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Transistor Specifications Manual

TRANSISTOR SPECIFICATIONS MANUAL

by
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Engineering Staff

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Preface

In the time since the first transistors were made available, the total number of types has increased tremendously. Many of these transistors are no longer on the market; many were produced with no type numbers and others by manufacturers no longer producing transistors. When these types are encountered in older equipment, it is usually difficult, if not impossible, to locate transistor specifications. There is one redeeming factor in all of this confusion: the fact that in most cases a transistor can be chosen to replace one of these obsolete types by estimating voltage, current, wattage, and frequency response and then selecting a transistor from the types available.

This manual contains three principal sections designed to provide a maximum of information about the transistor: a specifications section, a lead identification section, and an outlines section. The specification section is composed of the electrical data that will be required for most applications. These are voltage, power, current, and temperature limits that should not be exceeded, as well as polarity, leakage, gain, and frequency parameters that determine how the transistor will function in the circuit. The manufacturers of the transistor are listed to provide a market-source for the units and to act as a guide to obtain further information. Reference numbers are supplied in this section to key the transistor type to the associated Lead and Terminal Identification section and to the Outlines section.

The Lead and Terminal Identification section supplies the physical arrangement of the leads and identifies each as to whether it is collector, emitter, or base. The Outlines section contains drawings of the physical shape and includes all pertinent physical dimensions. This section is of considerable help in determining whether a transistor will fit into a desired physical area.

An interesting aspect of transistors is the wide range of physical sizes. Transistor sizes range from pin-head to golf-ball dimensions, and the wattage and current ratings do not always reflect this size. For example, there are transistors in TO-46 cases (0.23 inch in diameter, 0.09 inch high) that are rated at 5 watts. This, of course, assumes that the temperature of the case will be maintained at 25°C by means of a suitable heat sink. Among the types with higher ratings (up to 150 watts) are those in TO-82 cases (1.28 inches in diameter by 0.55 inch high).

For additional information about a particular section of this manual, refer to the introduction at the beginning of each section. Page numbers are listed on the Contents page.

In this specifications manual we have attempted to supply the essential electrical and physical data needed by anyone working with transistors.

Howard W. Sams

Contents

Transistor Type No.	N, G / P S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb} V_{ce} V_{eb}	Maximum I_c Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @ V_{cb}	Gain h_{fe} @ I_c
+ See Below										

- = Obsolete
N = NPN P = PNP
G = Germanium
S = Silicon

Typical value of current gain for common emitter configuration at current shown.

Current between collector and base with the emitter open, at voltage shown.

MA = milliamperes.
UA = microamperes.
NA = nanoamperes.

Key to Manufacturers Page 192.

M. P. - 2N224 = a matched pair of 2N224's.
SEE 2N_____ = Cross reference from an obsolete type to one with equal or higher specifications.

Frequency in megahertz. Transistor will operate at this frequency or higher.

B = f_{ab} (common base cutoff frequency)
E = f_{ae} (common emitter cutoff frequency)
G = f_t (gain-bandwidth product)
F = f_{osc} (maximum frequency of oscillation)

Numbers refer to Lead and Terminal Identification Page 182.

Abbreviations when type of service is indicated:

AUD = Audio
CON = Converter
HF = High Frequency
HS = High Speed
LS = Low to Medium Speed
MS = Medium Speed
SW = Switch
VID = Video

TO numbers refer to Registered Transistor Outlines Page 96.

Other numbers refer to Transistor Outlines Page 160.

Maximum operating temperature (°C)
A = Ambient
C = Case
J = Junction

Maximum voltages that cannot be exceeded without permanent damage to the transistor.

V_{CB} = Collector-to-base voltage with emitter open.

V_{CE} = Collector-to-emitter voltage (base open, if no subscript indicated.

R = Resistor between emitter and base.
S = Short between emitter and base.
X = B-E junction forward biased.

V_{EB} = Emitter-to-base reverse voltage with collector open.

Maximum power that can be dissipated at 25° C ambient for low-power types, or 25° case temperature for high-power types.

Maximum continuous collector current.

+ Type with same number but slightly different specifications (usually case style)

Transistor Type No.	N P / G S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{r,n}$	$V_{r,}$	$V_{p,n}$	Maximum $I_{}$	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{r,n,}$ @	$V_{r,n}$	Gain $h_{p,}$ @	I_{r}
2A	-P G	CLE	1	1A	50		50.0	.008A	.120W	50A	AUD	2MA	40V	3	
2B		SEE 2N52													
2C	-P G	CLE	11	1A	50		50.0	.008A	.120W	50A	2.000B	1MA	15V	3	
2D	-P G	CLE	1	1A	50		50.0	.008A	.120W	50A	2.000B	1MA	40V	3	
2E	-P G	CLE	1	1A	50		50.0	.008A	.120W	50A	AUD	1MA	40V	3	
2F	-P G	CLE	1	1A	50		50.0	.008A	.120W	50A	5.000B	1MA	15V	3	
2G	-P G	CLE	1	1A	50		50.0	.008A	.120W	50A	10.000B	1MA	15V	3	
2N34	P G	ETC	210	TO 5	40	25R		.100A	.150W	75J	.500B	50UA	40V	56	.001A
2N34+	-P G	RCA	10	TO 22	40	25		.100A	.150W	75J	.400G	50UA	40V	75	
2N34A	P G	ETC	210	TO 5	40	25R		.100A	.150W	75J	.600B	100UA	40V	66	.001A
2N35	N G	ETC	210	TO 5	40	25R		.100A	.150W	85J	1.000B	50UA	40V	56	.001A
2N35+	-N G	SYL	10	TO 22	40	25R	10.0	.100A	.180W	85J	.200G	50UA	40V	70	
2N36	P G	ETC	210	TO 5	20	20		.008A	.050W	75J	AUD	10UA	20V	50	.001A
2N36+	-P G	CBS	10	10E	20			.008A	.050W	50A	AUD			44	
2N37	P G	ETC	210	TO 5	20	20		.008A	.050W	75J	AUO	10UA	20V	30	
2N38	P G	ETC	210	TO 5	20	20		.008A	.050W	50J	AUO	10UA	20V	20	.001A
2N38+	-P G	CBS	10	10E	20			.008A	.050W	50A	AUO			16	
2N43	P G	ETC	210	TO 5	45	30R	5.0	.300A	.240W	85J	1.300B	16UA	45V	40	.020A
2N43+	P G	GEC	57	57B	45	30	5.0	.300A	.500W	85J	.500G	16UA	45V	44	
2N43A	P G	ETC	210	TO 5	45	30R	5.0	.300A	.240W	85J	1.300B	16UA	45V	40	.020A
2N43A+	P G	GEC	57	57B	45	30R	5.0	.300A	.240W	85J	1.300B	16UA	45V	40	.020A
2N44	P G	ETC	210	TO 5	45	30R	5.0	.300A	.240W	85J	1.000B	16UA	45V	30	.020A
2N44+	P G	GEC	57	57B	45	30	5.0	.300A	.150W	85J	.500B	16UA	45V	30	
2N44A	P G	ETC	210	TO 5	45	30R	5.0	.300A	.240W	85J	1.000B	15UA	45V	30	.020A
2N45	P G	ETC	210	TO 5	45	30	5.0	.010A	.150W	85J	1.000B	15UA	45V	16	.001A
2N45+	-P G	GEC	57	57B	45			.050A	.150W	100J	.500B	15UA	15V	15	
2N45A	P G	ETC	210	TO 5	45		5.0	.010A	.150W	85J	1.000B	15UA	45V	22	.001A
2N52	-P G	CLE	1	1A	50		50.0	.008A	.120W	50A	2.000B	2MA	40V	3	
2N59	P G	ETC	210	TO 5	25	20	10.0	.200A	.180W	85J	.900B	15UA	20V	90	
2N59A	P G	ETC	210	TO 5	40	20	10.0	.200A	.180W	85J	1.800B	15UA	20V	90	
2N59B	P G	ETC	210	TO 5	50	20	10.0	.200A	.180W	85J	1.800B	15UA	20V	90	
2N59C	P G	ETC	210	TO 5	60	20	10.0	.200A	.180W	85J	1.800B	15UA	20V	90	
2N60	P G	ETC	210	TO 5	25	20	10.0	.200A	.180W	85J	1.500B	15UA	20V	70	
2N60A	P G	ETC	210	TO 5	40	20	10.0	.200A	.180W	85J	1.500B	15UA	20V	70	
2N60B	P G	ETC	210	TO 5	50	20	10.0	.200A	.180W	85J	1.500B	15UA	20V	70	
2N60C	P G	ETC	210	TO 5	60	20	10.0	.200A	.180W	85J	1.500B	15UA	20V	70	
2N61	P G	ETC	210	TO 5	25	20	10.0	.200A	.180W	85J	1.000B	15UA	20V	50	
2N61A	P G	ETC	210	TO 5	40	20	10.0	.200A	.180W	85J	1.000B	15UA	20V	50	
2N61B	P G	ETC	210	TO 5	50	20	10.0	.200A	.180W	85J	1.000B	15UA	20V	50	
2N61C	P G	ETC	210	TO 5	60	20	10.0	.200A	.180W	85J	1.000B	15UA	20V	50	
2N63	P G	ETC	210	TO 5	25		6.0	.020A	.125W	85J	.500B	6UA	6V	22	.001A
2N63+	-P G	RAY	10	10A	22			.010A	.100W	85A	.600B	6UA	6V	22	
2N64	P G	ETC	210	TO 5	25		6.0	.020A	.125W	85J	.700B	6UA	6V	50	.001A
2N64+	-P G	RAY	10	10A	15			.010A	.100W	85A	.800B	6UA	6V	44	
2N65	P G	ETC	210	TO 5	25		6.0	.020A	.125W	85J	1.200B	6UA	6V	90	.001A
2N65+	-P G	RAY	10	10A	12			.010A	.100W	85A	1.200B	6UA	6V	90	
2N68	-P G	SYL	148	148A	30	15		1.500A	4.000W	75J		5MA	15V	40	
2N76	-P G	GEC	57	57B	20			.010A	.070W	60J	.500B	10UA	5V	30	
2N77	P G	ETC	210	TO 5	30		6.0	.035A	.085W	85J	.350B	10UA	12V	60	
2N78	N G	ETC	210	TO 5	15	15	5.0	.020A	.065W	85J	5.000B	3UA	15V	90	.001A
2N78+	N G	GEC	12	12A	15	15	5.0	.020A	.065W	85J	5.000B	3UA	15V	90	
2N78A	N G	ETC	210	TO 5	20	20	5.0	.020A	.065W	85J	5.000B	3UA	15V	90	.001A
2N78A+	N G	GEC	12	12B	20	20	5.0	.020A	.065W	85J	5.000B	3UA	15V	90	
2N83	P G	TEC	117	117A	66	60	12.0	2.000A	10.000W	85J	.350B	100UA	25V	18	
2N83A	P G	TEC	117	117A	66	60	12.0	3.000A	10.000W	85J	.400B	85UA	25V	18	
2N84	P G	TEC	117	117A	50	45	12.0	2.000A	10.000W	85J	.400B	110UA	25V	20	
2N84A	P G	TEC	117	117A	50	45	12.0	3.000A	10.000W	85J	.400B	95UA	25V	20	
2N94	N G	ETC	210	TO 5	20	20R	5.0	.100A	.150W	75J	2.000B	10UA	20V	10	.001A
2N94+	-N G	SYL	10	TO 22	20	20R	5.0	.100A	.150W	85J	2.000B			50	
2N94A	N G	ETC	210	TO 5	20	20R	5.0	.100A	.150W	75J	5.000B	3UA	10V	38	.001A
2N94A+	-N G	SYL	10	TO 22	20	20R	5.0	.100A	.150W	85J	5.000B			50	
2N95	-N G	SYL	148	148A	30	15		1.500A	4.000W	75J		5MA	15V	40	
2N97	N G	ETC	210	TO 5	30	30	2.5	.010A	.050W	75J	.500B	10UA	5V	14	
2N98	N G	ETC	210	TO 5	40	20	2.5	.010A	.050W	75J	.800B	10UA	5V	40	
2N99	N G	ETC	210	TO 5	40	20	5.5	.010A	.050W	75J	2.000B	10UA	5V	40	
2N101	-P G	SYL	148	148B	30	15		1.500A	4.000W	75J		5MA	15V	40	
2N101/13	-P G	SYL	430	TO 13	30	15		1.500A	4.000W	75J		5MA	15V	40	
2N102	-N G	SYL	148	148B	30	15		1.500A	4.000W	75J		5MA	15V	40	
2N102/13	-N G	SYL	430	TO 13	30	15		1.500A	4.000W	75J		5MA	15V	40	
2N103	N G	ETC	210	TO 5	35	35	2.5	.010A	.050W	75J	.750B	50UA	35V	10	
2N104	P G	ETC	210	TO 5	30		12.0	.050A	.150W	85J	.350B	10UA	12V	44	
2N104+	-P G	RCA	55	TO 40	30		12.0	.050A	.150W	70A	.700B	10UA	12V	44	
2N105	P G	ETC	210	TO 5	25			.050A	.060W	85J	.400B	7UA	12V	55	
2N106	P G	ETC	210	TO 5	10	6	2.0	.010A	.100W	85J	1.000B	12UA	6V	38	.001A
2N106+	-P G	RAY	10	10A	6			.010A	.100W	85A	.800B	12UA	2V	26	
2N107	P G	ETC	210	TO 5	15	6	2.0	.010A	.050W	60J	.300B	10UA	12V	30	
2N108	P G	ETC	210	TO 5	20	20		.015A	.050W	60J	AUD	10UA	20V	80	
2N109	P G	ETC	210	TO 5	25	25	12.0	.070A	.150W	85J	AUD	14UA	25V	80	.050A
2N109+	P G	RCA	55	TO 40	25	25	12.0	.070A	.150W	50A	.400B	10UA	25V	74	
2N111	P G	ETC	210	TO 5	15	6		.020A	.100W	85J	1.500B	5UA	6V	30	
2N111+	-P G	RAY	10	10A	30	15	20.0	.200A	.150W	85J	3.000B	5UA	12V	26	
2N111A	P G	ETC	210	TO 5	30	15	20.0	.200A	.150W	85J	3.000B	5UA	12V	30	
2N111B	-P G	ETC	210	TO 5	27		10.0	.005A	.030W	85J	20.000B	10UA	12V		
2N112	P G	ETC	210	TO 5	15	6		.020A	.100W	85J	3.000B	5UA	6V	30	
2N112+	-P G	RAY	10	10A	30	15	20.0	.200A	.150W	85J	5.000B	5UA	12V	30	
2N112A	P G	ETC	210	TO 5	30	15	20.0	.200A	.150W	85J	3.000B	5UA	12V	30	
2N113	P G	ETC	210	TO 5	15	6		.020A	.100W	85J	10.000B	5UA	12V	50	
2N113+	-P G	RAY	10	10A	30	10	20.0	.200A	.150W	85J	10.000B	5UA	12V	44	
2N114	P G	ETC	210	TO 5	15	6		.020A	.100W	85J	20.000B	5UA	6V	70	
2N114+	-P G	RAY	10	10A	30	10	20.0	.200A	.150W	85J	20.000B	5UA	12V	74	
2N117	N S	ETC	210	TO 5	30		1.0	.025A	.150W	175J	1.000B	10UA	30V	14	
2N117+	N S	TII,TEC,HUG	12	12C	45		1.0	.025A	.150W	175J	4.000B	2UA	30V	15	
2N118	N S	ETC	210	TO 5	30		1.0	.025A	.150W	175J	2.000B	10UA	30V	28	
2N118+	N S	TII,TEC,HUG	12	12C	45		1.0	.025A	.150W	175J	5.000B	2UA	30V	30	
2N118A	N S	ETC	210	TO 5	30		1.0	.025A	.150W	175J	8.000B	10UA	30V	42	
2N118A+	N S	TII,TEC,HUG	12	12C	45		1.0	.025A	.150W	175J	8.000B	2UA	30V	56	
2N119	N S	ETC	210	TO 5	30		1.0	.025A	.150W	175J	1.000B	10UA	30V	60	
2N119+	N S	TII,TEC,HUG	12	12C	45		1.0	.025A	.150W	175J	6.000B	2UA	30V	60	
2N120	N S	ETC	210	TO 5	30		1.0	.025A	.150W	175J	1.000B	10UA	30V	160	
2N120+	N S	TII,TEC,HUG	12	12C	45		1.0	.025A	.150W	175J	.700B	2UA	30V	10	
2N122	N S	TII	743	743A	120		1.0	.140A	8.750W	150J	AUD	100UA	120V	20	
2N123	P G	ETC	210	TO 5	20	15	10.0	.125A	.125W	85J	5.000B	6UA	20V	90	.010A
2N123+	-P G	GEC	57	57B	20	15	10.0	.125A	.150W	85J	5.000B	6UA	20V	90	
2N123/5	-P G	SYL	210	TO 5	20	15	10.0	.125A	.150W	85J	5.000B	6UA	20V	90	
2N123A	P G	ETC	210	TO 5	20	15	10.0	.125A	.150W	85J	5.000B	6UA	20V	90	
2N124	N G	ETC	210	TO 5	10	10	5.0	.025A	.050W	75J	3.000B	2UA	5V	18	
2N124+	-N G	TII	10	10B	10		5.0	.008A	.050W	75J	3.000B	2UA	5V	18	
2N125	N G	ETC	210	TO 5	10	10	5.0	.025A	.050W	175J	5.000B	10UA	40V	36	.005A
2N125+	-N G	TII	10	10B	10		5.0	.008A	.050W	75J	5.000B	2UA	5V	36	

Transistor Type No.	N, G / P, S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N126	N G	ETC	210	TO 5	10	10	5.0	.025A	.050W	175J	5.000B	10UA	40V	73	.005A
2N126+	-N G	TII	10	10B	10		5.0	.008A	.050W	75J	5.000B	2UA	5V	70	
2N128	P G	SPR,HUG	116	TO 24	10	4	10.0	.005A	.025W	85J	28.000G	15UA	10V	40	
2N129	-P G	PHL	105	TO 24	10	4	10.0	.005A	.030W	85J	30.000F	3UA	5V	14	
2N130	P G	ETC	210	TO 5	25	22	12.0	.010A	.085W	85J	.700B	12UA	15V	24	
2N130+	-P G	RAY	5	5A	44			.010A	.084W	85J	.600B	6UA	6V	22	
2N130A	P G	ETC	210	TO 5	25	22	12.0	.100A	.100W	85J	.700B	15UA	20V	30	
2N131	P G	ETC	210	TO 5	25	15	12.0	.010A	.085W	85J	.800B	12UA	15V	50	
2N131+	-P G	RAY	5	5A	30			.010A	.084W	85J	.800B	6UA	6V	44	
2N131A	P G	ETC	210	TO 5	25	15	12.0	.100A	.100W	85J	.800B	15UA	20V	50	
2N132	P G	ETC	210	TO 5	25	12	12.0	.010A	.085W	85J	1.000B	12UA	15V	90	
2N132+	-P G	RAY	5	5A	24			.010A	.084W	85J	1.200B	6UA	6V	90	
2N132A	P G	ETC	210	TO 5	25	12	12.0	.100A	.100W	85J	1.000B	15UA	20V	90	
2N133	P G	ETC	210	TO 5	25	15	12.0	.010A	.085W	85J	.800B	12UA	15V	50	
2N133+	-P G	RAY	5	5A	30			.010A	.084W	85J	.800B	12UA	2V	24	
2N133A	P G	ETC	210	TO 5	25	15	12.0	.100A	.100W	85J	.800B	15UA	20V	50	
2N135	P G	ETC	210	TO 5	20	20R		.050A	.100W	85J	3.000B	5UA	6V	20	
2N135+	-P G	GEC	57	57B	20	12		.050A	.100W	85J	3.000B	5UA	6V	20	
2N136	P G	ETC	210	TO 5	20	20R		.050A	.100W	85J	5.000B	5UA	6V	40	
2N136+	-P G	GEC	57	57B	20	12		.050A	.100W	85J	5.000B	5UA	6V	40	
2N137	P G	ETC	210	TO 5	10	10R		.050A	.100W	85J	7.000B	5UA	6V	45	
2N137+	-P G	GEC	57	57B	10	6		.050A	.100W	85J	7.000B	5UA	6V	60	
2N138	P G	ETC	210	TO 5	24	12	5.0	.020A	.050W	50J	AUD	16UA	16V	140	
2N138A	-P G	RAY	5	5A	12	6		.100A	.150W	85J	1.400B	6UA	12V	40	
2N139	P G	ETC	210	TO 5	16	16	12.0	.015A	.035W	85J	4.500B	6UA	12V	48	
2N139+	-P G	RCA	55	TO 40	16		12.0	.025A	.035W	70A	4.500B			60	
2N140	P G	ETC	210	TO 5	16	16	.5	.015A	.080W	85J	8.000B	6UA	12V	80	
2N140+	P G	RCA	55	TO 40	16		12.0	.015A	.035W	70A	7.000B			60	
2N141	-P G	SYL	148	148A	60	60	30.0	.800A	4.000W	75C	10.000B	5MA	30V	30	
2N142	-N G	SYL	148	148A	60	60	30.0	.800A	4.000W	75C	.400B	5MA	30V	30	
2N143	-P G	SYL	148	148B	60	60	30.0	.800A	4.000W	75C	.400B	5MA	30V	30	
2N144	-N G	SYL	148	148B	60	60	30.0	.800A	4.000W	75C	.400B	5MA	30V	30	
2N144/13	-N G	SYL	430	TO 13	60	60	30.0	.800A	4.000W	75J	.400B	5MA	30V	30	
2N145	N G	ETC	210	TO 5	20	15	.5	.025A	.065W	75J	8.000B	3UA	9V	60	
2N145+	-N G	TII	10	10B	20			.005A	.065W	75J	AM IF	3UA	9V		
2N146	N G	ETC	210	TO 5	20	15	.5	.025A	.065W	75J	12.000B	3UA	9V	140	
2N146+	-N G	TII	10	10B	20			.005A	.065W	75J	AM IF	3UA	9V		
2N147	N G	ETC	210	TO 5	20	15	.5	.025A	.065W	75J	15.000B	3UA	9V	200	
2N147+	-N G	TII	10	10B	20			.005A	.065W	75J	AM IF	3UA	9V		
2N148	-N G	TII	10	10B	16			.005A	.065W	75J	AM IF	3UA	12V		
2N148A	-N G	TII	10	10B	32			.005A	.065W	75J	AM IF	3UA	12V		
2N149	-N G	TII	10	10B	16			.005A	.065W	75J	AM IF	3UA	12V		
2N149A	-N G	TII	10	10B	32			.005A	.065W	75J	AM IF	3UA	12V		
2N150	-N G	TII	10	10B	16			.005A	.065W	75J	AM IF	3UA	12V		
2N150A	-N G	TII	10	10B	32			.005A	.065W	75J	AM IF	3UA	12V		
2N155	P G	BEN,HUG	605	TO 3	30	30S	15.0	3.000A	50.000W	100J	.006E	10MA	30V	48	.500A
2N156	P G	HUG	426	TO 13	30	30	15.0	3.000A	20.000W	85J	.200G	10MA	30V	50	
2N157	-P G	CBS	605	TO 3	60		30.0	3.000A	20.000W	85J	.100B	1MA	60V	20	
2N157A	-P G	CBS	605	TO 3	90		30.0	3.000A	20.000W	85J	.100B	1MA	90V	20	
2N158	P G	HUG	426	TO 13	60	60	30.0	3.000A	20.000W	85J	.004E	10MA	60V	40	
2N158A	P G	HUG	426	TO 13	80	60	30.0	3.000A	20.000W	85J	.004E	10MA	80V	40	
2N160	N S	ETC	10	TO 22	40		1.0	.025A	.150W	175J	4.000B	10UA	40V	14	.001A
2N160A	N S	ETC	10	TO 22	40		5.0	.025A	.150W	175J	4.000B	10UA	40V	14	
2N161	N S	ETC	10	TO 22	40		1.0	.025A	.150W	175J	5.000B	10UA	40V	28	.001A
2N161A	N S	ETC	10	TO 22	40		5.0	.025A	.150W	175J	5.000B	10UA	40V	28	.001A
2N162	N S	ETC	10	TO 22	40		1.0	.025A	.150W	175J	8.000B	10UA	40V	50	.001A
2N162A	N S	ETC	10	TO 22	40		5.0	.025A	.150W	175J	8.000B	10UA	40V	50	.001A
2N163	N S	ETC	10	TO 22	40		1.0	.025A	.150W	175J	6.006B	10UA	40V	50	.001A
2N163A	N S	ETC	10	TO 22	40		5.0	.025A	.150W	175J	3.000B	10UA	40V	50	.001A
2N164	N G	ETC	210	TO 5	15	15	1.0	.030A	.065W	85J	4.000B	5UA	15V	45	
2N164A	N G	ETC	210	TO 5	15	15	1.0	.030A	.100W	85J	4.000G	5UA	15V	45	
2N165	N G	ETC	210	TO 5	15	15	1.0	.020A	.065W	85C	5.000B	5UA	15V	70	
2N166	N G	ETC	210	TO 5	10	6	1.0	.030A	.055W	50J	2.000B	2UA	15V	32	
2N167	N G	GEC	12	12A	30	30	5.0	.075A	.075W	85A	5.000B	2UA	15V	50	
2N167A	N G	GEC	12	12A	30	30	5.0	.075A	.075W	85A	5.000B	2UA	15V	50	
2N168	N G	ETC	210	TO 5	15	15R		.020A	.065W	85J	5.000B	5UA	15V	90	.001A
2N168+	-N G	GEC	12	12B	15	15		.020A	.055W	75A	6.000B	5UA	15V	20	
2N168A	N G	ETC	210	TO 5	15	15R		.020A	.065W	85J	5.000B	5UA	15V	90	.001A
2N168A+	-N G	GEC	12	12B	15	15		.020A	.065W	85A	5.000B	5UA	15V	40	
2N169	N G	ETC	210	TO 5	15	15R	5.0	.020A	.065W	85J	8.000B	5UA	15V	48	.001A
2N169+	N G	GEC	12	12B	15	15		.020A	.055W	75A	4.000B	5UA	15V	40	
2N169A	N G	ETC	210	TO 5	25	25R	5.0	.020A	.065W	85J	9.000B	5UA	15V	84	.001A
2N169A+	N G	GEC	12	12A	25	25	5.0	.025A	.075W	85A	9.000B	5UA	15V	50	
2N170	N G	ETC	210	TO 5	10	9R		.020A	.025W	85J	4.000B	3UA	5V	30	
2N172	N G	ETC	210	TO 5	16	15R	1.0	.025A	.075W	75J	3.000B	3UA	9V	40	
2N172+	-N G	TII	10	10B	16			.005A	.065W	75J	AM CON	3UA	9V		
2N173	P G	RCA,DEL,MOT,ETC,SOL,HUG	405	TO 36	60	50	40.0	15.000A	150.000W	100C	.010E	100UA	2V	40	
2N174	P G	DEL,MOT,ETC,SOL,HUG	405	TO 36	80	55	60.0	15.000A	150.000W	100C	.010E	100UA	2V	36	
2N174A	P G	ETC,DEL,MOT	405	TO 36	80	70S	60.0	15.000A	170.000W	100J	.100B	4MA	80V	60	1.200A
2N175	P G	ETC	210	TO 5	25		12.0	.002A	.050W	85J	.850B	12UA	25V	65	
2N175+	P G	RCA	55	TO 40	10	10		.002A	.020W	50A	.850B	12UA	25V	64	
2N176	P G	MOT,RCA,BEN,ETC,HUG	605	TO 3	40	30S		3.000A	10.000W	90J	.005E	3MA	30V	64	
2N178	P G	MOT,ETC	605	TO 3	40	30S		3.000A	10.000W	90J	.005E	3MA	30V	30	
2N180	P G	ETC	210	TO 5	30	30		.025A	.150W	75J	.700B	10UA	30V	60	
2N180+	-P G	CBS	35	35C	30		30.0		.150W	75J	.700B	10UA	30V	60	
2N181	P G	ETC	210	TO 5	30	30		.038A	.250W	75J	.700B	16UA	25V	60	
2N181+	-P G	CBS	35	35D	30		30.0		.250W	75J	.700B	10UA	30V	60	
2N182	N G	ETC	210	TO 5	25		15.0	.010A	.100W	85J	10.000B	3UA	10V	30	
2N182+	-N G	CBS	35	35C	25		20.0		.100W	75J	2.500B	3UA	10V	25	
2N183	N G	ETC	210	TO 5	25		15.0	.010A	.100W	85J	10.000B	3UA	10V	45	
2N183+	-N G	CBS	35	35C	25		20.0		.100W	75J	5.000B	3UA	10V	50	
2N184	N G	ETC	210	TO 5	25		15.0	.010A	.100W	85J	10.000B	5UA	10V	100	
2N184+	-N G	CBS	35	35C	25		20.0		.100W	75J	10.000B	3UA	10V		
2N185	P G	ETC	210	TO 5	20	20	10.0	.150A	.150W	75J	AUD	15UA	20V	70	
2N185+	-P G	TII	10	10B	20			.150A	.150W	50A	AUD	15UA	20V		
2N186	P G	ETC	210	TO 5	25	25R	5.0	.200A	.100W	85J	.800B	16UA	25V	24	.100A
2N186+	-P G	GEC	57	57B	25	25R	5.0	.200A	.075W	60A	.800B	16UA	25V	24	
2N186A	P G	ETC	210	TO 5	25	25R	5.0	.200A	.200W	85J	.800B	16UA	25V	24	.100A
2N186A+	P G	GEC	57	57B	25	25R	5.0	.200A	.180W	60A	.800B	16UA	25V	24	
2N187	P G	ETC	210	TO 5	25	25R	5.0	.200A	.100W	85J	1.000B	16UA	25V	36	.100A
2N187+	-P G	GEC	57	57B	25	25R	5.0	.200A	.075W	60A	1.000B	16UA	25V	36	
2N187A	P G	ETC	210	TO 5	25	25R	5.0	.200A	.200W	85J	1.000B	16UA	25V	36	.100A
2N187A+	P G	GEC	57	57B	25	25R	5.0	.200A	.180W	60A	1.000B	16UA	25V	36	
2N188	P G	ETC	210	TO 5	25	25R	5.0	.200A	.100W	85J	1.200B	16UA	25V	50	.020A
2N188+	-P G	GEC	57	57B	25	25R	5.0	.200A	.075W	60A	1.200B	16UA	25V	54	
2N188A	P G	ETC	210	TO 5	25	25R	5.0	.200A	.200W	85J	1.200B	16UA	25V	50	.020A
2N188A+	P G	GEC	57	57B	25	25R	5.0	.200A	.180W	60A	1.200B	16UA	25V	54	
2N189	P G	ETC	210	TO 5	25	25R		.050A	.075W	60J	.800B	16UA	25V	36	.020A
2N189+	P G	GEC	57	57B	25	25R		.050A	.175W	60A	.800B	16UA	25V	24	

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T_J(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
2N190	P	G	ETC	210	TO 5	25	25R		.050A	.075W	60J	1.000B	16UA	25V	50	.020A
2N190+	P	G	GEC	57	57B	25	25R		.050A	.175W	60A	1.000B	16UA	25V	36	
2N191	P	G	ETC	210	TO 5	25	25R		.050A	.075W	60J	1.200B	16UA	25V	80	.020A
2N191+	P	G	GEC	57	57B	25	25R		.050A	.175W	60A	1.200B	16UA	25V	54	
2N192	P	G	ETC	210	TO 5	25	25R		.050A	.075W	60J	1.500B	16UA	25V	114	.020A
2N192+	P	G	GEC	57	57B	25	25R		.050A	.175W	60A	1.500B	16UA	25V	74	
2N193	N	G	ETC	210	TO 5	18	18R	5.0	.100A	.150W	85J	2.000B	30UA	18V	8	
2N193+	-N	G	SYL	10	TO 22	18	18	5.0	.100A	.150W	85J	2.000B	30UA	18V	10	
2N194	N	G	ETC	210	TO 5	18	18R	.5	.100A	.150W	85J	2.000B	50UA	18V	10	
2N194+	-N	G	SYL	10	TO 22	25	25R		.100A	.050W	75J	2.000B	40UA	15V	10	
2N194A	N	G	ETC	210	TO 5	18	18R	5.0	.100A	.150W	85J	2.000B	30UA	18V	10	
2N194A+	-N	G	SYL	10	TO 22	18	18	5.0	.100A	.150W	85J	2.000B	30UA	18V	10	
2N195	P	G	TEC	172	172D	15	12	6.0	.030A	.100W	75J	1.000B	10UA	12V	180	
2N196	P	G	TEC	172	172D	30	25	6.0	.030A	.100W	85J	.800B	101A	12V	50	
2N197	P	G	TEC	172	172D	30	25	6.0	.030A	.100W	85J	.700B	101A	12V	40	
2N198	P	G	TEC	172	172D	30	25	6.0	.030A	.100W	85J	.600B	101A	12V	30	
2N199	P	G	TEC	172	172D	30	25	6.0	.030A	.100W	85J	.500B	10UA	12V	15	
2N200	P	G	TEC	172	172D	36	30	12.0	.100A	.100W	85J	.400B	4UA	12V	30	
2N204	P	G	TEC	172	172D	36	30	12.0	.100A	.100W	85J	.400B	4UA	12V	15	
2N205	P	G	TEC	172	172D	36	30	12.0	.100A	.100W	85J	.400B	4UA	12V	15	
2N206	P	G	ETC	210	TO 5	30	30	12.0	.050A	.075W	85J	.800B	10UA	30V	50	
2N207	P	G	ETC	210	TO 5	12	12	12.0	.020A	.050W	65J	2.000B	15UA	12V	50	
2N207A	P	G	ETC	210	TO 5	12	12	12.0	.020A	.050W	65J	2.000B	10UA	12V	50	
2N207B	P	G	ETC	210	TO 5	12	12	12.0	.020A	.050W	65J	2.000B	10UA	12V	50	
2N207B+	-P	G	PHL	116	TO 23	12			.020A	.050W	65J	2.000B	10UA	12V	35	
2N211	N	G	ETC	210	TO 5	10	10	.5	.050A	.050W	75J	2.000B	20UA	10V	10	
2N211+	-N	G	SYL	10	TO 22	10	10		.100A	.050W	75J	2.000B	20UA	10V	10	
2N212	N	G	ETC	210	TO 5	18	18R	5.0	.100A	.150W	85J	4.000B	30UA	18V	18	
2N212+	-N	G	SYL	10	TO 22	18	18	5.0	.100A	.150W	85J	4.000B	30UA	40V	10	
2N213	N	G	ETC	210	TO 5	40	25R	10.0	.100A	.180W	85J	.010E	100UA	25V	140	
2N213+	-N	G	SYL	10	TO 22	40	25R	10.0	.100A	.180W	85J	.700G	50UA	18V	150	
2N213A	N	G	ETC	210	TO 5	40	25R	10.0	.100A	.180W	85J	.010E	100UA	25V	160	
2N213A+	-N	G	SYL	10	TO 22	40	25R	10.0	.100A	.180W	85J	1.000G	50UA	40V	170	
2N214	N	G	ETC	210	TO 5	40	25R	10.0	.100A	.180W	85J	.010B	50UA	40V	75	.035A
2N214+	-N	G	SYL	10	TO 22	40	25R	10.0	.100A	.180W	85J	.500G	50UA	40V	176	
2N215	P	G	ETC	210	TO 5	30	12	12.0	.050A	.150W	85J	.700B	10UA	12V	44	
2N215+	P	G	RCA	120	TO 1	30		12.0	.050A	.150W	70A	.700B	10UA	12V	44	
2N216	N	G	ETC	210	TO 5	18	18R	1.0	.050A	.050W	75J	2.000B	50UA	18V	40	.001A
2N216+	-N	G	SYL	10	TO 22	15				.050W	75J	2.000B	40UA	15V	40	
2N217	P	G	ETC	210	TO 5	25	25	12.0	.070A	.150W	85J	AUD	14UA	25V	75	.050A
2N217+	P	G	RCA	120	TO 1	25	25	12.0	.070A	.150W	71A	AUD	14UA	25V	76	
2N218	P	G	ETC	210	TO 5	16	16	12.0	.015A	.035W	85J	4.500B	6UA	12V	48	
2N218+	-P	G	RCA	120	TO 1	16		12.0	.015A	.035W	70A	7.000B	6UA	12V	50	
2N219	P	G	ETC	210	TO 5	16	16	.5	.015A	.080W	85J	8.000B	6UA	12V	75	
2N219+	-P	G	RCA	120	TO 1	16		12.0	.015A	.035W	70A	7.000B	6UA	12V	50	
2N220	P	G	ETC	210	TO 5	25		12.0	.002A	.050W	85J	.850B	12UA	25V	65	
2N220+	P	G	RCA	120	TO 1	10	10		.002A	.020W	50A	.850B	12UA	25V	64	
2N223	P	G	ETC	210	TO 5		18		.150A	.250W	75J	.600B	20UA	9V	110	
2N223+	-P	G	PHL	116	TO 25	18			.060A	.200W	65J	.600B	20UA	9V	80	
2N224	P	G	ETC	210	TO 5	25			.150A	.250W	75J	.510B	25UA	12V	90	.100A
2N224+	-P	G	PHL	106	TO 25	25			.150A	.120W	65A	.510B	25UA	12V	70	
2N225			M.P.2N224													
2N226	P	G	ETC	210	TO 5	30			.150A	.250W	75J	.400B	25UA	30V	60	.100A
2N226+	-P	G	PHL	106	TO 25	25			.150A	.120W	65A	.400B	25UA	12V	60	
2N227			M.P.2N226													
2N228	N	G	ETC	210	TO 5	40	15R	10.0	.100A	.150W	85J	.010E	4A	40V	80	
2N228+	-N	G	SYL	10	TO 22	40	15R	10.0	.100A	.180W	85J	.600G	100UA	40V	70	
2N229	N	G	ETC	210	TO 5	10	10R	10.0	.100A	.180W	85J	.600B	100UA	10V	50	
2N229+	-N	G	SYL	10	TO 22	10	10R	20.0	.100A	.180W	85J	.600B	100UA	10V	60	
2N231	P	G	SPR,HUG	116	TO 24	5	5S		.003A	.009W	85J	LS SW	3UA	5V	36	.001A
2N233	N	G	ETC	210	TO 5	10	10R	5.0	.100A	.150W	85J	2.000B	10UA	10V	10	
2N233+	-N	G	SYL	10	TO 22	10	10R	5.0	.100A	.150W	85J	2.000B	50UA	10V	20	
2N233A	N	G	ETC	210	TO 5	18	18R	5.0	.100A	.150W	85J	2.000B	10UA	18V	10	
2N233A+	-N	G	SYL	10	TO 22	18	18R	5.0	.100A	.150W	85J	2.000B	30UA	18V	24	
2N234A	P	G	BEN,ETC,HUG	605	TO 3	25	25R	15.0	3.000A	25.000W	90J	.008E	5MA	25V	40	
2N235A	P	G	BEN,ETC,HUG	605	TO 3	35		15.0	3.000A	25.000W	90J	.007E	1MA	25V	56	1.000A
2N235B	P	G	BEN,ETC,HUG	605	TO 3	35		15.0	3.000A	25.000W	90J	.007E	1MA	25V	56	1.000A
2N236A	P	G	BEN,ETC,HUG	605	TO 3	35		15.0	3.000A	25.000W	100J	.006E	1MA	25V	55	2.000A
2N236B	P	G	BEN,ETC,HUG	605	TO 3	35		15.0	3.000A	25.000W	100J	.006E	1MA	25V	55	2.000A
2N237	P	G	ETC	210	TO 5	45	15	5.0	.020A	.150W	85J	.500B	10UA	45V	48	
2N238	-P	G	TII	10	10B	20				.050W	60A	AUD	20UA	20V	50	
2N240	P	G	SPR,HUG	116	TO 24	6	6S	5.0	.015A	.030W	85J	25.000G	3UA	5V	30	
2N241	P	G	ETC	210	TO 5	25	25R	5.0	.200A	.100W	60J	1.300B	16UA	25V	80	.020A
2N241+	-P	G	GEC	57	57B	25	25R	5.0	.200A	.100W	60A	1.300B	16UA	25V	70	
2N241A	P	G	ETC	210	TO 5	25	25R	5.0	.200A	.200W	75J	1.300B	16UA	25V	80	.020A
2N241A+	P	G	GEC	57	57B	25	25R	5.0	.200A	.200W	75A	1.300B	16UA	25V	70	
2N242	P	G	MOT,BEN,ETC,HUG	605	TO 3	45	45R	10.0	5.000A	106.000W	110J	.005E	5MA	45V	60	.500A
2N243	N	S	TII,ETC,TEC,HUG	10	TO 22	60			.060A	.750W	150J	AUD	1UA	30V	15	
2N244	N	S	TII,ETC,TEC,HUG	10	TO 22	60			.060A	.750W	150J	AUD	1UA	30V	50	
2N245	-N	S	TII	185	185A	60			.060A	1.000W	150J	AUD	1UA	30V	15	
2N246	-N	S	TII	185	185A	60			.060A	1.000W	150J	AUD	1UA	30V	50	
2N247	-P	G	RCA	75	TO 7	35		1.0	.010A	.035W	71A	130.000G	16UA	30V	65	
2N247/33	-P	G	SYL	217	TO 33	40	40	.5	.010A	.120W	100J	20.000G	50UA	40V	80	
2N248	-P	G	TII	10	10B	25			.005A	.030W	75A	50.000B	10UA	12V	20	
2N249	P	G	ETC	210	TO 5	25	25		.200A	.250W	85J	AUD	25UA	25V	30	
2N249+	-P	G	TII	171	171A	25			.200A	.350W	60A	AUD	25UA	25V	50	
2N250	P	G	BEN,ETC,HUG	605	TO 3	30		15.0	2.000A	12.000W	85J	.008E	1UA	30V	90	
2N250A	P	G	TII,BEN,ETC,HUG	605	TO 3	40	25	20.0	7.000A	90.000W	100J	.160G	1MA	30V	60	3.000A
2N251	P	G	BEN,ETC,HUG	605	TO 3	60		15.0	2.000A	12.000W	85A	.008E	2UA	60V	60	.500A
2N251A	P	G	TII,BEN,ETC,HUG	605	TO 3	60	35	20.0	7.000A	90.000W	100J	.160G	2MA	60V	60	3.000A
2N252	P	G	ETC	210	TO 5		16		.005A	.030W	55J	AM RF	10UA	12V	30	
2N252+	-P	G	TII	10	10B	16			.005A	.030W	75J	5.000G	10UA	12V		
2N253	N	G	ETC	210	TO 5	12	12		.050A	.100W	75J	2.500B	3UA	9V	40	
2N253+	-N	G	TII	10	10B	12			.005A	.065W	75J	5.000G	13UA	9V		
2N254	N	G	ETC	210	TO 5	20	20		.005A	.065W	75J	3.000B	10UA	12V	20	
2N254+	-N	G	TII	10	10B	20			.005A	.065W	75J	5.000G	3UA	9V		
2N255	P	G	BEN,HUG	605	TO 3	15		15.0	3.000A	25.000W	85J	.200B	3MA	14V	40	.500A
2N255A	P	G	OEL,BEN,HUG	605	TO 3	15	15R	15.0	5.000A	20.000W	100J	.005E	5MA	15V	36	.400A
2N256	P	G	BEN,HUG	605	TO 3	30	30R	30.0	3.000A	25.000W	100J	.005E	3MA	30V	15	.500A
2N256A	P	G	BEN,HUG	605	TO 3	25	25R	15.0	4.000A	20.000W	100J	.005E	5MA	25V	36	.400A
2N257	P	G	BEN,ETC,HUG	605	TO 3	40	35S	6.0	3.000A	25.000W	95J	.005E	2MA	20V	20	.400A
2N257-BLK	P	G	ETC	605	TO 3	40	35S	20.0	3.000A	45.000W	95J		2MA	20V	88	.500A
2N257-GRN	P	G	ETC	605	TO 3	40	35S	20.0	3.000A	45.000W	95J		2MA	20V	60	.500A
2N257-WHT	P	G	ETC	605	TO 3	40	35S	20.0	3.000A	45.000W	95J		2MA	20V	150	.500A
2N264	N	S	HUG	10	10B	45	30	1.0	.020A	.125W	150C	10.000B	1UA	20V	34	.010A
2N265	P	G	ETC	210	TO 5	25	25R		.050A	.075W	60J	1.500B	16UA	25V	144	.020A
2N265+	-P	G	GEC	57	57B	25	25R		.050A	.075W	60A	1.500B	16UA	25V	140	
2N268	P	G	BEN,ETC,HUG	605	TO 3	80	60R	6.0	3.000A	45.000W	95J	.006E	2MA	80V	45	2.000A
2N268A	P	G	BEN,ETC,HUG	605	TO 3	80		6.0	3.000A	35.000W	100J	.006E	2MA	80V	40	2.000A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N269	P	G	ETC	210	TO 5	25	24	12.0	.100A	.120W	85J	4.000B	5UA	12V	45	.012A
2N269+	-P	G	RCA	120	TO 1	25	24	12.0	.100A	.120W	85J	13.000B	5UA	12V	50	
2N270	P	G	ETC	210	TO 5	25	12	12.0	.150A	.250W	85J	AUO	16UA	25V	70	.150A
2N270+	P	G	RCA	55	55B	25		12.0	.075A	.250W	71A	AUO	16UA	25V	70	
2N271	P	G	ETC	210	TO 5		10		.200A	.150W	85J	5.000B	5UA	12V	50	
2N271+	-P	G	RAY	10	10A	30	10	20.0	.200A	.150W	85J	1.000B	5UA	12V	44	
2N271A	P	G	ETC	210	TO 5		10		.200A	.150W	850J	5.000B	5UA	12V	50	
2N272	P	G	ETC	210	TO 5		24		.100A	.150W	85J	.500B	10UA	20V	120	
2N272+	-P	G	RAY	10	10A	24	24		.100A	.150W	85J	1.000B	6UA	20V	80	
2N273	P	G	ETC	210	TO 5		30		.100A	.150W	85J	AUO	10UA	20V	20	
2N273+	-P	G	RAY	10	10A	20	9		.100A	.240W	85J	AUO	6UA	20V	40	
2N274	P	G	RCA	128	TO 44	35		.5	.010A	.120W	100A	30.000B	12UA	12V	80	
2N277	P	G	DEL,MOT,RCA,ETC,SOL,HUG	405	TO 36	40	25	20.0	15.000A	150.000W	100C	.010E	100UA	2V	50	
2N278	P	G	DEL,MOT,RCA,ETC,SOL,HUG	405	TO 36	50	30	30.0	15.000A	150.000W	100C	.010E	100UA	2V	50	
2N279	P	G	ETC	210	TO 5	20	20R	.5	.075A	.125W	75J	.300B	10UA	4V	30	
2N280	P	G	ETC	210	TO 5	20	20R	.5	.075A	.125W	75J	.300B	10UA	4V	50	
2N281	P	G	ETC	210	TO 5	16	16R	10.0	.075A	.125W	75J	.350B	10UA	10V	52	.080A
2N282			M.P.2N281													
2N283	P	G	ETC	210	TO 5	30	20	10.0	.050A	.125W	75J	.500B	9UA	30V	44	.001A
2N284	P	G	ETC	210	TO 5	32	32R	10.0	.125A	.125W	75J	.350B	10UA	10V	45	.080A
2N284A	P	G	ETC	210	TO 5	60	55R	10.0	.125A	.125W	75J	.350B	10UA	10V	45	.080A
2N285A	P	G	BEN,ETC,HUG	605	TO 3	35		15.0	3.000A	25.000W	100J	.006E	1MA	25V	35	1.000A
2N285B	P	G	BEN,HUG	605	TO 3	35		15.0	3.000A	25.000W	100J	.006E	80UA	15V	80	.420A
2N291	P	G	ETC	210	TO 5	25	12		.200A	.180W	50J	AUO	25UA	25V	60	
2N291+	-P	G	GEC	10	100	25			.200A	.300W	65J	AUO	25UA	25V	44	
2N292	N	G	ETC	210	TO 5	15	15R	.5	.020A	.065W	85J	5.000B	5UA	15V	21	.001A
2N292+	-N	G	GEC	12	12A	15	15		.020A	.065W	85A	5.000B	5UA	15V	25	
2N292A	N	G	ETC	210	TO 5	15	15R	.5	.020A	.100W	85J	5.000B	5UA	15V	21	.001A
2N293	N	G	ETC	210	TO 5	15	15R		.020A	.065W	85J	4.000B	5UA	15V	38	
2N293+	-N	G	GEC	12	12A	15	15		.020A	.065W	85A	8.000B	5UA	15V	25	
2N296	N	S	BEN,HUG	605	TO 3	60		15.0	2.000A	20.000W	100J	.006E	2MA	60V	38	1.000A
2N297	P	G	ETC,HUG	605	TO 3	60	50S	9.0	5.000A	45.000W	95J	.005E	5MA	60V	22	2.000A
2N297A	P	G	BEN,MOT,ETC,HUG	605	TO 3	60	40	40.0	4.000A	35.000W	100J	.005E	200UA	2V	70	.500A
2N299	-P	G	PHL	124	TO 30	5			.005A	.020W	85J	90.000F	3UA	5V	10	
2N300	-P	G	PHL	124	TO 30	5			.005A	.020W	85J	85.000F	3UA	5V	20	
2N301	P	G	BEN,OEL,MOT,ETC,SOL,HUG	605	TO 3	40	32	10.0	3.000A	45.000W	95J	.006E	3MA	30V	60	.700A
2N301A	P	G	OEL,SOL,BEN,ETC,HUG	605	TO 3	60	32	10.0	3.000A	45.000W	95J	.006E	3MA	30V	60	.700A
2N302	P	G	ETC	210	TO 5	15	10	2.0	.200A	.150W	85J	7.000B	6UA	10V	50	.001A
2N303	P	G	ETC	210	TO 5	15	10	2.0	.200A	.150W	85J	14.000B	6UA	10V	80	.001A
2N306	N	G	ETC	210	TO 5	20	15R	10.0	.100A	.180W	85J	.600B	25UA	20V	46	
2N306+	-N	G	SYL	10	TO 22	20	15R	10.0		.180W	85J	.600B	20UA	20V	74	
2N307	P	G	MOT,BEN,ETC,HUG	605	TO 3	35	35	10.0	5.000A	106.000W	110J	.005E	15MA	35V	40	.200A
2N307A	P	G	MOT,BEN,ETC,HUG	605	TO 3	35	35	10.0	5.000A	106.000W	110J	.005E	7MA	35V	60	.200A
2N307B	-P	G	SYL	605	TO 3	35	35		2.000A	16.000W	75J	.005E	5MA	35V	50	
2N308	P	G	ETC	210	TO 5	20	20		.005A	.030W	55J	AM IF	10UA	9V	30	
2N308+	-P	G	TII	10	10B	20	20		.005A	.030W	55A	AM IF	10UA	9V		
2N309	P	G	ETC	210	TO 5	20	20		.005A	.030W	10J	AM IF	9UA		30	
2N309+	-P	G	TII	10	10B	20	20		.005A	.030W	55A	AM IF	10UA	9V		
2N310	P	G	ETC	210	TO 5	20	30		.005A	.030W	10J	AM IF	9UA		50	
2N310+	-P	G	TII	10	10B	20	30		.005A	.030W	55A	AM IF	10UA	9V		
2N311	P	G	ETC	210	TO 5	15	15	15.0	.005A	.150W	85J	AUO	15UA	15V	50	
2N312	N	G	ETC	210	TO 5	15	15	6.0		.100W	85J	LS SW	15UA	25V	50	
2N312+	-N	G	SYL	210	TO 5	15	15	15.0	.200A	.100W	85J	LS SW	10UA	15V	40	
2N315	P	G	ETC	210	TO 5	20	15	20.0	.500A	.100W	85J	5.000B	2UA	5V	22	.100A
2N315A	P	G	ETC,TII	210	TO 5	30	20	20.0	.500A	.150W	85J	5.000B	2UA	5V	34	.100A
2N316	P	G	ETC	210	TO 5	20	10	20.0	.500A	.100W	85J	12.000B	2UA	5V	34	.200A
2N316A	P	G	ETC	210	TO 5	30	15	20.0	.500A	.150W	85J	12.000B	2UA	5V	34	.200A
2N317	P	G	ETC	210	TO 5	20	6	20.0	.500A	.100W	85J	20.000B	2UA	5V	35	.400A
2N317A	P	G	ETC,TII	210	TO 5	25	10	20.0	.500A	.150W	85J	20.000B	2UA	5V	35	.400A
2N319	P	G	ETC,GEC,MOT	212	TO 5	25	20R	5.0	.200A	.225W	85J	2.000B	16UA	25V	34	
2N320	P	G	ETC,GEC,MOT,SES	212	TO 5	25	20R	5.0	.200A	.225W	85J	2.500B	16UA	25V	50	
2N321	P	G	ETC,GEC,MOT,SES	212	TO 5	25	20R	5.0	.200A	.225W	85J	3.000B	16UA	25V	80	
2N322	P	G	ETC,GEC,MOT,SES	212	TO 5	18	18R	5.0	.200A	.200W	60J	1.000B	16UA	16V	50	
2N323	P	G	ETC,GEC,MOT,SES	212	TO 5	18	18R	5.0	.200A	.200W	60J	1.500B	16UA	16V	80	
2N324	P	G	ETC,GEC,MOT,SES	212	TO 5	18	18R	5.0	.200A	.140W	60J	1.500B	16UA	16V	130	
2N325	-P	G	SYL	605	TO 3	35	35		2.000A	12.000W	85J	.005E	500UA	30V	40	
2N326	-N	G	SYL	605	TO 3	35	35		2.000A	7.000W	85J	.005E	500UA	35V	44	
2N327	-P	S	RAY	170	TO 9	40	35		.050A	.330W	160A	.300B	5NA	20V	14	
2N327A	P	S	HUG,RAY,SSO,TII,ETC,NSC	210	TO 5	50	40	20.0	.050A	.330W	160J	5.000G	100NA	30V	14	.003A
2N327B	P	S	RAY,SOL,HUG	210	TO 5	50	40	20.0		.400W	200J	2.000G	1NA	30V	15	.003A
2N328	-P	S	RAY	170	TO 9	30	35		.050A	.330W	160A	.350B	5NA	20V	24	
2N328A	P	S	HUG,RAY,SSO,TII,ETC,NSC	210	TO 5	50	35	20.0	.050A	.330W	160J	5.000G	100NA	30V	26	.003A
2N328B	P	S	RAY,SOL,HUG	210	TO 5	50	35	20.0		.400W	200J	2.000G	1NA	30V	30	.003A
2N329	-P	S	RAY	170	TO 9	20	35		.050A	.330W	160A	.600B	5NA	20V	50	
2N329A	P	S	HUG,RAY,SSO,TII,ETC,NSC	210	TO 5	50	30	20.0	.050A	.330W	160J	15.000G	100NA	30V	60	.003A
2N329B	P	S	RAY,SOL,HUG	210	TO 5	50	30	20.0		.400W	200J	2.000G	1NA	30V	60	.003A
2N330	-P	S	RAY	170	TO 9	20	35		.050A	.330W	160A	.500B	5NA	20V	30	
2N330A	P	S	SSO,SOL,HUG	210	TO 5	50	30	20.0	.050A	.330W	160J	.500B	100NA	30V	26	
2N331	P	G	ETC,MOT,GIC	210	TO 5	30		12.0	.200A	.200W	65J	.400B	16UA	30V	60	
2N332	N	S	GEC,TEC,TII,ETC,HUG	210	TO 5	45		1.0	.025A	.150W	175J	1.000B	2NA	30V	14	
2N332A	N	S	GEC,ETC,TII,TEC,HUG	210	TO 5	45	45	4.0	.025A	.500W	175J	2.500B	500NA	30V	16	
2N333	N	S	GEC,TEC,TII,ETC,HUG	210	TO 5	45		1.0	.025A	.150W	175J	2.000B	2UA	30V	31	
2N333A	N	S	GEC,ETC,TII,ETC,HUG	210	TO 5	45	45	4.0	.025A	.500W	175J	2.500B	500NA	30V	30	
2N334	N	S	GEC,TEC,TII,ETC,HUG	210	TO 5	45		1.0	.025A	.150W	175J	8.000B	2UA	30V	38	
2N334A	N	S	GEC,ETC,TII,TEC,HUG	210	TO 5	45	45	4.0	.025A	.500W	175J	8.000B	500NA	30V	50	
2N335	N	S	GEC,TEC,TII,ETC,HUG	210	TO 5	45		1.0	.025A	.150W	175J	2.000B	2UA	30V	56	
2N335A	N	S	GEC,ETC,TII,TEC,HUG	210	TO 5	45	45	4.0	.025A	.500W	175J	2.500B	500NA	30V	60	
2N335B	N	S	GEC,ETC,HUG	210	TO 5	50	60	4.0	.025A	.500W	175J	2.500B	500NA	30V	60	
2N336	N	S	GEC,TEC,TII,ETC,HUG	210	TO 5	45		1.0	.025A	.150W	175J	2.000B	2UA	30V	100	
2N336A	N	S	GEC,ETC,TII,TEC,HUG	210	TO 5	45	45	4.0	.025A	.500W	175J	2.500B	500NA	30V	150	
2N337	N	S	GEC,RAO,TEC,TII,HUG	210	TO 5	45		1.0	.020A	.025W	150J	10.000B	1UA	20V	56	
2N337A	N	S	GEC,TEC,HUG	210	TO 5	45	35	2.5	.020A	.500W	175J	15.000B	500NA	30V	56	
2N338	N	S	GEC,RAO,TEC,TII,ETC,HUG	210	TO 5	45		1.0	.020A	.125W	150J	20.000B	1UA	20V	100	
2N338A	N	S	GEC,TEC,HUG	210	TO 5	45	35	2.5	.020A	.500W	175J	25.000B	500NA	30V	100	
2N339	N	S	TII,ETC,TEC,HUG	210	TO 11	55	55	1.0	.060A	1.000W	150J	AUO	1UA	30V	50	
2N339A	N	S	ETC,TEC,HUG	210	TO 11	60	60	3.0		1.000W	200J		1UA	30V	30	.050A
2N340	N	S	TII,ETC,TEC,HUG	210	TO 11	85	85	1.0	.060A	1.000W	150J	AUO	1UA	30V	50	
2N340A	N	S	ETC,TEC,HUG	210	TO 11	85	85	3.0		1.000W	200J		1UA	30V	30	.050A
2N341	N	S	TII,ETC,HUG	210	TO 11	125	125	1.0	.060A	1.000W	150J	AUO	1UA	30V	50	
2N341A	N	S	ETC,TEC,HUG	210	TO 11	125	125	3.0		1.000W	200J		1UA	30V	47	
2N342	N	S	TII,ETC,TEC,HUG	210	TO 11	60	60	1.0	.060A	1.000W	150J	AUO	1UA	30V	16	
2N342A	N	S	TII,ETC,TEC,HUG	210	TO 11	85	85	1.0	.060A	1.000W	150J	AUO	1UA	30V	16	
2N342B	N	S	TEC	210	TO 11	85	85	2.0	.060A	.750W	150J	AUO	1UA	30V	20	
2N343	N	S	TEC,ETC,HUG	210	TO 11	60	60	1.0	.060A	1.000W	150J	AUO	1UA	30V	56	
2N343A	N	S	TEC,HUG	210	TO 11	60	60	1.0		1.000W	150J	AUO	1UA	30V	56	
2N343B	N	S	HUG	210	TO 11	65	65	2.0	.060A	1.000W	150J	AUO	1UA	30V	56	
2N344	P	G	HUG	116	TO 24	5	5	5.0	.005A	.040W	55J	30.000F	3UA	5V	22	
2N345	P	G	HUG	116	TO 24	5	5	5.0	.005A	.040W	55J	30.000F	3UA	5V	60	
2N346	P	G	HUG	116	TO 24	5	5	5.0	.005A	.040W	55J	60.000F	3UA	5V	20	

Transistor Type No.	N, G / P, S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{r,n}$	$V_{r,r}$	$V_{r,m}$	Maximum I_r	Power	Max. T_j(°C)	Frequency Resp.(MHz)	Leakage $I_{r,m}$ @	$V_{r,m}$	Gain $h_{r,}$ @	I_r
2N350	P G	BEN,ETC,HUG	605	TO 3	40	30	10.0	3.000A	25.000W	100J	.005E	3MA	30V	40	
2N350A	P G	MOT,BEN,ETC,HUG	605	TO 3	50	40	10.0	6.000A	40.000W	100J	.005E	3MA	30V	40	
2N351	P G	RCA,BEN,ETC,HUG	605	TO 3	40	30S	10.0	3.000A	10.000W	90J	AUD	3MA	30V	60	
2N351A	P G	MOT,BEN,HUG	605	TO 3	50	40	10.0		40.000W	100J	.005E	3MA	30V	60	
2N356	N G	ETC	210	TO 5	20	12	20.0	.500A	.100W	100J	3.000B	5UA	5V	34	.100A
2N356A	N G	ETC	210	TO 5	30	20	20.0	.500A	.150W	85J	3.000B	5UA	5V	34	.100A
2N357	N G	ETC	210	TO 5	20	15	20.0	.500A	.100W	100J	6.000B	5UA	5V	34	.200A
2N357+	N G	TAD	170	TO 9	20	15	20.0	.500A	.100W	75A	6.000B	5UA	5V	40	
2N357A	N G	ETC	210	TO 5	30	20	20.0	.500A	.150W	100J	6.000B	5UA	5V	50	.200A
2N358	N G	ETC	210	TO 5	20	12	20.0	.500A	.100W	100J	9.000B	5UA	5V	44	.300A
2N358+	N G	TAD,SYL	170	TO 9	20	12	20.0	.500A	.100W	75A	9.000B	5UA	5V	30	
2N358A	N G	ETC	210	TO 5	30	15	20.0	.500A	.150W	100J	9.000B	5UA	5V	50	.300A
2N359	P G	ETC	210	TO 5	25	18R	6.0	.200A	.175W	95J	3.500B	10UA	12V	175	.050A
2N360	P G	ETC	210	TO 5	32	30R	6.0	.200A	.175W	95J	2.500B	10UA	12V	88	.050A
2N361	P G	ETC	210	TO 5	32	30R	6.0	.200A	.175W	95J	2.500B	10UA	12V	44	.050A
2N362	P G	ETC	210	TO 5	25	18	6.0	.100A	.175W	95J	2.000B	10UA	12V	100	
2N363	P G	ETC	210	TO 5	40	30	6.0	.100A	.175W	95J	1.500B	10UA	12V	50	
2N364	N G	ETC	210	TO 5	30	25R	2.0	.075A	.150W	85J	1.000B	10UA	30V	14	
2N364+	N G	TII	10	10B	30		2.0	.050A	.150W	75J	1.000B	10UA	30V	14	
2N365	N G	ETC	210	TO 5	30	25R	2.0	.075A	.150W	85J	1.000B	10UA	30V	38	
2N365+	N G	TII	10	10B	30		2.0	.050A	.150W	75J	1.000B	10UA	30V	28	
2N366	N G	ETC	210	TO 5	30	25R	2.0	.075A	.150W	85J	1.000B	10UA	30V	100	
2N366+	N G	TII	10	10B	30		2.0	.050A	.150W	75J	1.000B	10UA	30V	80	
2N367	P G	ETC	210	TO 5	30	25R	10.0	.075A	.150W	85J	.300B	15UA	30V	14	
2N368	P G	ETC	210	TO 5	30	25R	10.0	.075A	.150W	85J	.400B	15UA	30V	38	
2N368+	P G	TII	10	10B	30		10.0	.050A	.100W	75J	.400B	20UA	30V	34	
2N369	P G	ETC	210	TO 5	30		10.0		.150W	85J	.500B	15UA	30V	90	
2N369+	P G	TII	10	10B	30		10.0	.050A	.100W	75J	.500B	20UA	30V	70	
2N370	P G	RCA	75	TO 7	20		1.5	.010A	.080W	71A	130.000G	20UA		60	
2N371	P G	RCA	75	TO 7	20		1.5	.010A	.080W	71A	130.000G	20UA	12V	60	
2N372	P G	RCA	75	TO 7	20		1.5	.010A	.080W	71A	130.000G	20UA		60	
2N373	P G	RCA	75	TO 7	25		1.5	.010A	.080W	71A	130.000G	8UA	12V	60	
2N374	P G	RCA	75	TO 7	25		1.5	.010A	.080W	71A	130.000G	8UA	12V	60	
2N375	P G	BEN,MOT,ETC,HUG	605	TO 3	80	60R	20.0	3.000A	90.000W	90J	.007E	3MA	60V	60	
2N376	P G	RCA,MOT,BEN,ETC,HUG	605	TO 3	40	30R	10.0	3.000A	65.000W	90J	.005E	3MA	30V	60	
2N376A	P G	MOT,BEN,ETC,HUG	605	TO 3	50	40R	10.0	5.000A	60.000W	100J	.005E	3MA	30V	80	.700A
2N377	N G	ETC,TAD,TII	210	TO 5	25	20R	15.0	.200A	.150W	100J	6.000B	20UA	20V	40	.040A
2N377A	N G	ETC	210	TO 5	40	30R	15.0	.200A	.200W	100J	6.000B	40UA	40V	35	.030A
2N378	P G	MOT,BEN,ETC,HUG	605	TO 3	20			5.000A	106.000W	110J	.005E	500UA	25V	60	2.000A
2N379	P G	OEL,TSE,MOT,BEN,ETC,HUG	605	TO 3	80	40	20.0	7.000A	100.000W	110J	.003E	500UA	25V	40	2.000A
2N380	P G	OEL,TSE,MOT,BEN,ETC,HUG	605	TO 3	60	30	20.0	7.000A	100.000W	110J	.003E	500UA	25V	40	2.000A
2N381	P G	ETC,MOT	212	TO 5	50	25R	20.0	.400A	.225W	85J	3.000B	15UA	25V	40	
2N382	P G	ETC,MOT,TSE	212	TO 5	50	25R	20.0	.400A	.225W	85J	4.000B	10UA	25V	90	
2N383	P G	MOT,TSE,ETC	212	TO 5	50	25R	20.0	.400A	.225W	100J	5.000B	10UA	25V	100	
2N384	P G	CSF,RCA	128	TO 44	40		.5	.010A	.120W	100A	50.000B	12UA	12V	100	
2N385	N G	TAD,ETC	212	TO 5	25	25R	15.0	.200A	.150W	100J	4.000B	10UA	25V	70	
2N385A	N G	TAD,ETC	212	TO 5	40		15.0	.200A	.200W	100J	4.000B	40UA	40V	70	
2N388	N G	CSF,RCA,TAD,TII,ETC,ITT	212	TO 5	25	20	15.0	.200A	.150W	100J	5.000B	10UA	25V	120	.030A
2N388A	N G	TII,RCA,TAD,ETC	212	TO 5	40		15.0	.200A	.200W	100J	8.000B	10UA	25V	120	.030A
2N389	N S	AMF,TEC,TII,BEN,HUG	731	TO 53	60	60R	10.0		85.000W	200J	8.500G	10MA	60V	36	
2N389A	N S	AMF,TEC,TII,BEN,HUG	731	TO 53	60	60S	10.0	3.000A	85.000W	200J	2.000B	10MA	60V	36	
2N392	P G	OEL,ETC,HUG	605	TO 3	60	45	40.0	5.000A	90.000W	100J	.006E	8MA	60V	110	30.000A
2N393	P G	SPR,HUG	116	TO 24	6	6	6.0	.050A	.035W	100J	25.000G	5UA	6V	80	
2N394	P G	ETC,GEC	212	TO 5	30	10	20.0	.200A	.150W	85J	4.000B	6UA	10V	44	
2N395	P G	GEC,ETC,TAD,TII	212	TO 5	30	20R	15.0	.200A	.150W	85J	3.000B	6UA	15V	60	
2N396	P G	CSF,GEC,ETC,TAD,TII	212	TO 5	20	20R	10.0	.200A	.150W	85J	5.000B	6UA	20V	70	
2N396A	P G	GEC,ETC	212	TO 5	30	20	20.0	.200A	.200W	85A	8.000B	6UA	20V	70	
2N397	P G	CSF,GEC,TII,TAD	210	TO 5	30	15R	20.0	.200A	.200W	85J	10.000B	6UA	15V	100	
2N398	P G	RCA,MOT,TII	210	TO 5	105	105S	50.0	.100A	.050W	55A	.500B	50UA	105V	40	
2N398A	P G	RCA,MOT,TII	210	TO 5	105	105S	50.0	.100A	.150W	100A	.500B	50UA	105V	40	
2N398B	P G	RCA,TII,TAD	210	TO 5	105	105S	50.0	.100A	.150W	100A	.100B	25UA	105V	60	
2N399	P G	BEN,ETC,HUG	605	TO 3	35		15.0	3.000A	25.000W	100J	.006E	1MA	25V	80	.420A
2N400	P G	BEN,ETC,HUG	605	TO 3	35		15.0	3.000A	35.000W	100J	.006E	2MA	25V	56	1.300A
2N401	P G	BEN,ETC,HUG	605	TO 3	35		15.0	3.000A	35.000W	100J	.006E	1MA	25V	50	.420A
2N402	P G	ETC	210	TO 5	25	20	10.0	.150A	.180W	85J	.300B	15UA	20V	30	
2N403	P G	ETC	210	TO 5	25	20	10.0	.200A	.180W	85J	.430B	15UA	20V	40	
2N404	P G	CSF,GEC,RCA,AMP,ETC,TAD	210	TO 5	25	24	12.0	.200A	.150W	100A	12.000B	5UA	12V	40	.024A
2N404A	P G	GEC,RCA,ETC,TAD,TII,GIC	210	TO 5	40	35	25.0	.200A	.150W	100J	12.000B	5UA	12V	50	
2N405	P G	ETC	210	TO 5	20	18	2.5	.035A	.150W	85J	.650B	14UA	12V	35	
2N405+	P G	RCA	55	TO 40	20	18	2.5	.035A	.150W	71A	.650B	14UA	6V	35	
2N406	P G	ETC	210	TO 5	20	18	2.5	.035A	.150W	71J	.650B	14UA	12V	35	
2N406+	P G	RCA,TAD	120	TO 5	20	18	2.5	.035A	.150W	71A	.650B	14UA	6V	35	
2N407	P G	ETC	210	TO 5	20	18	2.5	.070A	.150W	71J		14UA	12V	75	.050A
2N407+	P G	RCA	55	TO 40	20	18	2.5	.070A	.150W	71A	AUD	14UA	12V	65	
2N408	P G	ETC	210	TO 5	20	18	2.5	.070A	.150W	71J	AUD	14UA	12V	70	.050A
2N408+	P G	RCA,TAD	120	TO 1	20	18	2.5	.070A	.150W	71A	AUD	14UA	12V	65	
2N409	P G	ETC	210	TO 5	13	9	.5	.015A	.080W	71J	6.800B	10UA	15V	48	
2N409+	P G	RCA	55	TO 40	13	10	.5	.015A	.080W	71A	6.800B	10UA	15V	48	
2N410	P G	ETC	210	TO 5	13	9	.5	.015A	.080W	71J	6.800B	10UA	15V	48	
2N410+	P G	RCA	120	TO 1	13	10	.5	.015A	.080W	71A	6.800B	10UA	15V	48	
2N411	P G	ETC	210	TO 5	13	9	.5	.015A	.080W	71J	10.000B	10UA	15V	75	
2N411+	P G	RCA	55	TO 40	13	10	.5	.015A	.080W	71A	10.000B	10UA	15V	75	
2N412	P G	ETC	210	TO 5	13	9	.5	.015A	.080W	71J	10.000B	10UA	15V	75	
2N412+	P G	RCA	120	TO 1	13	10	.5	.015A	.080W	71A	10.000B	10UA	15V	75	
2N413	P G	GEC,ETC,TAD	210	TO 5	30	18	20.0	.200A	.150W	85A	3.000B	5UA	12V	40	
2N413A	P G	ETC	210	TO 5	30	15	20.0	.200A	.150W	85J	1.500B	5UA	12V	24	
2N414	P G	GEC,RCA,TAD,ETC	210	TO 5	30	15	20.0	.200A	.150W	85A	7.000B	5UA	12V	60	
2N414A	P G	ETC	210	TO 5	30	15	20.0	.200A	.150W	85J	2.000B	5UA	12V	60	
2N414B	P G	ETC	210	TO 5	30	15	20.0	.200A	.200W	85J	4.000B	5UA	12V	60	
2N414C	P G	ETC	210	TO 5	30	15	20.0	.200A	.200W	85J	4.000B	5UA	12V	60	
2N415	P G	ETC	210	TO 5	30	10	20.0	.200A	.150W	85J	5.000B	5UA	12V	80	
2N415A	P G	ETC	210	TO 5	30	10	20.0	.200A	.150W	85J	5.000B	5UA	12V	80	
2N416	P G	ETC	210	TO 5	30	12	20.0	.200A	.150W	85J	5.000B	5UA	12V	80	
2N417	P G	ETC	210	TO 5	30	10	20.0	.200A	.150W	85J	10.000B	5UA	12V	140	
2N418	P G	BEN,ETC,HUG	605	TO 3	75		15.0	5.000A	25.000W	100J	.004E	2MA	60V	80	4.000A
2N419	P G	BEN,ETC,HUG	605	TO 3	40		15.0	3.000A	25.000W	100J	.006E	1MA	25V	56	.420A
2N420	P G	BEN,ETC,HUG	605	TO 3	40		15.0	5.000A	25.000W	100J	.004E	1MA	25V	80	4.000A
2N420A	P G	BEN,HUG	605	TO 3	65		15.0	5.000A	25.000W	100J	.004E	2MA	60V	80	4.000A
2N422	P G	ETC,HUG	210	TO 5	35	20	15.0	.100A	.150W	85J	.500B	12UA	20V	60	
2N424	N S	AMF,TEC,TII,BEN,HUG	731	TO 53	80	80R	10.0	3.000A	85.000W	200J	6.000G	10MA	40V	36	
2N424A	N S	AMF,TEC,TII,BEN,HUG	731	TO 53	80	80S	10.0	3.000A	85.000W	200J	2.000B	10MA	40V	36	
2N425	P G	ETC,TAD	210	TO 5	30	20	20.0	.400A	.150W	85A	2.500B	25UA	30V	20	.010A
2N426	P G	TAD,TII,ETC	210	TO 5	30	18	20.0	.400A	.150W	85J	6.000B	25UA	40V	25	.010A
2N427	P G	TAD,TII,ETC	210	TO 5	30	15	20.0	.400A	.150W	85J	11.000B	25UA	20V	25	.010A
2N428	P G	CSF,TII,TAD,ETC,HUG	210	TO 5	30	12	20.0	.400A	.150W	85J	17.000B	25UA	30V	30	.010A
2N438	N G	ETC,TAD,TII	210	TO 5	30	25	25.0	.400A	.150W	85J	2.500B	10UA	25V	25	
2N438A	N G	TAD,ETC,GIC,TII	210	TO 5	30	25	25.0	.400A	.200W	85J	2.500B	10UA	25V	25	
2N439	N G	TII,TAD,ETC	210	TO 5	30	25	25.0	.400A	.150W	85J	5.000B	10UA	25V	45	.050A
2N439A	N G	TAD,ETC,GIC	210	TO 5	30	25	25.0	.400A	.200W	85J	5.000B	10UA	25V	45	.050A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{c,o}$	$V_{c,}$	$V_{e,o}$	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{c,o}$ @	$V_{c,o}$	Gain $h_{f,}$ @	I_c
2N440	N	G	TII,TAO,ETC	210	TO 5	30	20	25.0	.400A	.150W	85J	12.000B	10UA	25V	70	.050A
2N440A	N	G	TAO,ETC,GIC	210	TO 5	30	15	25.0	.400A	.200W	85J	12.000B	10UA	25V	70	5.000A
2N441	P	G	DEL,MOT,ETC,SOL,HUG	405	TO 36	60	40	20.0	15.000A	150.000W	100C	.010E	4MA	40V	30	5.000A
2N442	P	G	DEL,MOT,ETC,SOL,HUG	405	TO 36	50	45	30.0	15.000A	150.000W	100C	.010E	4MA	50V	30	5.000A
2N443	P	G	OEL,MOT,ETC,SOL,HUG	405	TO 36	60	50	40.0	15.000A	150.000W	100C	.010E	4MA	60V	30	5.000A
2N444	N	G	ETC	210	TO 5	15	15	10.0	.100A	.180W	85J	.500B	6UA	10V	20	
2N444 +	-N	G	CBS	170	TO 9	15	15	10.0	.100A	.100W	85J	.500B	6UA	10V	20	
2N444A	N	G	ETC	210	TO 5	35	25	10.0		.150W	100J	.500B	4UA	5V	30	.020A
2N445	N	G	ETC	210	TO 5	15	12	10.0	.100A	.180W	85J	2.000B	6UA	10V	40	
2N445 +	-N	G	CBS	170	TO 9	15	12	10.0	.100A	.100W	85J	2.000B	6UA	10V	40	
2N445A	N	G	ETC,GIC	210	TO 5	25	18	10.0		.150W	100J	2.000B	4UA	5V	80	.020A
2N446	N	G	ETC	210	TO 5	15	10	10.0	.100A	.180W	85J	5.000B	6UA	10V	60	
2N446 +	-N	G	CBS	170	TO 9	15	10	10.0	.100A	.100W	85J	5.000B	6UA	10V	60	
2N446A	N	G	ETC,GIC	210	TO 5	25	15	10.0		.150W	100J	5.000B	4UA	5V	120	.020A
2N447	N	G	ETC	210	TO 5	15	6	10.0		.100W	85J	9.000B	6UA	10V	50	
2N447 +	-N	G	GTC	295	295A	45	24	12.0	.100A	.075W	85A	1.000B	10UA	20V	50	
2N447A	N	G	ETC,GIC	210	TO 5	25	12	10.0		.150W	100J	9.000B	4UA	5V	155	.020A
2N448	N	G	ETC	210	TO 5	15	15R		.020A	.065W	85J	2.500B	5UA	15V	34	
2N448 +	-N	G	GEC	12	12A	15	15		.020A	.065W	85A	5.000B	5UA	15V	30	
2N449	N	G	ETC	210	TO 5	15	15		.020A	.065W	85J	8.000B	5UA	15V	68	.001A
2N449 +	N	G	GEC	12	12A	15	15		.020A	.065W	85A	8.000B	5UA	15V	70	
2N450	P	G	ETC	210	TO 5	20	12	10.0	.125A	.150W	85J	5.000B	6UA	12V	60	
2N450 +	-P	G	GEC	57	57C	20	12	10.0	.125A	.150W	85J	5.000B	6UA	12V	130	
2N456	P	G	BEN,ETC,HUG	605	TO 3	40	40X	20.0	5.000A	50.000W	100J	.200G	2MA	40V	20	5.000A
2N456A	P	G	OEL,TII,BEN,ETC,MOT,HUG	605	TO 3	40	30	20.0	7.000A	150.000W	100J	.200G	500UA	20V	60	5.000A
2N456B	P	G	OEL,TII,BEN,ETC,HUG	605	TO 3	40	30	30.0	7.000A	150.000W	100J	.200G	500UA	20V	56	5.000A
2N457	P	G	BEN,ETC,HUG	605	TO 3	60	60X	20.0	5.000A	50.000W	95C	.200G	500UA	30V	20	5.000A
2N457A	P	G	DEL,TII,BEN,ETC,MOT,HUG	605	TO 3	60	40	20.0	7.000A	150.000W	100J	.200G	500UA	30V	60	5.000A
2N457B	P	G	OEL,TII,BEN,ETC,HUG	605	TO 3	60	40	30.0	7.000A	150.000W	100J	.200G	500UA	30V	56	5.000A
2N458	P	G	BEN,ETC,HUG	305	TO 3	80	80X	20.0	5.000A	50.000W	100J	.200G	500UA	40V	20	5.000A
2N458A	P	G	OEL,TII,BEN,ETC,MOT,HUG	605	TO 3	80	45	20.0	7.000A	150.000W	100J	.200G	500UA	40V	60	5.000A
2N458B	P	G	OEL,TII,BEN,ETC,HUG	605	TO 3	80	45	30.0	7.000A	150.000W	100J	.200G	500UA	40V	56	5.000A
2N459	P	G	MOT,ETC	605	TO 3		60	10.0	5.000A	106.000W	110J	.005E	500UA	25V	38	2.000A
2N459A	P	G	MOT,ETC	605	TO 3	105	60	25.0	5.000A	106.000W	110J	.005E	500UA	25V	54	2.000A
2N460	P	G	MOT,TSE,TAO,ETC	212	TO 5	45	35	10.0	.400A	.200W	100J	1.200B	15UA	45V	26	
2N461	P	G	GEC,MOT,TAO,TSE,ETC	212	TO 5	45	35R	10.0	.400A	.200W	100J	2.000B	15UA	45V	100	
2N462	-P	G	ETC	210	TO 5	40		40.0	.200A	.150W	75J	.500B	35UA	35V	40	
2N464	P	G	MOT,ETC,TAO	210	TO 5	40	40	12.0	.100A	.150W	85J	7.000B	20UA	40V	26	
2N465	P	G	MOT,ETC,TAO,GIC	210	TO 5	40	30	12.0	.100A	.150W	85J	8.000B	20UA	40V	30	
2N466	P	G	MOT,ETC,TAO	210	TO 5	35	20	12.0	.100A	.150W	85J	1.000B	20UA	35V	70	
2N467	P	G	MOT,TAO,TII,ETC	210	TO 5	35	15	12.0	.100A	.200W	85J	1.200B	20UA	35V	140	
2N470	N	S	ETC,TEC,HUG	210	TO 5	15	15	2.0		.200W	200J	18.000G	500NA	15V	18	
2N471	N	S	ETC,TEC,HUG	210	TO 5	30	30	2.0		.200W	200J	18.000G	500NA	30V	18	
2N471A	N	S	ETC,TEC,HUG	210	TO 5	30	30S	2.0		.200W	175J	8.000B	500NA	30V	16	
2N472	N	S	TEC,ETC,HUG	210	TO 5	45	45	2.0	.050A	.200W	200J	18.000G	500NA	45V	18	
2N472A	N	S	ETC,TEC,HUG	210	TO 5	45	45S	2.0		.200W	175J	8.000B	500NA	30V	16	
2N473	N	S	TEC,ETC,HUG	210	TO 5	14	15	2.0	.050A	.200W	200J	18.000G	500NA	15V	36	
2N474	N	S	TEC,ETC,HUG	210	TO 5	30	30	2.0	.050A	.200W	100J	18.000G	500NA	30V	36	
2N474A	N	S	ETC,TEC,HUG	210	TO 5	30	30S	2.0		.200W	175J	8.000B	500NA	30V	15	.010A
2N475	N	S	ETC,TEC,HUG	210	TO 5	45	45	2.0	.050A	.200W	200J	18.000G	500NA	45V	36	
2N475A	N	S	ETC,TEC,HUG	210	TO 5	45	45S	2.0		.200W	175J	8.000B	500NA	45V	15	.010A
2N478	N	S	GEC,ETC,TEC,HUG	210	TO 5	15	15	2.0		.200W	200J	25.000G	500NA	15V	60	
2N479	N	S	GEC,ETC,TEC,HUG	210	TO 5	30	30	2.0		.200W	200J	25.000G	500NA	30V	60	
2N479A	N	S	ETC,TEC,HUG	210	TO 5	30	30S	2.0		.200W	175J	8.000B	500NA	30V	30	.010A
2N480	N	S	GEC,ETC,TEC	210	TO 5	45	45	2.0		.200W	200J	25.000G	500NA	45V	60	
2N480A	N	S	ETC,TEC,HUG	210	TO 5	45	45S	2.0		.200W	175J	8.000B	500NA	45V	30	.010A
2N481	P	G	ETC	210	TO 5	12	12	5.0	.020A	.150W	85J	1.500B	10UA	12V	50	
2N482	P	G	ETC	210	TO 5	12	12	5.0	.020A	.150W	85J	1.500B	10UA	12V	60	
2N483	P	G	ETC	210	TO 5	12	12	5.0	.020A	.150W	85J	3.000B	10UA	12V	80	
2N484	P	G	ETC	210	TO 5	12	12	5.0	.020A	.150W	85J	5.000B	10UA	12V	90	
2N485	P	G	ETC	210	TO 5	12	12	5.0	.020A	.150W	85J	5.000B	10UA	12V	50	
2N486	P	G	ETC	210	TO 5	12	12	5.0	.050A	.150W	85J	9.000B	10UA	12V	100	
2N495	P	S	SPR	120	TO 1	25	25		.050A	.150W	140J		1UA	25V	23	.001A
2N496	P	S	SPR,HUG	120	TO 1	10	10		.050A	.150W	140J		100NA	10V	23	.015A
2N497	N	S	GEC,SSP,TII,RAY,NSC,TEC	211	TO 5	60	60	8.0	.200A	.800W	200J	60.000G	10UA	30V	20	.200A
2N497A	N	S	GEC,SSP,TII,TEC,HUG	211	TO 5	60	60	8.0	.500A	1.000W	200J	AUD	10UA	30V	20	
2N498	N	S	GEC,SSP,TII,RAY,NSC,TEC	211	TO 5	100	100	8.0	.200A	.800W	200J	60.000G	10UA	30V	20	.200A
2N498A	N	S	GEC,SSP,TII,TEC,HUG	211	TO 5	100	100	8.0	.500A	1.000W	200J	AUD	10UA	30V	20	
2N499	P	G	ETC,SPR,MOT,HUG	120	TO 1	30	18	.5	.050A	.030W	85J	120.000G	15UA	15V	40	
2N499A	P	G	ETC,SPR,MOT,HUG	120	TO 1	30	18	.5	.050A	.060W	100J	120.000G	15UA	15V	40	
2N500	P	G	ETC	170	TO 9	15	12S	2.0	.050A	.060W	100J	175.000G	5UA	5V	30	.010A
2N501	P	G	SPR,ETC,HUG	120	TO 1	15	12S	2.0	.050A	.060W	100J	120.000G	5UA	5V	30	.050A
2N501/18	-P	G	SYL	211	TO 18	15	12S	2.0	.200A	.150W	100J	50.000G	100UA	15V	40	
2N501A	P	G	SPR,ETC,HUG	120	TO 1	15	12S	2.0	.050A	.060W	100J	175.000G	5UA	5V	45	.010A
2N502	P	G	SPR,ETC,MOT,HUG	170	TO 9	20	20	.5	.100A	.060W	100J	260.000G	5UA	10V	18	
2N502A	P	G	SPR,ETC,MOT,HUG	170	TO 9	30	30	.5	.100A	.075W	100J	260.000G	5UA	10V	30	
2N502B	P	G	SPR,ETC,MOT,HUG	170	TO 9	30	30	.5	.100A	.075W	100J	260.000G	5UA	10V	15	
2N503	P	G	SPR,ETC,HUG	170	TO 9	20	20S	.5	.050A	.025W	85J	168.000G	5UA	10V	16	
2N504	P	G	SPR,ETC,HUG	120	TO 1	35	25S	1.0	.050A	.040W	85J	50.000F	10UA	12V	60	
2N505	P	G	ETC	210	TO 5	40		40.0	.250A	.125W	85J	5.000B	10UA	25V	50	
2N506	P	G	ETC	210	TO 5	40			.100A	.050W	85J	.600B	15UA	30V	50	
2N506 +	-P	G	SYL	10	TO 22	40			.100A	.050W	85J	.600B	125UA	40V	36	
2N507	-N	G	SYL	10	TO 22	40			.100A	.050W	85J	.600B	125UA	40V	36	
2N508	P	G	GEC,TAO,ETC,MOT,TII	212	TO 5	18	16	5.0	.200A	.200W	85J	4.500B	7UA	16V	120	
2N508A	P	G	GEC,MOT	212	TO 5	30	30	10.0	.200A	.200W	85J	2.500B	7UA	25V	120	.020A
2N511	P	G	BEN,TII,ETC,SOL,HUG	607	TO 41	40	30	30.0	25.000A	150.000W	100J	.250G	5UA	40V	40	
2N511A	P	G	BEN,TII,ETC,SOL,HUG	607	TO 41	60	40	30.0	25.000A	150.000W	100J	.250G	5UA	60V	40	
2N511B	P	G	BEN,TII,ETC,SOL,HUG	607	TO 41	80	45	30.0	25.000A	150.000W	100J	.250G	5UA	80V	40	
2N512	P	G	BEN,TII,ETC,HUG	607	TO 41	40	30	30.0	25.000A	150.000W	100J	.270G	5UA	40V	40	
2N512A	P	G	BEN,TII,ETC,HUG	607	TO 41	60	40	30.0	25.000A	150.000W	100J	.270G	5UA	60V	40	
2N512B	P	G	BEN,TII,ETC,HUG	607	TO 41	80	45	30.0	25.000A	150.000W	100J	.270G	5UA	80V	40	
2N513	P	G	BEN,TII,ETC,HUG	607	TO 41	40	30	30.0	25.000A	150.000W	100J	.300G	5UA	40V	40	
2N513A	P	G	BEN,TII,ETC,HUG	607	TO 41	60	40	30.0	25.000A	150.000W	100J	.300G	5UA	60V	40	
2N513B	P	G	BEN,TII,ETC,HUG	607	TO 41	80	45	30.0	25.000A	150.000W	100J	.300G	5UA	80V	40	
2N514	P	G	BEN,TII,ETC,SOL,HUG	607	TO 41	40	30	30.0	25.000A	150.000W	100J	.430G	5UA	40V	40	
2N514A	P	G	BEN,TII,ETC,SOL,HUG	607	TO 41	60	40	30.0	25.000A	150.000W	100J	.430G	5UA	60V	40	
2N514B	P	G	BEN,TII,ETC,SOL,HUG	607	TO 41	80	45	30.0	25.000A	150.000W	100J	.430G	5UA	80V	40	
2N515	N	G	ETC	210	TO 5		18R		.050A	.100W	100J	2.000B	50UA	18V	10	.010A
2N515 +	-N	G	SYL	10	TO 22	18	18R		.010A	.050W	75J	2.000B	50UA	18V	10	
2N516	N	G	ETC	210	TO 5		18R		.050A	.100W	100J	2.000B	50UA	18V	10	
2N516 +	-N	G	SYL	10	TO 22	18	18R		.010A	.050W	75J	2.000B	50UA	18V	14	
2N517	N	G	ETC	210	TO 5		18R		.050A	.100W	100J	2.000B	50UA	18V	10	
2N517 +	-N	G	SYL	10	TO 22	18	18R		.010A	.050W	75J	2.000B	50UA	18V	18	
2N518	P	G	ETC	210	TO 5	45		30.0	.125A	.150W	85J	6.000B	10UA	25V	60	
2N519	P	G	ETC	210	TO 5	15	15	10.0	.200A	.200W	100J	.500B	25UA	15V	30	
2N519A	P	G	ETC,GIC	210	TO 5	25	18	10.0		.150W	100J	.500B	25UA	20V	30	.020A
2N520	P	G	ETC,TII	210	TO 5	15	12	10.0	.200A	.200W	100J	3.000B	25UA	15V	40	
2N520A	P	G	ETC,GIC,TII	210	TO 5	25	15	10.0		.150W	100J	3.000B	25UA	20V	90	.020A
2N521	P	G	ETC	210	TO 5	15	10	10.0	.200A	.200W	100J	8.000B	25UA	15V	70	

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @ V_{cb}	Gain h_{fe} @ I_c
2N521A	P	G	ETC,GIC	210	TO 5	25	12	10.0		.150W	100J	8.000B	25UA 20V	160 .020A
2N522	P	G	ETC	210	TO 5	15	8	10.0	.200A	.200W	100J	15.000B	25UA 15V	130
2N522A	P	G	ETC,GIC,TII	210	TO 5	25	10	10.0		.150W	100J	15.000B	25UA 20V	200 .020A
2N523	P	G	ETC	210	TO 5	15	6	10.0	.200A	.200W	100J	21.000B	25UA 15V	160
2N523A	P	G	ETC,GIC	210	TO 5	20	6	10.0		.150W	100J	21.000B	25UA 15V	250 .020A
2N524	P	G	CSF,GEC,MOT,ETC,TAD,TII	212	TO 5	45	30R	15.0	.500A	.225W	85J	2.500B	10UA 30V	30
2N524A	P	G	MOT	211	TO 5	45	30	15.0	.500A	.225W	100J	.800B	10UA 30V	34 .020A
2N525	P	G	CSF,GEC,MOT,ETC,TAD,TII	212	TO 5	45	30R	15.0	.500A	.225W	85J	3.000B	10UA 30V	44
2N525A	P	G	MOT	211	TO 5	45	30	15.0	.500A	.225W	100J	1.000B	10UA 30V	50 .020A
2N526	P	G	CSF,GEC,MOT,ETC,TAO,TII	212	TO 5	45	30R	15.0	.500A	.225W	85J	3.500B	10UA 30V	64
2N526A	P	G	MOT	211	TO 5	45	30	15.0	.500A	.225W	100J	1.300B	10UA 30V	72 .020A
2N527	P	G	CSF,GEC,MOT,ETC,TAD,TII	212	TO 5	45	30	15.0	.500A	.225W	85J	4.000B	10UA 30V	80
2N527A	P	G	MOT	211	TO 5	45	30	15.0	.500A	.225W	100J	1.500B	10UA 30V	96 .020A
2N529/N	N	G	ETC	210	TO 5	15	15	5.0		.100W	85J	2.500B	5UA 5V	18 .001A
2N529/P	P	G	ETC	210	TO 5	15	15	5.0		.100W	85J	2.500B	5UA 5V	18 .001A
2N530/N	N	G	ETC	210	TO 5	15	15	5.0		.100W	85J	3.000B	5UA 5V	22 .001A
2N530/P	P	G	ETC	210	TO 5	15	15	5.0		.100W	85J	3.000B	5UA 5V	22 .001A
2N531/N	N	G	ETC	210	TO 5	15	15	5.0		.100W	85J	3.500B	5UA 5V	28 .001A
2N531/P	P	G	ETC	210	TO 5	15	15	5.0		.100W	85J	3.500B	5UA 5V	28 .001A
2N532/N	N	G	ETC	210	TO 5	15	15	5.0		.100W	85J	4.000B	5UA 5V	32 .001A
2N532/P	P	G	ETC	210	TO 5	15	15	5.0		.100W	85J	4.000B	5UA 5V	32 .001A
2N533/N	N	G	ETC	210	TO 5	15	15	5.0		.100W	85J	4.500B	5UA 5V	38 .001A
2N533/P	P	G	ETC	210	TO 5	15	15	5.0		.100W	85J	4.500B	5UA 5V	38 .001A
2N533/F	P	G	ETC	210	TO 5	15	15	5.0		.100W	85J	4.500B	5UA 5V	38 .001A
2N534	-P	G	PHL	116	TO 23	50			.025A	.025W	65J	1.500B	15UA 50V	100
2N535	P	G	ETC	210	TO 5	20	20	20.0	.020A	.050W	85J	1.000B	10UA 12V	130
2N535A	P	G	ETC	210	TO 5	20	20	20.0	.020A	.050W	85J	1.000B	10UA 12V	130
2N535B	P	G	ETC	210	TO 5	20	20	20.0	.020A	.050W	85J	1.000B	10UA 12V	130
2N536	P	G	ETC	210	TO 5	20		20.0	.030A	.050W	85J	1.000B	10UA 12V	180
2N536+	-P	G	PHL	116	TO 23	20			.030A	.050W	85J	1.000B	10UA 12V	180
2N538	P	G	SOL,HUG	427	TO 10	80	60		3.500A	30.000W	100J	200.000G	2MA 80V	32 2.000A
2N538A	P	G	SOL,HUG	427	TO 10	80	60	28.0	3.500A	34.000W	100J	.200G	2MA 80V	34 2.000A
2N539	P	G	SOL,HUG	427	TO 10	80	55		3.500A	30.000W	100J	200.000G	2MA 80V	48 2.000A
2N539A	P	G	SOL,HUG	427	TO 10	80	55	28.0	3.500A	34.000W	100J	.200G	2MA 80V	50 2.000A
2N540	P	G	SOL,HUG	427	TO 10	80	55		3.500A	30.000W	100J	200.000G	2MA 80V	74 2.000A
2N540A	P	G	SOL,HUG	427	TO 10	80	55	28.0	3.500A	34.000W	100J	.200G	2MA 80V	74 2.000A
2N541	N	S	GEC,ETC,TII,TEC	210	TO 5	15	15	2.0		.200W	200J	25.000G	500NA 15V	140
2N542	N	S	GEC,ETC,TII,TEC,HUG	210	TO 5	30	30	2.0		.200W	200J	25.000G	500NA 30V	140
2N542A	N	S	ETC,TEC,HUG	210	TO 5	30	30S	2.0		.200W	175J	8.000B	500NA 45V	60 .010A
2N543	N	S	GEC,ETC,TII,TEC,HUG	210	TO 5	45	45	2.0		.200W	200J	25.000G	500NA 45V	140
2N543A	N	S	ETC,TEC,HUG	210	TO 5	45	45S	2.0		.200W	175J	8.000B	500NA 45V	60 .010A
2N544	-P	G	RCA	75	TO 7	18		1.0	.010A	.080W	85J	30.000B	4UA 12V	80
2N544/33	-P	G	SYL	217	TO 33	24		1.0	.010A	.080W	100J	30.000B	24UA 50V	80
2N545	N	S	SSP,TEC,HUG	210	TO 5	60	60	6.0	.800A	.600W	200J	10.000G	15UA 60V	50
2N546	N	S	SSP,TEC,HUG	210	TO 5	60	60	6.0	.800A	.600W	200J	4.000G	15UA 60V	50
2N547	N	S	SSP,ETC,TEC,HUG	210	TO 5	60	60	6.0	.800A	.600W	200J	4.000G	15UA 60V	50 .200A
2N548	N	S	SSP,ETC,TEC,HUG	210	TO 5	30	30	6.0	.800A	.600W	200C	4.000G	15UA 60V	50 .200A
2N549	N	S	SSP,ETC,TEC,HUG	210	TO 5	60	60	6.0	.800A	.600W	200J	4.000G	15UA 30V	50 .200A
2N550	N	S	ETC,TEC,HUG	210	TO 5	30	30	6.0	.800A	.600W	200J	4.000G	15UA 30V	50 .200A
2N551	N	S	SSP,ETC,TEC,HUG	210	TO 5	60	60	6.0	.200A	.600W	200J	3.000G	15UA 60V	50 .050A
2N552	N	S	TEC,ETC,TEC,HUG	211	TO 5	30	30	6.0	.200A	.600W	200J	3.000G	15UA 30V	50 .050A
2N553	P	G	BEN,ETC,HUG	605	TO 3	80	40	40.0	4.000A	50.000W	95J	.025E	2MA 60V	70
2N554	P	G	OEL,MOT,BEN,ETC,HUG	605	TO 3	30	30	20.0	5.000A	60.000W	110J	.005E	10MA 15V	50 1.000A
2N555	P	G	MOT,BEN,ETC,HUG	605	TO 3	40	30	15.0	3.000A	65.000W	90J	.008E	7MA 30V	40
2N556	-N	G	SYL	210	TO 5	25	20R	10.0	.200A	.100W	85J		10UA 20V	30
2N557	N	G	ETC	210	TO 5	25	20R	10.0	.200A	.100W	85J	MS SW	10UA 20V	40
2N558	N	G	ETC	210	TO 5	15	15R	15.0	.200A	.100W	85J	MS SW	25UA 10V	100
2N559	P	G	MOT	210	210J	15	15S	5.0	.050A	.150W	100J	300.000G	3UA 5V	54 .010A
2N560	N	S	ETC,NSC,HUG	210	TO 5	60	60S	8.0	.100A	.600W	200J		100NA 20V	30 .100A
2N561	P	G	BEN,ETC,HUG	605	TO 3	80	50	60.0	10.000A	50.000W	100J	.005E	500UA 30V	32 4.000A
2N563	P	G	ETC	210	TO 5	30	25	10.0	.300A	.150W	85J	.400B	5UA 10V	20
2N564	P	G	ETC	210	TO 5	30	25	10.0	.300A	.120W	85J	.400B	5UA 10V	20
2N565	P	G	ETC	210	TO 5	30	25	10.0	.300A	.150W	85J	.500B	5UA 10V	36
2N566	P	G	ETC	210	TO 5	30	25	10.0	.300A	.120W	85J	.500B	5UA 10V	36
2N567	P	G	ETC	210	TO 5	30	25	10.0	.300A	.150W	85J	.700B	50UA 10V	60
2N568	P	G	ETC	210	TO 5	30	25	10.0	.300A	.150W	85J	.750B	5UA 10V	60
2N569	P	G	ETC	210	TO 5	30	15	10.0	.300A	.150W	85J	1.000B	5UA 10V	80
2N57C	P	G	ETC	210	TO 5	30	15	10.0	.300A	.120W	85J	1.000B	5UA 10V	80
2N572	P	G	ETC	210	TO 5	30	15	10.0	.300A	.120W	85J	1.000B	5UA 10V	80
2N574	P	G	SOL,HUG	480	480A	60	55	28.0	10.000A	187.000W	100J	.100G	7MA 60V	15 10.000A
2N574A	P	G	SOL,HUG	480	480A	80	60	28.0	10.000A	187.000W	100J	.100G	20MA 80V	15 10.000A
2N575	P	G	SOL,HUG	480	480A	80	60	28.0	25.000A	187.000W	100J	.150G	7MA 60V	30 10.000A
2N575A	P	G	SOL	480	480A	80	55	28.0	25.000A	187.000W	100J	.150G	20MA 80V	30 10.000A
2N576	N	G	ETC	212	TO 5	20	50X	15.0	.400A	.200W	100J	8.000B	10UA 25V	35 .400A
2N576A	N	G	ETC	212	TO 5	40	40X	15.0	.400A	.200W	100J	10.000B	40UA 40V	35 .400A
2N578	P	G	ETC	210	TO 5	20	14	12.0	.400A	.120W	71J	3.000B	5UA 12V	15 .400A
2N578+	P	G	TAD	170	TO 9	20	14	12.0	.400A	.120W	71J	5.000B	5UA 12V	15
2N579	P	G	ETC,GIC	210	TO 5	20	14	12.0	.400A	.120W	71J	5.000B	5UA 12V	36 .400A
2N579+	P	G	TAD	170	TO 9	20	14	12.0	.400A	.120W	71J	8.000B	5UA 12V	30
2N580	P	G	ETC,GIC	210	TO 5	20	14	12.0	.400A	.120W	71J	10.000B	5UA 12V	44 .400A
2N580+	P	G	TAD	170	TO 9	20	14	12.0	.400A	.120W	71J	15.000B	5UA 12V	44
2N581	P	G	RCA,TAD,ETC,TII	210	TO 5	18	15	10.0	.100A	.150W	85A	4.000B	10UA 12V	30 .020A
2N582	P	G	ETC,RCA,TAD,TII	210	TO 5	25	14	12.0	.100A	.150W	85J	14.000B	5UA 12V	60 .024A
2N583	P	G	ETC	210	TO 5	18	15	10.0	.100A	.120W	85J	4.000B	10UA 12V	40
2N583+	-P	G	RCA	120	TO 1	18	15	10.0	.100A	.120W	85J	8.000B	10UA 12V	30
2N584	P	G	ETC	210	TO 5	25	14R	12.0	.100A	.120W	85J	14.000B	5UA 12V	60 .024A
2N584+	-P	G	RCA	120	TO 1	25	14	12.0	.100A	.120W	85J	18.000B	5UA 12V	60
2N585	N	G	ETC,GIC	210	TO 5	25	24	20.0	.200A	.120W	85J	3.000B	8UA 12V	30 .020A
2N585+	N	G	RCA,TAD	210	TO 5	25	15	20.0	.200A	.120W	85A	2.500B	8UA 12V	40
2N586	P	G	ETC,RCA	210	TO 5	45	25	12.0	.250A	.250W	85J	MS SW	16UA 45V	60
2N587	N	G	ETC,TAD,TII	212	TO 5	40	30	40.0	.200A	.200W	100J	MS SW	10UA 40V	30 .200A
2N588	P	G	SPR,ETC,HUG	120	TO 1	15	15S	.5	.050A	.040W	85J	200.000F	15UA 15V	
2N588A	P	G	HUG	120	TO 1	15	15S	.5	.050A	.060W	85C	200.000F		45 .010A
2N591	P	G	ETC	210	TO 5	32	32R		.040A	.050W	85J	.340B	7UA 1V	70
2N591+	P	G	RCA	120	TO 1		32		.020A	.050W	71J	.700B	7UA 1V	70
2N591J5	-P	G	SYL	210	TO 5	35	32R		.100A	.055W	85J	.700B	7UA 1V	70
2N592	-P	G	GTC	174	TO 9	20	20R	20.0		.150W		.300B	5UA 5V	26
2N593	-P	G	GTC	174	TO 9	35	25R	35.0		.150W		.400B	5UA 5V	30
2N594	-N	G	GTC	174	TO 9	20	20	20.0		.150W		1.500B	5UA 5V	36
2N595	-N	G	GTC	174	TO 9	20	15	20.0		.150W		.300B	5UA 5V	50
2N596	-N	G	GTC	174	TO 9	20	10	20.0		.150W		.500B	5UA 5V	70
2N597	P	G	ETC,GIC	211	TO 5	45	40R	45.0	.400A	.250W	100J	3.000B	8UA 15V	80 .100A
2N597+	-P	G	PHL	171	TO 9	45	40S	45.0	.050A	.250W	100J	3.000B	25UA 45V	70
2N598	P	G	ETC,GIC	211	TO 5	35	35R	30.0	.500A	.250W	100J	5.600B	8UA 15V	140 .100A
2N599	P	G	ETC,GIC	211	TO 5	30	20R	20.0	.500A	.250W	100J	12.000B	8UA 15V	160 .100A
2N600	P	G	GIC	211	211S	35	35S	30.0		.750W		5.000G	5UA 2V	126 .100A
2N601	P	G	GIC	211	211S	30	20S	20.0		.750W		10.000G	5UA 2V	150 .100A
2N602	-P	G	SYL	210	TO 5	20	20	1.0		.120W	85J	10.000G	25UA 30V	40
2N603	-P	G	GTC	210	TO 5	30	20	1.0		.120W	85J	30.000G	20UA 30V	50
2N604	-P	G	GTC	210	TO 5	30	20	2.0		.120W	85J	50.000G	20UA 30V	70

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N605	-P	G	GTC	170	TO 9	15	15			.120W	85J	AM RF	10UA	12V	70	
2N606	-P	G	GTC	170	TO 9	15	15			.120W	85J	AM RF	10UA	12V	100	
2N607	-P	G	GTC	170	TO 9	15	15			.120W	85J	AM RF	10UA	12V	120	
2N608	-P	G	GTC	170	TO 9	15	15			.120W	85J	AM RF	10UA	12V	150	
2N609	P	G	ETC	210	TO 5	25	20	10.0	.200A	.180W	85J	AUO	15UA	20V	90	.100A
2N610	P	G	ETC	210	TO 5	25	20	10.0	.200A	.180W	85J	AUO	15UA	20V	65	.100A
2N611	P	G	ETC	210	TO 5	25	20	10.0	.200A	.180W	85J	AUO	15UA	20V	45	.100A
2N612	P	G	ETC	210	TO 5	25	20	10.0	.150A	.180W	85J	.300B	15UA	20V	24	
2N613	P	G	ETC	210	TO 5	25	20	10.0	.200A	.180W	85J	.500B	15UA	20V	32	
2N614	P	G	ETC	210	TO 5	20	15	10.0	.150A	.125W	85J	1.500B	6UA	20V	32	
2N615	P	G	ETC	210	TO 5	20	15	10.0	.150A	.125W	85J	3.000B	6UA	20V	45	
2N616	P	G	ETC	210	TO 5	15	12	10.0	.150A	.125W	85J	6.000B	6UA	15V	450	
2N617	P	G	ETC	210	TO 5	15	12	10.0	.150A	.125W	85J	5.000B	6UA	15V	105	
2N618	P	G	BEN,MOT,ETC,HUG	605	TO 3	80	60S	12.0	3.000A	90.000W	100J	.005E	3MA	60V	90	1.000A
2N623	-P	G	TII	210	TO 5	30	15	1.0	.020A	.040W	85J	90.000B	10UA	20V	36	
2N624	-P	G	SYL	217	TO 33	30	20S		.010A	.100W	100J	20.000B	10UA	5V	40	
2N625	-N	G	SYL	173	TO 8	40	30S	30.0	.500A	2.000W	100J	MS SW	100UA	40V	60	
2N627	P	G	MOT,BEN,HUG	607	TO 41	40	30S	20.0	10.000A	90.000W	100J	.005E	20MA	40V	20	10.000A
2N628	P	G	MOT,BEN,HUG	607	TO 41	60	45S	30.0	10.000A	90.000W	100J	.005E	20MA	60V	20	10.000A
2N629	P	G	MOT,BEN,HUG	607	TO 41	80	60S	40.0	10.000A	90.000W	100J	.005E	20MA	80V	20	10.000A
2N630	P	G	MOT,BEN,HUG	607	TO 41	100	75S	50.0	10.000A	90.000W	100J	.005E	20MA	100V	20	10.000A
2N631	P	G	ETC	210	TO 5	25	16	6.0	.200A	.170W	85J	.600B	25UA	20V	150	
2N632	P	G	ETC	210	TO 5	30	20	6.0	.200A	.150W	85J	.500B	25UA	20V	100	
2N633	P	G	ETC	210	TO 5	35	20	6.0	.200A	.150W	85J	.400B	25UA	20V	60	
2N634	N	G	ETC	212	TO 5	20	20R	15.0	.300A	.150W	85J	5.000B	5UA	5V	30	.200A
2N634A	N	G	ETC,TAO,TII	212	TO 5	25	20R	25.0	.300A	.150W	85J	5.000B	6UA	25V	40	.200A
2N635	N	G	ETC	212	TO 5	20	20R	15.0	.300A	.150W	85J	10.000B	5UA	5V	50	.200A
2N635A	N	G	ETC,TAO,TII	212	TO 5	25	20R	25.0	.300A	.150W	85J	10.000B	6UA	25V	80	.200A
2N636	N	G	ETC	212	TO 5	20	15R	15.0	.300A	.150W	85J	15.000B	5UA	5V	70	.200A
2N636A	N	G	ETC,TII	212	TO 5	25	15R	25.0	.300A	.150W	85J	15.000B	6UA	25V	100	.200A
2N637	P	G	BEN,ETC,HUG	605	TO 3	60	30	15.0	5.000A	90.000W	110J	.004E	10MA	100V	40	3.000A
2N637A	P	G	BEN,ETC,HUG	605	TO 3	90	55	15.0	5.000A	90.000W	100J	.004E	200UA	2V	46	3.000A
2N637B	P	G	BEN,ETC,HUG	605	TO 3	100	65	15.0	5.000A	90.000W	100J	.004E	200UA	2V	46	3.000A
2N638	P	G	BEN,ETC,HUG	605	TO 3	60	30	15.0	5.000A	90.000W	100J	.004E	200UA	2V	30	3.000A
2N638A	P	G	BEN,ETC,HUG	605	TO 3	90	55	15.0	5.000A	90.000W	100J	.004E	200UA	2V	30	3.000A
2N638B	P	G	BEN,ETC,HUG	605	TO 3	100	60	15.0	5.000A	90.000W	100J	.004E	200UA	2V	30	3.000A
2N639	P	G	ETC	605	TO 3	25	40R	1.5	5.000A	25.000W	100J		1MA	25V	22	3.000A
2N639A	P	G	ETC	605	TO 3	60	70R	1.5	5.000A	25.000W	100J		1MA	60V	22	3.000A
2N639B	P	G	ETC	605	TO 3	60	80R	1.5	5.000A	25.000W	100J		1MA	60V	22	3.000A
2N640	-P	G	RCA	75	TO 7	34		.1	.010A	.080W	71J	40.000B	5UA	12V	60	
2N641	-P	G	RCA	75	TO 7	34		1.0	.010A	.080W	71J	40.000B	7UA	12V	60	
2N642	-P	G	RCA	75	TO 7	34		1.0	.010A	.080W	71J	40.000B	10UA	12V	60	
2N643	-P	G	RCA	171	TO 9	30	29	2.0	.100A	.120W	71A	30.000G	10UA	7V	44	
2N644	-P	G	RCA	217	TO 12	30		1.0	.100A	.120W	71A	40.000G	10UA	7V	40	
2N645	-P	G	RCA	217	TO 12	30		1.0	.100A	.120W	71A	60.000G	10UA	7V	40	
2N647	N	G	RCA	210	TO 5	25		12.0	.050A	.100W	71A	AUO	14UA	25V	70	
2N649	N	G	RCA	120	TO 1	20	18	2.5	.050A	.100W	71A	AUO	14UA	12V	65	
2N650	P	G	MOT,TAO,ETC	210	TO 5	45	30	30.0	.500A	.200W	100J	1.500B	50UA	45V	50	
2N650A	P	G	TII,ETC,MOT	210	TO 5	45	30	30.0	.500A	.200W	100J	.750B	50UA	45V	50	
2N651	P	G	MOT,ETC,TAO	210	TO 5	45	30	30.0	.500A	.200W	100J	2.000B	50UA	45V	80	
2N651A	P	G	TII,ETC,MOT	210	TO 5	45	30	30.0	.500A	.200W	100J	1.000B	50UA	45V	76	
2N652	P	G	MOT,ETC,TAO	210	TO 5	45	30	30.0	.500A	.200W	100J	2.500B	50UA	45V	120	
2N652A	P	G	TII,ETC,MOT	210	TO 5	45	30	30.0	.500A	.200W	100J	1.250B	50UA	45V	120	
2N653	P	G	MOT,ETC,TAO	210	TO 5	30	25R	25.0	.500A	.200W	100J	1.500B	15UA	30V	44	
2N654	P	G	ETC	210	TO 5	30	25R	25.0	.250A	.200W	100J	2.000B	15UA	25V	80	
2N654+	P	G	MOT,TAO	170	TO 9	30	25	15.0	.250A	.200W	100J	2.500B	15UA	25V	90	
2N655	P	G	ETC	210	TO 5	30	25R	25.0	.250A	.200W	100J	2.500B	15UA	25V	140	
2N655+	P	G	MOT,TAO	170	TO 9	30	25	15.0	.250A	.200W	100J	3.000B	15UA	25V	160	
2N656	N	S	GEC,SSP,RAY,TRW,TII,ETC	211	TO 5	60	60	8.0	.200A	.800W	200J	70.000B	10UA	20V	60	.200A
2N656A	N	S	FSC,GEC,SSP,ETC,NSC,TII	211	TO 5	60	60	8.0	.500A	.800W	200J	AUO	10UA	30V	60	
2N657	N	S	GEC,SSP,RAY,TRW,TII,ETC	211	TO 5	100	100	8.0	.200A	.800W	200J	20.000B	10UA	30V	60	.200A
2N657A	N	S	GEC,SSP,ETC,NSC,TII,TEC	211	TO 5	100	100	8.0	.500A	.800W	200J	AUO	10UA	30V	60	
2N658	P	S	TAO,TII,ETC	210	TO 5	30	18	12.0	1.000A	.200W	100J	5.000B	5UA	12V	40	
2N659	P	S	TAO,TII,ETC	210	TO 5	30	16	12.0	1.000A	.200W	100J	10.000B	5UA	12V	60	
2N660	P	G	TAO,TII,ETC	210	TO 5	30	14	12.0	1.000A	.200W	100J	15.000B	5UA	12V	100	
2N661	P	G	TAO,TII,ETC	210	TO 5	30	9	12.0	1.000A	.200W	100J	20.000B	5UA	12V	120	
2N662	P	G	TAO,TII,ETC	210	TO 5	30	14	12.0	1.000A	.200W	100J	8.000B	5UA	12V	70	
2N663	P	G	ETC,HUG	605	TO 3	50	25	20.0	4.000A	35.000W	100J	.015E	4MA	50V	50	
2N665	P	G		605	TO 3	80		40.0	5.000A	35.000W		.020E			60	.250A
2N669	P	G	OEL,MOT,BEN,ETC,HUG	605	TO 3	40		10.0	3.000A	40.000W	100J	.003E	65UA	2V	90	.500A
2N670	-P	G	PHL	172	172A	40			2.000A	.300W	85J	.500B	75UA	12V	80	
2N671	-P	G	PHL	172	TO 26	40			2.000A	1.000W	85J	.500B	75UA	12V	80	
2N672	-P	G	PHL	172	172A	25			2.000A	.300W	85J	AUO	75UA	12V	40	
2N673	-P	G	PHL	172	TO 26	25			2.000A	1.000W	85J	AUO	75UA	12V	40	
2N677	P	G	BEN,ETC,SOL,HUG	605	TO 3	50	20	10.0	15.000A	90.000W	100J	.004E	2MA	15V	40	10.000A
2N677A	P	G	BEN,ETC,SOL,HUG	605	TO 3	60	30	15.0	15.000A	90.000W	100J	.004E	2MA	25V	40	10.000A
2N677B	P	G	BEN,ETC,SOL,HUG	605	TO 3	90	60	15.0	15.000A	90.000W	100J	.004E	2MA	60V	40	10.000A
2N677C	P	G	BEN,ETC,SOL,HUG	605	TO 3	100	70	15.0	15.000A	90.000W	100J	.004E	2MA	60V	40	10.000A
2N678	P	G	BEN,ETC,SOL,HUG	605	TO 3	50	20	10.0	15.000A	90.000W	100J	.004E	2MA	15V	74	10.000A
2N678A	P	G	BEN,ETC,SOL,HUG	605	TO 3	60	30	15.0	15.000A	90.000W	100J	.004E	2MA	25V	74	10.000A
2N678B	P	G	BEN,ETC,SOL,HUG	605	TO 3	90	60	15.0	15.000A	90.000W	100J	.004E	2MA	60V	74	10.000A
2N678C	P	G	BEN,ETC,SOL,HUG	605	TO 3	100	70	15.0	15.000A	90.000W	100J	.004E	2MA	60V	74	10.000A
2N679	N	G	ETC	210	TO 5	25	20R	15.0	.200A	.150W	85J	2.000B	25UA	25V	40	.030A
2N680	P	G	ETC	210	TO 5			20.0	.100A	.150W	85J	AUO	14UA	20V	30	
2N695	-P	G	MOT	217	TO 17	15	15	3.5	.050A	.075W	100J	250.000G	3UA	6V	40	
2N696	N	S	GEC,ITT,TII,AEI,GIC,RAY	211	TO 5	60	40R	5.0		.600W	175A	40.000G	1UA	30V	30	.150A
2N697	N	S	GEC,ITT,TII,AEI,GIC,RAY	211	TO 5	60	40R	5.0		.600W	175A	40.000G	1UA	30V	80	.150A
2N698	N	S	AEI,GEC,RAY,TII,TRW,SES	211	TO 5	120	60	7.0		.800W	200A	40.000G	5NA	75V	30	
2N699	N	S	GEC,TRW,TII,AEI,GIC,RCA	211	TO 5	120	80R	5.0		.600W	175A	40.000G	2UA	60V	80	.150A
2N699A	N	S	RAY,NSC,ETC,HUG	211	TO 5	120	80R	5.0		.800W	175J	50.000G	5UA	60V	80	
2N699B	N	S	TRW,RAY	211	TO 5	120	80	7.0		.800W	200J	60.000G	10NA	90V	80	.010A
2N700	P	G	MOT	217	TO 17	25	20	.2	.050A	.075W	100J	500.000G	2UA	6V	10	
2N700/18	-P	G	SYL	217	TO 72	25	20	.2	.050A	.075W	100J	270.000G	2UA	6V	6	
2N700A	P	G	MOT	217	TO 17	25	25	.2	.050A	.075W	100J	1000.000G	2UA	6V	50	
2N702	N	S	TII,TRW,NSC,MOT	210	TO 18	25	25	5.0	.050A	.300W	175J	150.000G	500NA	10V	40	
2N703	N	S	TII,TRW,GIC,NSC,MOT,FSC	210	TO 18	25	25	5.0	.050A	.300W	175J	150.000G	500NA	10V	70	
2N705	P	G	MOT,TII	211	TO 18	15	15S	3.5	.050A	.300W	100A	300.000B	3UA	5V	40	
2N706	N	S	ITT,GEC,HUG,RCA,RAY,MOT	211	TO 18	25	20R	3.0	.200A	.300W	175A	200.000G	5UA	15V	40	.010A
2N706/46	-N	S	SYL	210	TO 46	25	20R	3.0	.200A		175J	200.000G	500NA	15V	40	
2N706/51	-N	S	SYL	909	TO 51	25	20R	3.0	.200A		175J	200.000G	500NA	15V	40	
2N706A	N	S	AEI,ITT,GEC,RCA,SES,ETC	211	TO 18	25	15R	5.0	.200A	.300W	175A	200.000G	5UA	15V	40	.010A
2N706A/46	-N	S	SYL	210	TO 46	25	15	5.0	.200A		175J	200.000G	500NA	15V	40	
2N706A/51	-N	S	SYL	909	TO 51	25	15	5.0	.200A		175J	200.000G	500NA	15V	40	
2N706B	N	S	RAY,ITT,MOT,GIC,TII,TEC	211	TO 18	25	15R	5.0	.200A	.300W	175A	200.000G	5UA	15V	40	.010A
2N706B/46	-N	S	SYL	210	TO 46	25	15	5.0	.200A		175J	200.000G	500NA	15V	40	
2N706B/51	-N	S	SYL	909	TO 51	25	15	5.0	.200A		175J	200.000G	500NA	15V	40	
2N706C	N	S	RAY,GIC	211	TO 18	40	15R	5.0	.200A	.360W	200A	200.000G	5UA	15V	40	.010A
2N707	N	S	MOT,ETC,FSC	211	TO 18	56	28R	4.0		.300W	175J	70.000G	5UA	15V	12	.010A
2N707A	N	S	MOT,ETC	211	TO 18	70	40	5.0		.500W	175J	70.000G	1UA	30V	22	.010A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
2N708	N	S	RAY,MOT,AEI,AMP,ITT,GEC	211	TO 18	40	15	5.0		.360W	200J	300.000G	25NA	20V	60	.010A
2N708/46	N	S	SYL	211	TO 46	40	15R	5.0		.400W	200J	300.000G	25UA	20V	80	
2N708/51	N	S	SYL	910	TO 51	40	15R	6.0		.300W	200J	300.000G	25UA	20V	80	
2N708A	N	S	GIC	210	TO 18	50	30	5.0		.360W		300.000G			70	.010A
2N709	N	S	FSC,RCA,RAY,TEC,GEC,TII	211	TO 18	15	6	4.0	.100A	.300W	200J	600.000G	50NA	5V	70	.010A
2N709A	N	S	TEC,GEC,FSC,HUG	211	TO 18	15	6	4.0		.300W	200J	800.000G	50NA	5V	60	.010A
2N710	P	G	TII	211	TO 18	15	15S	2.0	.050A	.150W	100J	300.000B	3UA	5V	40	
2N711	P	G	TII,MOT	211	TO 18	12		1.0	.100A	.150W	100J	200.000B	3UA	5V	60	.010A
2N711A	P	G	TII,MOT	211	TO 18	15	7	1.5	.100A	.150W	100J	200.000B	2UA	5V	60	.010A
2N711B	P	G	TII,MOT	211	TO 18	18	7	2.0	.100A	.150W	100J	200.000B	2UA	5V	70	.010A
2N717	N	S	GEC,TRW,RAY,TII,SES,ETC	211	TO 18	60	40R	5.0		.400W	100J	40.000G	1UA	30V	40	.150A
2N718	N	S	AMC,GEC,ITT,RAY,TII,TRW	211	TO 18	60	40R	5.0		.400W	200J	60.000G	1UA	30V	80	.150A
2N718A	N	S	GEC,TII,MOT,TRW,RCA,SES	211	TO 18	75	32R	7.0		.500W	200J	60.000G	10NA	60V	80	.150A
2N719	N	S	GEC,TRW,RAY,TII,SES,ETC	211	TO 18	120	80R	5.0		.400W	175J	40.000G	2UA	60V	40	.150A
2N719A	N	S	AMC,GEC,TII,TRW,SES,ETC	211	TO 18	120	60R	7.0		.400W	200J	40.000G	10NA	75V	40	.150A
2N720	N	S	GEC,TRW,RAY,TII,SES,ETC	211	TO 18	120	60R	7.0		.400W	175J	60.000G	2UA	60V	80	
2N720A	N	S	AMC,GEC,HUG,RAY,RCA,TRW	211	TO 18	120	80	7.0		.400W	200J	60.000G	10NA	90V	80	
2N721	P	S	RAY,TII,TEC,MOT,HUG	211	TO 18	50	50R	5.0		.400W	175J	50.000G	1UA	30V	26	.150A
2N721A	P	S	HUG	211	TO 18	50	50R	5.0		.500W	200J	50.000G	100NA	30V	26	.150A
2N722	P	S	HUG,MOT,ETC,RAY,NSC,TII	211	TO 18	50	35	5.0		.400W	175J	60.000G	1UA	30V	60	.150A
2N722A	P	S	HUG	211	TO 18	50	35	5.0		.500W	200J	60.000G	100UA	50V	50	
2N725	-P	G	GEC	211	TO 18	15		2.0	.050A	.150W	100J	600.000G	3UA	5V	40	
2N726	P	S	TII,TEC	211	TO 18	20	20	5.0		.300W	175J	200.000G	10UA	25V	30	
2N727	P	S	TII,TEC	211	TO 18	25	20	5.0		.300W	175J	140.000G	1UA	25V	74	
2N728	N	S	TEC,HUG	210	TO 18	15	15	3.0		.600W	175J	100.000G	5UA	15V	40	
2N729	N	S	TEC,HUG	210	TO 18	15	15	3.0		.600W	175J	100.000G	5UA	15V	40	
2N730	N	S	TII,ETC,RAY,NSC,TEC,HUG	211	TO 18	60	40R	5.0		.500W	175J	40.000G	1UA	30V	40	
2N731	N	S	TII,ETC,RAY,NSC,TEC,HUG	211	TO 18	60	40R	5.0		.500W	175J	50.000G	1UA	30V	80	
2N734	N	S	TII,TRW,ETC,SOL,TEC,HUG	211	TO 18	80	60	5.0	.500A	.500W	175J	60.000G	1UA	40V	40	
2N734A	N	S	SOL	211	TO 18	80	60	6.0	.050A	.400W	200J	30.000G	5NA	50V	32	.005A
2N735	N	S	TII,TRW,ETC,NSC,SOL,TEC	211	TO 18	80	60	5.0	.500A	.500W	175J	60.000G	1UA	40V	80	
2N735A	N	S	ETC,NSC,SOL,HUG	210	TO 18	80	60	6.0		.400W	200J	60.000G	5NA	50V	80	
2N736	N	S	TII,TRW,ETC,NSC,SOL,TEC	211	TO 18	80	60	5.0	.500A	.500W	175J	60.000G	1UA	40V	100	.005A
2N736A	N	S	TII,ETC,NSC,SOL	211	TO 18	80	60	8.0	.100A	.500W	175J	100.000G	500NA	40V	110	.005A
2N736B	N	S	SSD,ETC,SOL,HUG	210	TO 18	80	60	8.0		.400W	200J	100.000G	5NA	50V	130	.005A
2N738	N	S	AMC,TII,ETC,SOL,TEC	211	TO 18	125	80	5.0		.500W	175J	60.000G	1UA	40V	40	.005A
2N738A	N	S	SOL	211	TO 18	125	80	8.0	.050A	.400W	200J	30.000G	5NA	50V	32	.005A
2N739	N	S	AMC,TII,ETC,SOL,TEC,MOT	211	TO 18	125	80	5.0		.500W	175J	60.000G	1UA	40V	80	.005A
2N739A	N	S	SOL,HUG	210	TO 18	125	80	8.0		1.800W	200J	60.000G	5NA	80V	60	.005A
2N740	N	S	AMC,TII,ETC,SOL,SSO,TEC	211	TO 18	125	80	5.0		.500W	175J	60.000G	1UA	40V	130	.005A
2N740A	N	S	SSO,SOL,HUG	210	TO 18	125	80	8.0		.500W	200J	100.000G	5NA	80V	120	.005A
2N741	P	G	MOT	211	TO 18	15	15	1.0	.100A	.150W	100J	300.000G	3UA	6V	24	
2N741A	P	G	MOT	211	TO 18	20	20	1.0	.100A	.150W	100J	300.000G	3UA	6V	24	
2N742	N	S	NSC,ETC	210	TO 18	60		8.0		.500W	200J	100.000G	100NA	20V	50	
2N743	N	S	ITT,TII,GEC,GIC,AMP,SES	211	TO 18	20	12	5.0	.200A	.300W	175J	300.000G	1UA	20V	40	.010A
2N743A	N	S	GEC,RAY	211	TO 18	40	15	5.0		.360W	200J	500.000G	1UA	20V	40	.010A
2N744	N	S	ITT,RAY,TII,GEC,GIC,MOT	211	TO 18	20	12	5.0	.200A	.300W	175J	300.000G	1UA	20V	80	.010A
2N744A	N	S	GEC,RAY	211	TO 18	40	15	5.0		.360W	200J	500.000G	1UA	20V	60	.010A
2N753	N	S	AEI,GEC,ITT,TII,MOT,GIC	211	TO 18	25	15	5.0	.050A	.300W	175J	200.000G	10UA	25V	80	.010A
2N754	N	S	TEC,HUG	210	TO 18	60	80			.300W		35.000G	1UA	60V	40	.005A
2N755	N	S	TEC,HUG	210	TO 18	100	80			.300W		35.000G	1UA	100V	40	.005A
2N756	N	S	SOL,TEC,HUG	210	TO 18	45	45	6.0		.500W	200J	50.000G	200NA		17	.001A
2N756A	N	S	SOL,TEC	210	TO 18	60	60	6.0		.500W	200J	50.000G	100NA		17	.001A
2N757	N	S	SOL,TEC,HUG	210	TO 18	45	45	6.0		.500W	200J	50.000G	200NA		28	.001A
2N757A	N	S	SOL,TEC,HUG	210	TO 18	60	60	6.0		.500W	200J	50.000G	100NA		28	.001A
2N758	N	S	SOL,TEC,HUG	210	TO 18	45	45	8.0		.500W	200J	50.000G	200NA		40	.001A
2N758A	N	S	SOL,TEC,HUG	210	TO 18	60	60	8.0		.500W	200J	50.000G	100NA		40	.001A
2N758B	N	S	SOL,HUG	211	TO 18	60	60	8.0	.100A	.400W	200J	50.000G	5NA	45V	18	.001A
2N759	N	S	AEI,GEC,NSC,TII,SOL,TEC	211	TO 18	45	45	8.0	.100A	.500W	200J	50.000B	2UA	30V	50	.001A
2N759A	N	S	TII,NSC,SOL,SSD,TEC,HUG	211	TO 18	60	60	8.0	.100A	.500W	200J	50.000B	100NA	30V	50	.001A
2N759B	N	S	SOL,HUG	210	TO 18	60	60	8.0		.500W	200J	50.000B	5NA	45V	45	
2N760	N	S	AEI,AMC,GEC,NSC,TII,RAY	211	TO 18	45	45	8.0		.500W	200J	50.000B	200NA	30V	100	
2N760A	N	S	AMC,TII,RAY,ITT,NSC,SOL	211	TO 18	60	60	8.0		.500W	200J	50.000G	100NA	30V	150	
2N760B	N	S	SSD,SOL,HUG	210	TO 18	60	60	8.0		.500W	200J	50.000B	5NA	45V	150	
2N761	N	S	NSC	210	TO 5	50	30	6.0	.100A	.500W	200J	5.000B	200NA	50V	36	
2N762	N	S	NSC	210	TO 5	50	30	6.0	.100A	.500W	200J	5.000B	200NA	50V	400	
2N768	P	G	SPR,HUG	210	TO 18	12	10	1.5	.100A	.035W	100J	125.000G	3UA	5V	40	
2N769	P	G	SPR,HUG	210	TO 18	12	7	2.0	.100A	.035W	100J	500.000G	3UA	5V	50	
2N779A	P	G	SPR,MOT,HUG	210	TO 18	15	15S	2.0	.100A	.060W	100J	320.000G	3UA	5V	120	
2N780	N	S	AMC,TII,ETC	211	TO 18	45	45	5.0		.300W	175J	60.000G	10NA	40V	70	
2N781	-P	G	SYL	211	TO 18	15		2.5	.200A	.150W	100J		3UA	5V	50	
2N782	-P	G	SYL	211	TO 18	12		1.0	.200A	.150W	100J	HS SW	3UA	5V	40	
2N783	N	S	ITT,ETC,RAY	211	TO 18	40	20R	5.0	.200A	.300W	175J	200.000G	250NA	25V	40	.010A
2N784	N	S	RAY,ITT,ETC,FSC,HUG	211	TO 18	30	15R	5.0	.200A	.300W	175J	200.000G	250NA	25V	50	.010A
2N784A	N	S	RAY,ETC	211	TO 18	40	15R	5.0	.200A	.360W	200J	300.000G	25NA	25V	70	.010A
2N784A/46	-N	S	SYL	211	TO 46	40	15	5.0	.200A	.350W	200J	200.000G	25NA	25V	70	
2N784A/51	-N	S	SYL	910	TO 51	40	15	5.0	.200A	.300W	200J	200.000G	25NA	25V	70	
2N794	P	G	SPR,HUG	210	TO 18	13	12	1.0	.100A	.120W	100J	25.000G	1UA	6V	60	.010A
2N795	P	G	SPR,HUG	210	TO 18	13	12	4.0	.100A	.120W	100J	35.000G	3UA	6V	60	
2N796	P	G	SPR,HUG	210	TO 18	13	12	4.0	.100A	.120W	100J	25.000G	3UA	6V	100	
2N797	N	G	TII	211	TO 18	20	7	4.0	.150A	.150W	100J	600.000G	1UA	10V	80	
2N799	-P	G	RAY	295	295A	25		12.0	.100A	.075W	85J	4.000B	5UA	12V	40	
2N800	-P	G	RAY	315	315A	25		12.0	.100A	.075W	85J	4.000B	5UA	12V	40	
2N801	-P	G	RAY	295	295A	30	18	20.0	.400A	.075W	85J	3.000B	25UA	30V	20	
2N802	-P	G	RAY	315	315A	30	18	20.0	.400A	.075W	85J	3.000B	25UA	30V	20	
2N803	-P	G	RAY	295	295A	30	15	20.0	.400A	.075W	85J	5.000B	25UA	30V	22	
2N804	-P	G	RAY	315	315A	30	15	20.0	.400A	.075W	85J	5.000B	25UA	30V	24	
2N805	-P	G	RAY	295	295A	30	12	20.0	.400A	.075W	85J	10.000B	25UA	30V	34	
2N806	-P	G	RAY	315	315A	30	12	20.0	.400A	.075W	85J	10.000B	25UA	30V	34	
2N807	-P	G	RAY	295	295A	25	14	12.0	.100A	.075W	85J	14.000B	5UA	12V	70	
2N808	-P	G	RAY	315	315A	25	14	12.0	.100A	.075W	85J	7.000B	5UA	12V	60	
2N809	-P	G	RAY	295	295A	30	15	20.0	.200A	.075W	85J	7.000B	5UA	12V	60	
2N810	-P	G	RAY	315	315A	30	15	20.0	.200A	.075W	85J	10.000B	5UA	12V	80	
2N811	-P	G	RAY	295	295A	30	12	20.0	.200A	.075W	85J	10.000B	5UA	12V	80	
2N812	-P	G	RAY	315	315A	30	12	20.0	.200A	.075W	85J	20.000B	5UA	12V	140	
2N813	-P	G	RAY	295	295A	30	10	20.0	.200A	.075W	85J	20.000B	5UA	12V	140	
2N814	-P	G	RAY	315	315A	30	10	20.0	.200A	.075W	85J	5.000B	10UA	25V	70	
2N815	-N	G	RAY	295	295A	25	20	15.0	.200A	.075W	85J	5.000B	10UA	25V	70	
2N816	-N	G	RAY	315	315A	25	20	15.0	.200A	.075W	85J	2.500B	10UA	25V	30	
2N817	-N	G	RAY	295	295A	30	25	25.0	.200A	.075W	85J	2.500B	10UA	25V	30	
2N818	-N	G	RAY	315	315A	30	25	25.0	.200A	.075W	85J	5.000B	10UA	25V	50	
2N819	-N	G	RAY	295	295A	30	20	25.0	.400A	.075W	85J	5.000B	10UA	25V	50	
2N820	-N	G	RAY	315	315A	30	20	25.0	.400A	.075W	85J	10.000B	10UA	25V	70	
2N821	-N	G	RAY	295	295A	30	15	25.0	.400A	.075W	85J	10.000B	10UA	25V	70	
2N822	-N	G	RAY	315	315A	30	15	25.0	.400A	.075W	85J					
2N823	-N	G	RAY	295	295A	25	24	12.0	.100A	.075W	85J	4.000B	5UA	12V	70	
2N824	-N	G	RAY	315	315A	25	24	12.0	.100A	.075W	85J	4.000B	5UA	12V	70	
2N825	-P	G	RAY	295	295A	30	20	20.0	.200A	.075W	85J	5.000B	6UA	20V	30	
2N826	-P	G	RAY	315	315A	30	20	20.0	.200A	.075W	85J	5.000B	6UA	20V	30	

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ceo}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{FE} @	I_c
2N827	P	G	MOT	210	TO 18	20	10X	4.0	.100A	.150W	100J	250.000G	5UA	15V	150	.010A
2N828	P	G	MOT	211	TO 18	15		2.5	.200A	.150W	100J	300.000G	3UA	6V	40	
2N828A	P	G	MOT	211	TO 18	15	6	2.5	.200A	.150W	100J	300.000G	3UA	6V	38	.150A
2N829	P	G	MOT	211	TO 18	15	6	2.5	.200A	.150W	100J	300.000G	3UA	6V	75	.150A
2N834	N	S	AEI,ITT,RCA,SES,MOT,GIC	211	TO 18	40	30	5.0	.200A	.300W	175J	350.000G	5UA	20V	40	.010A
2N834A	N	S	ITT,RAY,GIC,FSC	211	TO 18	40	30S	5.0	.200A	.360W	200J	500.000G	500NA	20V	37	.010A
2N835	N	S	ITT,MOT,GIC,RAY,TEC,HUG	211	TO 18	25	20	3.0	.200A	.300W	175J	300.000G	5UA	20V	40	.010A
2N837	P	G	HUG	211	TO 18	12	6	1.0	.100A	.150W	150C		3UA	6V	45	.010A
2N838	P	G	MOT	210	TO 18	30	15S	2.5	.100A	.150W	100J	450.000G	10UA	15V	70	.010A
2N839	N	S	ETC,TEC,HUG	210	TO 18	45	45	2.0		.300W	175J	30.000G	1UA	45V	27	.010A
2N840	N	S	ETC,TEC,MOT,HUG	210	TO 18	45	45	2.0		.300W	175J	30.000G	1UA	45V	55	.010A
2N841	N	S	ETC,TEC,MOT,HUG	210	TO 18	45	45	2.0		.300W	175J	40.000G	1UA	45V	160	.010A
2N842	N	S	TEC,HUG	211	TO 18	45	45	2.0	.050A	.300W	175A	30.000G	1UA	45V	34	.010A
2N843	N	S	TEC,HUG	211	TO 18	45	45	2.0	.050A	.300W	175A	40.000G	1UA	45V	83	.010A
2N846A	P	G	SPR,HUG	210	TO 18	15	15S	2.0	.100A	.060W	100J	320.000G	3UA	5V	60	
2N849	N	S	TII	910	TO 50	25	15	5.0	.050A	.300W	175J	200.000G	500NA	15V	40	
2N850	N	S	TII	910	TO 50	25	15	5.0	.050A	.300W	175J	200.000G	500NA	15V	80	
2N851	N	S	TII	910	TO 50	20	12	5.0	.200A	.300W	175J	280.000G	1UA	20V	40	
2N852	N	S	TII	910	TO 50	20	12	5.0	.200A	.300W	175J	280.000G	1UA	20V	80	
2N858	P	S	SPR,HUG	210	TO 18	40	40	25.0	.050A	.150W	140J	5.000G	100NA	15V	26	.005A
2N859	P	S	SPR,HUG	210	TO 18	40	40	25.0	.050A	.150W	140J	6.000G	100NA	15V	60	.005A
2N860	P	S	SPR,HUG	210	TO 18	25	25	20.0	.050A	.150W	140J	6.500G	100NA	10V	20	.005A
2N861	P	S	SPR,HUG	210	TO 18	25	25	20.0	.050A	.150W	140J	7.500G	100NA	10V	36	.005A
2N862	P	S	SPR,HUG	210	TO 18	15	15	10.0	.050A	.150W	140J	8.000G	100NA	10V	24	.005A
2N863	P	S	SPR,HUG	210	TO 18	15	15	10.0	.050A	.150W	140J	10.000G	100NA	10V	60	.005A
2N864	P	S	SPR,HUG	210	TO 18	6	6	6.0	.050A	.150W	140J	16.000G	100NA	6V	50	.005A
2N865	P	S	SPR,HUG	210	TO 18	15	15	10.0	.050A	.150W	140J	24.000G	100NA	10V	84	.005A
2N869	P	S	MOT,GIC,TEC,HUG	211	TO 18	25	18	5.0		.360W	200J	150.000G	10NA	15V	40	
2N869A	P	S	RAY,FSC,MOT,HUG	211	TO 18	25	18	5.0		.360W	200J	400.000G			70	.030A
2N870	N	S	AMC,TII,TRW,GEC,SES,ETC	211	TO 18	100	60	7.0		.500W	200J	50.000G	10NA	75V	80	.150A
2N871	N	S	AMC,RAY,TII,TRW,GEC,SES	211	TO 18	100	60	7.0		.500W	200J	60.000G	10NA	75V	160	.150A
2N909	N	S	TRW,TEC,FSC,HUG	211	TO 18	60	30R	5.0		.400W	175J	50.000G	1UA	30V	200	.050A
2N910	N	S	AMC,GEC,RAY,TII,TRW,TEC	211	TO 18	100	60	7.0		.500W	200J	60.000G	25NA	75V	130	.010A
2N911	N	S	AMC,GEC,RAY,TII,TRW,TEC	211	TO 18	100	60	7.0		.500W	200J	50.000G	25NA	75V	70	.010A
2N912	N	S	AMC,GEC,RAY,TII,TRW,TEC	211	TO 18	100	60	7.0		.500W	200J	40.000G	25NA	75V	30	.010A
2N914	N	S	AEI,MOT,GEC,ITT,TII,GIC	211	TO 18	40	15	5.0		.360W	200J	300.000G	25NA	20V	60	.010A
2N914/46	-N	S	SYL	211	TO 46	40	15	5.0		.400W	200J	30.000G	25NA	20V	60	
2N914/51	-N	S	SYL	910	TO 51	40	15	5.0		.300W	200J	300.000G	25NA	20V	60	
2N915	N	S	AEI,GEC,RAY,ETC,TII,MOT	211	TO 18	70	50	5.0		.360W	200J	250.000G	10NA	60V	100	.010A
2N916	N	S	AEI,RAY,TII,TRW,MOT,HUG	211	TO 18	45	25	5.0		.360W	200J	300.000G	10NA	30V	100	.010A
2N916A	N	S	HUG	211	TO 18	45	25	5.0		.360W	200J	300.000G	10NA	30V	90	.010A
2N917	N	S	AMC,RAY,ITT,TII,SES,RCA	217	TO 72	30	15	3.0		.360W	200J	300.000G	10NA	30V	40	.003A
2N917A	N	S	RAY	217	TO 72	30	15	3.0		.200W	200J	500.000G	1NA	15V	70	.003A
2N918	N	S	GEC,RAY,TII,RCA,FSC,MOT	217	TO 72	30	15	3.0		.200W	200J	600.000G	1NA	15V	40	.003A
2N918/51	-N	S	SYL	909	TO 51	30	15	3.0	.050A	.200W	200J	600.000G	10NA	15V	40	
2N919	-N	S	CLE	211	TO 18	25	15	5.0	.050A	.200W	200J	600.000G	10NA	15V	40	
2N920	-N	S	CLE	211	TO 18	25	15	5.0	.220A	.680W	200J	200.000G	20NA	15V	40	
2N921	-N	S	CLE	211	TO 18	25	15	5.0	.220A	.680W	200J	200.000G	20NA	15V	80	
2N922	-N	S	CLE	211	TO 18	50	20	5.0	.220A	.680W	200J	200.000G	20NA	15V	40	
2N923	P	S	SOL,HUG	210	TO 18	50	20	5.0	.220A	.680W	200J	200.000G	20NA	15V	80	
2N924	P	S	SOL,HUG	210	TO 18	40	25	40.0	.100A	.250W	200J	.800B	25NA	40V	20	.001A
2N925	P	S	SOL,HUG	210	TO 18	40	25	40.0	.100A	.250W	200J	.800B	25NA	40V	40	.001A
2N926	P	S	SOL,HUG	210	TO 18	50	40	50.0	.100A	.250W	200J	.800B	25NA	50V	18	.001A
2N927	P	S	SOL,HUG	210	TO 18	50	40	50.0	.100A	.250W	200J	.800B	25NA	50V	36	.001A
2N928	P	S	SOL,HUG	210	TO 18	70	60	70.0	.100A	.250W	200J	.800B	25NA	70V	16	.001A
2N929	N	S	AMC,FSC,GEC,RAY,TII,GIC	210	TO 18	70	60	70.0	.100A	.250W	200J	.800B	25NA	70V	56	.001A
2N929A	N	S	SSD,RAY,GIC,NSC,TII,SOL	211	TO 18	45	45	5.0	.030A	.300W	175J	1.000G	10NA	45V	80	.001A
2N930	N	S	AMC,FSC,ITT,SES,AEI,TII	211	TO 18	60	45	6.0	.030A	.500W	200J	45.000G	2NA	45V	80	.001A
2N930A	N	S	SSD,RAY,NSC,GIC,TII,SOL	211	TO 18	45	45	5.0	.030A	.300W	175J	1.000G	10NA	45V	200	.001A
2N930B	N	S	RAY,SOL	211	TO 18	60	45	6.0	.030A	.500W	200J	45.000G	2NA	45V	200	.001A
2N935	N	S	SSD,SOL,HUG	211	TO 18	60	45	6.0		.500W	200J	45.000G	100NA	45V	200	.001A
2N936	N	S	SSD,SOL,HUG	210	TO 18	50	40	20.0	.050A	.250W	160J	.200B	100NA	30V	10	.001A
2N937	N	S	SSD,SOL,HUG	210	TO 18	50	35	20.0	.051A	.250W	160J	.300B	100NA	30V	18	.001A
2N938	N	S	SSD,SOL,HUG	210	TO 18	50	30	20.0	.050A	.250W	160J	.500B	100NA	30V	36	.001A
2N939	N	S	SSD,SOL,HUG	210	TO 18	40	35	40.0	.050A	.250W	175J	1.000B	25NA	35V	10	
2N940	N	S	SSD,SOL,HUG	210	TO 18	40	35	40.0	.050A	.250W	175J	2.000B	25NA	35V	18	
2N941	P	S	SSD,SOL,HUG	210	TO 18	40	35	40.0	.050A	.250W	175J	2.000B	25NA	35V	36	
2N942	P	S	SSD,SOL,HUG	210	TO 18	25	8	25.0	.050A	.250W	175J	16.000G	2NA	4V	10	.001A
2N943	P	S	SSD,SOL,HUG	210	TO 18	25	8	25.0	.050A	.250W	175J	10.000G	2NA	4V	10	.001A
2N944	P	S	SSD,HUG	210	TO 18	40	18	40.0	.050A	.250W	175J	1.000B	5NA	30V	10	.001A
2N945	P	S	SSD,SOL,HUG	210	TO 18	40	18	40.0	.050A	.250W	175J	1.000B	5NA	30V	10	.001A
2N946	P	S	SSD,SOL,HUG	210	TO 18	50	50	50.0	.050A	.250W	175J	1.000B	5NA	40V	10	.001A
2N947	N	S	HUG	211	TO 18	80	80	80.0	.050A	.250W	175J	1.000B	5NA	60V	10	.001A
2N955	-N	G	RCA	211	TO 18	20	15R	3.0	.100A	.360W	150C	200.000G	1UA	15V	45	.010A
2N955A	-N	G	RCA	211	TO 18	12	8	2.0	.100A	.150W	100J	500.000G	5UA	5V	50	
2N956	N	S	AMC,RAY,TII,MOT,TRW,GEC	211	TO 18	12	8	2.0	.100A	.150W	100J	500.000G	5UA	5V	50	
2N957	N	S	TRW,RAY,TEC,HUG	211	TO 18	75	50R	7.0		.500W	200J	70.000G	10NA	60V	150	
2N960	P	G	MOT,TII	211	TO 18	40	20	5.0		.250W	150A	200.000G	5UA	20V	80	.010A
2N961	P	G	MOT,TII	211	TO 18	15	7	2.5	.300A	.150W	100J	300.000G	3UA	6V	40	
2N962	P	G	MOT,TII	211	TO 18	12	7	2.0	.300A	.150W	100J	300.000G	3UA	6V	40	
2N963	P	G	MOT,TII	211	TO 18	12	7	1.2	.300A	.150W	100J	300.000G	3UA	6V	40	
2N964	P	G	MOT,TII,HUG	211	TO 18	12	7	1.2	.100A	.150W	100J	250.000G	5UA	6V	40	
2N964A	P	G	MOT	210	TO 18	15	7	2.5	.300A	.150W	100J	300.000G	3UA	6V	80	
2N965	P	G	MOT,TII	211	TO 18	15	15	2.5	.100A	.150W	100J	300.000G	3UA	6V	95	.100A
2N966	P	G	MOT,TII	211	TO 18	12	7	2.0	.300A	.150W	100J	300.000G	3UA	6V	80	
2N967	P	G	MOT,TII	211	TO 18	12	7	1.2	.300A	.150W	100J	300.000G	3UA	6V	80	
2N968	P	G	MOT,TII	211	TO 18	12	7	1.2	.100A	.150W	100J	250.000G	5UA	6V	80	
2N969	P	G	MOT,TII	211	TO 18	15	15S	2.5	.200A	.150W	100J	300.000G	3UA	6V	40	.025A
2N970	P	G	MOT,TII	211	TO 18	12	12S	2.0	.200A	.150W	100J	300.000G	3UA	6V	40	.025A
2N971	P	G	MOT,TII	211	TO 18	12	12S	1.2	.200A	.150W	100J	300.000G	3UA	6V	40	.025A
2N972	P	G	MOT,TII	211	TO 18	7	7S	1.2	.200A	.150W	100J	300.000G	10UA	6V	40	.025A
2N973	P	G	MOT,TII	211	TO 18	15	15S	2.5	.200A	.150W	100J	300.000G	100UA	15V	80	.025A
2N974	P	G	MOT,TII	211	TO 18	12	12S	2.0	.200A	.150W	100J	300.000G	100UA	12V	80	.025A
2N975	P	G	MOT,TII	211	TO 18	12	12S	1.2	.200A	.150W	100J	300.000G	100UA	12V	80	.025A
2N976	P	G	SPR,HUG	211	TO 18	7	7S	1.2	.200A	.150W	100J	300.000G	100UA	7V	80	.025A
2N978	P	S	TEC,HUG	210	TO 18	15	10	2.0	.100A	.100W	100J	500.000G	3UA	5V	50	
2N979	P	G	SPR,HUG	211	TO 18	30	20	5.0		.600W	150A	40.000G	5UA	10V	30	
2N980	P	G	SPR,HUG	210	TO 18	20	15	2.0	.100A	.060W	100J	100.000G	3UA	5V	50	
2N982	P	G	SPR,HUG	210	TO 18	20	12	2.0	.100A	.060W	100J	100.000G	5UA	5V	50	
2N983	P	G	SPR,HUG	210	TO 18	20	15	2.0	.100A	.060W	100J	225.000G	3UA	5V	100	
2N984	P	G	SPR,HUG	210	TO 18	15	15	2.0	.100A	.060W	100J	225.000G	3UA	5V	80	
2N985	P	G	TII,MOT	210	TO 18	15	10	2.0	.100A	.060W	100J	170.000G	5UA	5V	60	
2N987	P	G	AMP	211	TO 18	15	7	3.0	.200A	.300W	100J	300.000G	3UA	5V	90	.100A
2N988	N	S	TRW	217	TO 72	40	40	1.0	.010A	.086W	90J	100.000G	8UA	6V	120	
2N989	N	S	TRW	210	TO 18	20	15	3.0	.200A	.300W	200J	300.000G	500NA	15V	52	.010A
2N990	P	G	AMP	210	TO 18	20	10	3.0	.200A	.300W	200J	300.000G	500NA	15V	52	.010A
2N993	P	G	AMP	218	TO 72	32	32	1.0	.010A	.067W	75J	44.000G	8UA	6V	140	
2N995	P	S	MOT,TII,GIC,TEC,HUG	218	TO 72	32	32	1.0	.010A	.067W	75J	44.000G	8UA	6V	140	
2N996	P	S	GIC,TEC,HUG	211	TO 18	20	15	4.0		.360W	200J	100.000G	5NA	15V	70	.020A
				211	TO 18	15	12	4.0		.360W	200J	100.000G	5NA	10V	70	.020A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N1000	N	G	ETC	210	TO 5	40	30R	40.0	.200A	.150W	100J	7.000B	15UA	40V	50	.100A
2N1005	-N	S	TII	210	TO 5	15	15	.5		.125W	150J	50.000G	1UA	10V	30	
2N1006	-N	S	TII	210	TO 5	15	15	.5		.125W	150J	50.000G	1UA	10V	80	
2N1007	-P	G	SYL	605	TO 3	40	35R		3.000A	25.000W	95J	.005E	2MA	15V	40	
2N1008	P	G	MOT,ETC	210	TO 5	20	15R	15.0	.300A	.165W	85J	.025E	10UA	10V	90	
2N1008A	P	G	ETC,MOT	210	TO 5	40	35R	15.0	.300A	.165W	85J	.025E	10UA	25V	100	
2N1008B	P	G	MOT,ETC	210	TO 5	60	55R	15.0	.300A	.165W	85J	.025E	15UA	45V	90	
2N1010	N	G	ETC	210	TO 5	10	10	10.0	.020A	.040W	85J	2.000B	10UA	10V	35	
2N1010+	N	G	RCA	120	TO 1	10	10	10.0	.002A	.020W	55A	2.000B	10UA	10V	36	
2N1011	P	G	DEL,MOT,BEN,ETC,HUG	605	TO 3	80	40	40.0	5.000A	60.000W	95A	.005E	15MA	80V	70	3.000A
2N1012	N	G	ETC,GIC	210	TO 5	40	22	30.0		.150W	85J	3.000B	5UA	5V	80	.100A
2N1014	-P	G	RCA	605	TO 3	100	65	60.0	10.000A	50.000W	100J	.005E	500UA	30V	14	2.000A
2N1015	N	S	AMF,STC,WHE,SPC,HUG	412	TO 82	30	30S	25.0	7.500A	175.000W	150J	.020E	20MA	30V	14	2.000A
2N1015A	N	S	AMF,STC,WHE,SPC,HUG	412	TO 82	60	60S	25.0	7.500A	175.000W	150J	.020E	20MA	60V	14	2.000A
2N1015B	N	S	AMF,STC,WHE,SPC,HUG	412	TO 82	100	100S	25.0	7.500A	175.000W	150J	.020E	20MA	100V	14	2.000A
2N1015C	N	S	AMF,STC,WHE,SPC,HUG	412	TO 82	150	150S	25.0	7.500A	175.000W	150J	.020E	20MA	150V	14	2.000A
2N1015D	N	S	WHE,STC,SPC,HUG	412	TO 82	200	200	25.0	7.500A	150.000W	150J	.025E	20MA	200V	14	2.000A
2N1015E	N	S	WHE,STC,SPC,HUG	412	TO 82	250	250	25.0	7.500A	150.000W	150J	.025E	20MA	250V	14	2.000A
2N1016	N	S	WHE,STC,SPC,HUG	412	TO 82	30	30	25.0	7.500A	150.000W	150J	.030E	20MA	30V	18	5.000A
2N1016A	N	S	WHE,STC,SPC,HUG	412	TO 82	60	60	25.0	7.500A	150.000W	150J	.030E	20MA	60V	18	5.000A
2N1016B	N	S	WHE,STC,SPC,HUG	412	TO 82	100	100	25.0	7.500A	150.000W	150J	.030E	20MA	100V	18	5.000A
2N1016C	N	S	WHE,STC,SPC,HUG	412	TO 82	150	150	25.0	7.500A	150.000W	150J	.030E	20MA	150V	18	5.000A
2N1016D	N	S	WHE,STC,SPC,HUG	412	TO 82	200	200	25.0	7.500A	150.000W	150J	.030E	20MA	200V	18	5.000A
2N1016E	N	S	WHE,STC,SPC,HUG	412	TO 82	250	250	25.0	7.500A	150.000W	150J	.030E	20MA	250V	18	5.000A
2N1017	P	G	ETC	210	TO 5	30	10	20.0	.400A	.150W	100J	20.000B	25UA	30V	40	
2N1018	P	G	ETC	210	TO 5	30	8R	20.0		.150W	100J	15.000B	25UA	30V	30	
2N1021	P	G	DEL,BEN,MOT,TII,ETC,HUG	605	TO 3	100	50	20.0	5.000A	85.000W	100J	.200G	2MA	100V	60	5.000A
2N1021A	P	G	DEL,TII,BEN,ETC,HUG	605	TO 3	100	50	30.0	7.000A	100.000W	100J	.200G	2MA	100V	60	5.000A
2N1022	P	G	DEL,BEN,MOT,TII,ETC,HUG	605	TO 3	120	50	20.0	5.000A	85.000W	100J	.200G	2MA	120V	60	5.000A
2N1022A	P	G	DEL,TII,BEN,ETC,HUG	605	TO 3	120	50	30.0	7.000A	100.000W	100J	.200G	2MA	120V	60	5.000A
2N1023	P	G	RCA	128	TO 44	40		.5	.010A	.120W	100J	30.000B	12UA	12V	70	
2N1024	P	S	SSD,NSC,SOL,HUG	210	TO 5	18	15	18.0	.100A	.250W	175J	1.000G	25NA	18V	20	.001A
2N1025	P	S	SSD,NSC,SOL,HUG	210	TO 5	40	35	40.0	.100A	.250W	175J	1.000G	25NA	40V	15	.001A
2N1026	P	S	SSD,NSC,SOL,HUG	210	TO 5	40	35	40.0	.100A	.250W	175J	2.000G	25NA	40V	30	.001A
2N1026A			SEE 2N1469													
2N1027	P	S	SSD,SOL,HUG	210	TO 5	18	15	18.0	.100A	.250W	175J	4.000B	25NA	15V	36	.001A
2N1028	P	S	SSD,SOL,HUG	210	TO 5	12	10	12.0	.100A	.250W	175J	2.000B	25NA	10V	26	.001A
2N1031	P	G	BEN,ETC,SOL,HUG	607	TO 41	50	20		15.000A	90.000W	100J	.004E	2MA	15V	40	10.000A
2N1031A	P	G	BEN,ETC,SOL,HUG	607	TO 41	60	30		15.000A	90.000W	100J	.004E	2MA	25V	40	10.000A
2N1031B	P	G	BEN,ETC,SOL,HUG	607	TO 41	90	60		15.000A	90.000W	100J	.004E	2MA	60V	40	10.000A
2N1031C	P	G	BEN,ETC,SOL,HUG	607	TO 41	100	70		15.000A	90.000W	100J	.004E	2MA	100V	40	10.000A
2N1032	P	G	BEN,ETC,SOL,HUG	607	TO 41	50	20		15.000A	90.000W	100J	.004E	2MA	15V	74	10.000A
2N1032A	P	G	BEN,ETC,SOL,HUG	607	TO 41	60	30		15.000A	90.000W	100J	.004E	2MA	25V	74	10.000A
2N1032B	P	G	BEN,ETC,SOL,HUG	607	TO 41	90	60		15.000A	90.000W	100J	.004E	2MA	60V	74	10.000A
2N1032C	P	G	BEN,ETC,SOL,HUG	607	TO 41	100	70		15.000A	90.000W	100J	.004E	2MA	60V	74	10.000A
2N1034	P	S	SSD,NSC,SOL	210	TO 5	50	40	20.0	.050A	.250W	160J	.150B	1UA	30V	150	.001A
2N1035	P	S	SSD,NSC,SOL	210	TO 5	50	35	20.0	.050A	.250W	160J	.200B	1UA	30V	40	.001A
2N1036	P	S	SSD,NSC,SOL	210	TO 5	50	30	20.0	.050A	.250W	160J	.300B	1UA	30V	120	.001A
2N1037	P	S	SSD,SOL	210	TO 5	50	35	20.0	.050A	.250W	160J	.150B	1UA	30V	40	.001A
2N1038	P	G	BEN,TII,MOT,HUG	211	TO 5	40	30	20.0	3.000A	.400W	100J	.008E	125UA	20V	36	1.000A
2N1038-1	P	G	BEN	541	541B	40	30	20.0	3.000A	20.000W	100J	.008E	125UA	20V	36	1.000A
2N1038-2	P	G	BEN	541	541A	40	30	20.0	3.000A	20.000W	100J	.008E	125UA	20V	36	1.000A
2N1039	P	G	BEN,TII,MOT	211	TO 5	60	40	20.0	3.000A	.400W	100J	.008E	125UA	30V	36	1.000A
2N1039-1	P	G	BEN	541	541B	60	40	20.0	3.000A	20.000W	100J	.008E	125UA	30V	36	1.000A
2N1039-2	P	G	BEN	541	541A	60	40	20.0	3.000A	20.000W	100J	.008E	125UA	30V	36	1.000A
2N1040	P	G	BEN,TII,MOT	211	TO 5	80	50	20.0	3.000A	.400W	100J	.008E	125UA	40V	36	1.000A
2N1040-1	P	G	BEN	541	541B	80	50	20.0	3.000A	20.000W	100J	.008E	125UA	40V	36	1.000A
2N1040-2	P	G	BEN	541	541A	80	50	20.0	3.000A	20.000W	100J	.008E	125UA	40V	36	1.000A
2N1041	P	G	BEN,TII,MOT	211	TO 5	100	60	20.0	3.000A	.400W	100J	.008E	125UA	50V	36	1.000A
2N1041-1	P	G	BEN	541	541B	100	60	20.0	3.000A	20.000W	100J	.008E	125UA	50V	36	1.000A
2N1041-2	P	G	BEN	541	541A	100	60	20.0	3.000A	20.000W	100J	.008E	125UA	50V	36	1.000A
2N1042	P	G	BEN,TII,MOT	211	TO 5	40	30	20.0	3.000A	.400W	100J	.250G	125UA	20V	36	1.000A
2N1042-1	P	G	BEN	541	541B	40	30	20.0	3.000A	20.000W	100J	.008E	125UA	20V	36	1.000A
2N1042-2	P	G	BEN	541	541A	40	30	20.0	3.000A	20.000W	100J	.008E	125UA	20V	36	1.000A
2N1043	P	G	BEN,TII,MOT	211	TO 5	60	40	20.0	3.000A	.400W	100J	.250G	125UA	30V	36	1.000A
2N1043-1	P	G	BEN	541	541B	60	40	20.0	3.000A	20.000W	100J	.008E	125UA	30V	36	1.000A
2N1043-2	P	G	BEN	541	541A	60	40	20.0	3.000A	20.000W	100J	.008E	125UA	30V	36	1.000A
2N1044	P	G	BEN,TII,MOT	211	TO 5	80	50	20.0	3.000A	.400W	100J	.250G	125UA	40V	36	1.000A
2N1044-1	P	G	BEN	541	541B	80	50	20.0	3.000A	20.000W	100J	.008E	125UA	40V	36	1.000A
2N1044-2	P	G	BEN	541	541A	80	50	20.0	3.000A	20.000W	100J	.008E	125UA	40V	36	1.000A
2N1045	P	G	BEN,TII,MOT	211	TO 5	100	60	20.0	3.000A	.400W	100J	.250G	125UA	50V	36	1.000A
2N1045-1	P	G	BEN	541	541A	100	60	20.0	3.000A	20.000W	100J	.008E	125UA	50V	36	1.000A
2N1045-2	P	G	BEN	541	541B	100	60	20.0	3.000A	20.000W	100J	.008E	125UA	50V	36	1.000A
2N1046	P	G	TII,ETC	211	TO 5	100	60	20.0	3.000A	.400W	100J	.008E	125UA	50V	36	1.000A
2N1046A	P	G	TII,ETC	605	TO 3	100	50	1.5	10.000A	30.000W	100J	.300E	10UA	100V	100	
2N1046B	P	G	TII,ETC	605	TO 3	130	50	1.5	10.000A	30.000W	100J	.300E	10UA	130V	100	
2N1047	N	S	TII,ETC	605	TO 3	130	50	1.5	10.000A	30.000W	100J	.300E	10UA	130V	100	
2N1047A	N	S	ETC,TII	461	TO 57	80		6.0		40.000W	200J	.200E	15UA	30V	24	
2N1047B	N	S	TII	461	TO 57	80	80	10.0		40.000W	200J	.090E	250UA	80V	24	.500A
2N1048	N	S	TII,ETC	461	TO 57	80	80	6.0		40.000W	200J	.125E	50UA	80V	24	
2N1048A	N	S	ETC,TII	461	TO 57	120		6.0		40.000W	200J	.200E	15UA	30V	24	
2N1048B	N	S	TII	461	TO 57	120	120	10.0		40.000W	200J	.090E	250UA	80V	24	.500A
2N1049	N	S	TII,ETC	461	TO 57	120	120	6.0		40.000W	200J	.125E	100UA	120V	24	
2N1049A	N	S	ETC,TII	461	TO 57	80		6.0		40.000W	200J	.200E	15UA	30V	60	
2N1049B	N	S	TII	461	TO 57	80	80	10.0		40.000W	200J	.090E	250UA	80V	60	.500A
2N1050	N	S	TII,ETC	461	TO 57	80	80	6.0		40.000W	200J	.125E	50UA	80V	60	
2N1050A	N	S	ETC,TII	461	TO 57	120		6.0		40.000W	200J	.200E	15UA	30V	60	
2N1050B	N	S	TII	461	TO 57	120	120	10.0		40.000W	200J	.090E	250YA	80V	60	.500A
2N1052	N	S	TEC	461	TO 57	120	120	6.0		40.000W	200J	.125E	100UA	120V	60	
2N1053	N	S	TEC	211	TO 5	200	155	6.0	.200A	.600W	200A	8.000G	10UA	200V	40	.200A
2N1054	N	S	SSP,ETC,TEC	211	TO 5	180	135	6.0	.200A	.600W	200A	8.000G	10UA	180V	40	.200A
2N1055	N	S	SSP,TEC	211	TO 5	125	115	6.0	.750A	.600W	200J	8.000G	5UA	125V	30	.020A
2N1056	P	G	ETC	210	TO 5		100	6.0	.200A	.600W	200J	3.000G	15UA	100V	50	
2N1057	P	G	ETC	210	TO 5		50R	15.0	.100A	.240W	85J	.500B	16UA	45V	30	
2N1057+	P	G	GEC	210	TO 5		45R	5.0	.300A	.240W	85J	.500B	16UA	45V	60	
2N1058	N	G	ETC	57	57B	45		5.0	.300A	.240W	85J	.500B	16UA	45V	60	
2N1058+	-N	G	SYL	210	TO 5		20R		.050A	.050W	75J	4.000B	50UA	18V	16	
2N1059	N	G	ETC	210	TO 22	18	18R		.050A	.150W	85J	4.000B	50UA	18V	40	
2N1059+	-N	G	SYL	210	TO 5	20	15R	10.0	.500A	.250W	85J	.010B	10UA	10V	75	.035A
2N1065	-P	G	GTC	10	TO 22	20	15R	10.0	.100A	.180W	85J	.100G	20UA	20V	70	
2N1066	P	G	AMP,RCA	170	TO 9	40	20	1.0		.120W	100J	20.000B	8UA	10V	50	
2N1067	-N	S	MOT	217	TO 33	40		.5	.010A	.120W	100J	30.000B	12UA	12V	70	
2N1068	N	S	AMF	171	TO 8	60	30	12.0	.500A	5.000W	175J	.750B	500UA	60V	34	
2N1069	N	S	AMF,BEN,ETC	171	TO 8	60	30	12.0	1.500A	10.000W	175J	.750B	500UA	60V	34	
2N1070	N	S	AMF,BEN,ETC	605	TO 3	60	45	9.0	4.000A	50.000W	175J	.500B	1MA	60V	24	
2N1073	P	G	BEN,MOT,ETC,DEL	605	TO 3	60	45	9.0	4.000A	50.000W	175J	.500B	1MA	60V	24	
2N1073A	P	G	BEN,MOT,ETC,DEL	607	TO 41	40	40R	1.5	10.000A	85.000W	110J	.350G	1MA	25V	35	5.000A
2N1073B	P	G	BEN,MOT,ETC,DEL	607	TO 41	80	80R	1.5	10.000A	85.000W	110J	.350G	1MA	65V	35	5.000A
2N1079	N	S	ETC,TEC,HUG	731	TO 53	120	120R	1.5	10.000A	85.000W	110J	.350G	2MA	100V	35	5.000A
						60	60	10.0	3.000A	60.000W	200J	10.000G			40	1.000A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{c,B}$	$V_{c,E}$	$V_{E,B}$	Maximum I_c	Power	Max. T_J(°C)	Frequency Resp.(MHz)	Leakage $I_{c,BO}$ @ $V_{c,B}$		Gain h_{FE} @ I_c	
2N1080	N	S	ETC,TEC,HUG	731	TO 53	60	60	10.0	3.000A	60.000W	200J	10.000G			40	1.000A
2N1086	N	G	ETC	210	TO 5	9	9		.020A	.065W	85J	5.000B	3UA	5V	120	
2N1086+	N	G	GEC	12	12A	9	9		.020A	.065W	85A	8.000B	3UA	5V	40	
2N1086A	N	G	ETC	210	TO 5	9	9		.020A	.065W	85A	5.000B	3UA	5V	120	
2N1086A+	N	G	GEC	12	12A	9	9		.020A	.065W	85A	8.000B	3UA	5V	40	
2N1087	N	G	ETC	210	TO 5	9	9		.020A	.065W	85J	5.000B	3UA	5V	120	
2N1087+	N	G	GEC	12	12A	9	9		.020A	.065W	85A	8.000B	3UA	5V	40	
2N1090	N	G	ETC	210	TO 5	25	15	20.0	.400A	.120W	85J	5.000B	8UA	12V	50	
2N1090+	N	G	RCA	170	TO 9	25	15	20.0	.400A	.120W	85A	5.000B	8UA	12V	50	
2N1091	N	G	ETC	210	TO 5	25	12	20.0	.400A	.120W	85J	10.000B	8UA	12V	70	
2N1091+	N	G	RCA	170	TO 9	25	12	20.0	.400A	.120W	85A	10.000B	8UA	12V	70	
2N1092	N	S	AMF,ETC	211	TO 5	60	30	12.0	.500A	.800W	175A	.750B	500UA	60V	36	.200A
2N1093	P	G	ETC	210	TO 5	30		15.0	.250A	.150W	100J	.500B	6UA	30V	130	
2N1097	P	G	GEC,ETC	212	TO 5	18	18	5.0	.200A	.200W	85A	1.000B	16UA	16V	60	
2N1098	P	G	GEC,ETC	212	TO 5	18	18	5.0	.200A	.200W	85A	1.000B	16UA	16V	50	
2N1099	P	G	OEL,MOT,ETC,SOL,HUG	405	TO 36	80	60	40.0	15.000A	150.000W	100A	.010E	4MA	80V	50	5.000A
2N1100	P	G	MOT,ETC,DEL,SOL,HUG	405	TO 36	100	65	80.0	15.000A	150.000W	100C	.010E	4MA	100V	37	5.000A
2N1101	N	G	ETC	210	TO 5	20	15R	10.0	.100A	.180W	75J	.010B	20UA	20V	44	.035A
2N1101+	N	G	SYL	10	TO 22	20	15	10.0	.100A	.180W	85J	.010B	20UA	20V	44	
2N1102	N	G	ETC	210	TO 5	40	25R	10.0	.100A	.180W	75J	.010B	50UA	40V	44	.035A
2N1102+	N	G	SYL	10	TO 22	40	25	10.0	.100A	.180W	85J	.010B	50UA	40V	44	
2N1107	P	G	ETC	210	TO 5	16		10.0	.005A	.030W	85J	25.000B	10UA	12V		
2N1108	P	G	ETC	210	TO 5	16		10.0	.005A	.030W	85J	20.000B	10UA	12V		
2N1108+	P	G	TII	10	TO 22	16			.005A	.030W	85J	35.000B	10UA	12V	32	
2N1109	P	G	ETC	210	TO 5	16		10.0	.005A	.030W	85J	15.000B	10UA	12V		
2N1109+	P	G	TII	10	TO 22	16			.005A	.030W	85J	30.000B	10UA	12V	20	
2N1110	P	G	ETC	210	TO 5	16		10.0	.005A	.030W	85J	20.000B	10UA	12V		
2N1110+	P	G	TII	10	TO 22	16			.005A	.030W	85J	35.000B	10UA	12V	30	
2N1111	P	G	ETC	210	TO 5	20		10.0	.005A	.030W	85J	20.000B	10UA	12V		
2N1114	N	G	ETC	212	TO 5	25	15	15.0	.200A	.150W	100J	7.000B	30UA	25V	90	
2N1115	P	G	ETC	210	TO 5	20	15	10.0	.125A	.150W	85J	5.000B	6UA	20V	70	
2N1116	N	S	SSP,TEC,HUG	210	TO 5	60	60	6.0	.800A	.600W	200J	6.000G	15UA	60V	90	
2N1117	N	S	SSP,TEC,HUG	210	TO 5	60	60	6.0	.800A	.600W	200J	4.000G	15UA	60V	100	
2N1118	P	S	SPR,SOL,HUG	210	TO 5	25	25	10.0	.050A	.150W	140J	8.000F	100NA	25V	24	.001A
2N1118A	P	S	SOL,SPR,HUG	210	TO 5	25	25	10.0	.050A	.150W	140J	8.000F	1UA	25V	24	.001A
2N1119	P	S	SPR,SOL,HUG	210	TO 5	10	10	10.0	.050A	.150W	140J	7.200G	100NA	10V	24	.015A
2N1120	P	G	MOT,BEN,ETC,HUG	607	TO 41	80	40	40.0	15.000A	90.000W	100J	.003E	15MA	80V	32	10.000A
2N1121+	N	G	GEC	12	12A	15	15		.020A	.065W	85A	8.000B	5UA	15V	60	
2N1121	N	G	ETC	210	TO 5	15	15R		.020A	.065W	85J	5.000B	5UA	15V	70	
2N1122	P	G	SPR	116	TO 24	12	11S		.050A	.025W	100J	40.000G	5UA	6V	50	
2N1122A	P	G	SPR	116	TO 24	15	14S		.050A	.025W	100J	40.000G	5UA	6V	50	
2N1123	-P	G	PHL	171	TO 31	45	40S	45.0	.500A	.750W	100J	3.000B	25UA	45V	70	
2N1124+	-P	G	PHL	105	TO 25	40			.150A	.300W	85J	.400B	75UA	40V	80	
2N1124	P	G	ETC	210	TO 5	40	35R	40.0	.250A	.300W	85J	.400B	10UA	5V	80	
2N1125	P	G	ETC	210	TO 5	40	40R	40.0	.150A	.300W	85J	.750B	75UA	40V	100	
2N1125+	-P	G	PHL	105	TO 25	40			.150A	.300W	85J	1.000B	75UA	40V	100	
2N1126	-P	G	PHL	172	172A	40			.150A	1.000W	85J	.400B	75UA	40V	80	
2N1127	-P	G	PHL	172	172A	40			.150A	1.000W	85J	.750B	75UA	40V	100	
2N1128	P	G	ETC	210	TO 5	25	18R	5.0	.250A	.150W	85J	1.000B	75UA	40V	100	
2N1128+	-P	G	PHL	105	TO 25	25			.150A	.150W	85J	1.000B	15UA	25V	80	
2N1129	P	G	ETC	210	TO 5	25	25R	5.0	.250A	.150W	85J	1.000B	20UA	10V	100	
2N1129+	-P	G	PHL	105	TO 25	25			.150A	.150W	85J	.500B	15UA	25V	150	
2N1130	P	G	ETC	210	TO 5	30	40R	5.0	.250A	.150W	85J	.750B	25UA	25V	160	
2N1130+	-P	G	PHL	105	TO 25	25			.150A	.150W	85J	.700B	15UA	30V	100	
2N1131	P	S	TII,MOT,SES,RAY,GIC,TEC	211	TO 5	50	35	5.0	.600A	.600W	175J	.750B	25UA	30V	110	
2N1131/51	-P	S	SYL	909	TO 51	50	35	5.0	.600A	.600W	175J	50.000G	1UA	30V	30	.150A
2N1131A	P	S	HUG,TEC	211	TO 5	60	40	5.0	.600A	.600W	175J	50.000G	1UA	30V	30	
2N1131A/51	-P	S	SYL	909	TO 51	60	40	5.0	.600A	.600W	175J	50.000G	500NA	45V	30	.150A
2N1132	P	S	HUG,RAY,SES,ETC,TII,MOT	211	TO 5	50	35	5.0	.600A	.600W	175J	50.000G	500NA	45V	30	
2N1132/51	-P	S	SYL	909	TO 51	50	35	5.0	.600A	.600W	175J	60.000G	100NA	50V	48	.150A
2N1132A	P	S	HUG,MOT,ITT,TEC,FSC	211	TO 5	60	40	5.0	.600A	.600W	175J	60.000G	1UA	30V	60	
2N1132A/51	-P	S	SYL	909	TO 51	60	40	5.0	.600A	.600W	175J	60.000G	500NA	45V	60	.150A
2N1132B	P	S	HUG,TEC	211	TO 5	70	45	6.0	.600A	.600W	175J	60.000G	500NA	45V	60	
2N1132B/51	-P	S	SYL	909	TO 51	70	45	6.0	.600A	.600W	175J	60.000G	10GA	50V	60	
2N1136	P	G	BEN,ETC,HUG	605	TO 3	60	30	15.0	6.000A	94.000W	100J	60.000G	10NA	50V	60	
2N1136A	P	G	BEN,ETC,HUG	605	TO 3	90	55	15.0	6.000A	94.000W	100J	.004E	1MA	25V	75	3.000A
2N1136B	P	G	BEN,ETC,HUG	605	TO 3	100	65	15.0	6.000A	94.000W	100J	.004E	1MA	65V	75	3.000A
2N1137	P	G	BEN,ETC,HUG	605	TO 3	60	30	15.0	6.000A	94.000W	100J	.004E	1MA	65V	75	3.000A
2N1137A	P	G	BEN,ETC,HUG	605	TO 3	90	55	15.0	6.000A	94.000W	100J	.004E	1MA	25V	112	3.000A
2N1137B	P	G	BEN,ETC,HUG	605	TO 3	100	65	15.0	6.000A	94.000W	100J	.004E	1MA	65V	112	3.000A
2N1138	P	G	BEN,ETC,HUG	605	TO 3	60	30	15.0	5.000A	90.000W	100J	.004E	1MA	60V	112	3.000A
2N1138A	P	G	BEN,ETC,HUG	605	TO 3	90	55	15.0	5.000A	90.000W	100J	.004E	200UA	2V	150	3.000A
2N1138B	P	G	BEN,ETC,HUG	605	TO 3	100	65	15.0	5.000A	90.000W	100J	.004E	200UA	2V	150	3.000A
2N1139	N	S	TEC,ETC	211	TO 5	15	15	3.0		.500W	175J	.004E	200UA	2V	150	3.000A
2N1140	N	S	ETC	210	TO 5	40	40	5.0		.500W	175J	100.000G	5UA	15V	40	.010A
2N1141	P	G	TII,MOT	211	TO 5	35		1.0	.100A	.300W	200J	35.000G	15UA	40V	30	.050A
2N1142	P	G	TII,MOT	211	TO 5	30		.7	.100A	.300W	100J	750.000B	5UA	15V	40	
2N1143	P	G	TII,MOT	211	TO 5	25		.5	.100A	.300W	100J	600.000B	5UA	15V	40	
2N1144	P	G	ETC	210	TO 5	16	16R		.100A	.300W	100J	480.000B	5UA	15V	40	
2N1144+	P	G	SSP,GEC	57	57B	16	16R	5.0	.100A	.140W	60J	1.000B	16UA	16V	60	
2N1145	P	G	ETC	210	TO 5	16	16R		.100A	.140W	60J	1.000B	16UA	16V	66	
2N1145+	-P	G	GEC	57	57B	16	16R	5.0	.100A	.140W	60J	1.000B	16UA	16V	60	
2N1146	P	G	BEN,ETC,SOL,HUG	605	TO 3	40	20	30.0	15.000A	94.000W	100J	1.000B	16UA	16V	56	
2N1146A	P	G	BEN,ETC,SOL,HUG	605	TO 3	60	30	30.0	15.000A	94.000W	100J	.002E	20MA	40V	100	5.000A
2N1146B	P	G	BEN,ETC,SOL,HUG	605	TO 3	80	40	30.0	15.000A	94.000W	100J	.002E	20MA	60V	100	5.000A
2N1146C	P	G	BEN,ETC,SOL,HUG	605	TO 3	100	50	30.0	15.000A	94.000W	100J	.002E	20MA	80V	100	5.000A
2N1147	P	G	BEN,ETC,SOL,HUG	607	TO 41	60	30	30.0	15.000A	94.000W	100J	.002E	20MA	100V	100	5.000A
2N1147A	P	G	BEN,ETC,SOL,HUG	607	TO 41	60	30	30.0	15.000A	94.000W	100J	.002E	40MA	40V	100	5.000A
2N1147B	P	G	BEN,ETC,SOL,HUG	607	TO 41	80	40	30.0	15.000A	94.000W	100J	.002E	40MA	60V	100	5.000A
2N1147C	P	G	BEN,ETC,SOL,HUG	607	TO 41	100	50	30.0	15.000A	94.000W	100J	.002E	40MA	80V	100	5.000A
2N1149	N	S	TEC,TII,ETC,HUG	10	TO 22	45		1.0	.025A	.150W	175J	.002E	40MA	100V	100	5.000A
2N1150	N	S	TEC,TII,ETC,HUG	10	TO 22	45		1.0	.025A	.150W	175J	12.000B	2UA	30V	16	
2N1151	N	S	TEC,TII,ETC,HUG	10	TO 22	45		1.0	.025A	.150W	175J	13.000B	2UA	30V	30	
2N1152	N	S	TEC,TII,ETC,HUG	10	TO 22	45		1.0	.025A	.150W	175J	14.000B	2UA	30V	50	
2N1153	N	S	TEC,TII,ETC,HUG	10	TO 22	45		1.0	.025A	.150W	175J	15.000B	2UA	30V	60	
2N1154	N	S	ETC,TII,TEC,HUG	10	TO 22	45		1.0	.025A	.150W	175J	16.000B	2UA	30V	180	
2N1155	N	S	ETC,TII,TEC,HUG	10	TO 22	50		1.0	.060A	.750W	150J	1.000B	5UA	50V	20	
2N1156	N	S	ETC,TII,TEC,HUG	10	TO 22	80		1.0	.050A	.750W	150J	1.000B	6UA	80V	20	
2N1157	P	G	SOL,HUG	480	480A	120		1.0	.040A	.750W	150J	1.000B	8UA	100V	20	
2N1157A	P	G	SOL,HUG	480	480A	60	45	28.0	40.000A	187.000W	100J	.200G	7MA	60V	60	10.000A
2N1158	P	G	ETC	170	TO 9	80	50	28.0	40.000A	187.000W	100J	.200G	20MA	80V	60	10.000A
2N1158A	P	G	ETC	170	TO 9	20	20S	.5	.100A	.600W	100J	28.500G	5UA	10V	9	
2N1159	P	G	DEL,BEN,ETC,HUG	605	TO 3	20	20S	.5	.100A	.750W	100J	45.000G	5UA	10V	14	
2N1160	P	G	DEL,BEN,ETC,HUG	605	TO 3	80	60	20.0	5.000A	90.000W	100J	.010E	8MA	80V	52	3.000A
2N1162	P	G	MOT,BEN,SOL,HUG	605	TO 3	80	60	20.0	7.000A	90.000W	100J	.010E	8MA	80V	36	5.000A
2N1162A	P	G	MOT,BEN,ETC,SOL,HUG	605	TO 3	50	35S	25.0	25.000A	90.000W	100J	.004E	225UA	2V	40	25.000A
2N1163	P	G	MOT,BEN,ETC,SOL,HUG	607	TO 41	50	35S	25.0	25.000A	90.000W	100J	.004E	15MA	50V	50	25.000A
2N1163A	P	G	MOT,BEN,ETC,SOL,HUG	607	TO 41	50	35S	25.0	25.000A	90.000W	100J	.004E	225UA	2V	40	25.000A
2N1164	P	G	MOT,BEN,ETC,SOL,HUG	605	TO 3	80	60S	40.0	25.000A	90.000W	100J	.004E	15MA	50V	50	25.000A
													225UA	2V	40	25.000A

Transistor Type No.	N G / P S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cm}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{FE} @	I_c
2N1164A	P G	MOT,BEN,ETC,SOL,HUG	605	TO 3	80	60S	40.0	25.000A	90.000W	100J	.004E	15MA	80V	50	25.000A
2N1165	P G	MOT,BEN,ETC,SOL,HUG	607	TO 41	80	60S	40.0	25.000A	90.000W	100J	.004E	225UA	2V	40	25.000A
2N1165A	P G	MOT,BEN,ETC,SOL,HUG	607	TO 41	50	35S	40.0	25.000A	90.000W	100J	.004E	15MA	50V	50	25.000A
2N1166	P G	MOT,BEN,ETC,SOL,HUG	605	TO 3	100	75S	50.0	25.000A	90.000W	100J	.004E	225UA	2V	40	25.000A
2N1166A	P G	MOT,BEN,ETC,SOL,HUG	605	TO 3	100	75S	50.0	25.000A	90.000W	100J	.004E	15MA	100V	50	25.000A
2N1167	P G	MOT,BEN,ETC,SOL,HUG	607	TO 41	100	75S	50.0	25.000A	100.000W	100J	.004E	225UA	2V	64	5.000A
2N1167A	P G	MOT,BEN,ETC,SOL,HUG	607	TO 41	100	75S	50.0	25.000A	90.000W	100J	.004E	15MA	100V	50	5.000A
2N1168	P G	BEN,ETC,DEL,HUG	605	TO 3	50	30R	20.0	5.000A	90.000W	100J	.004E	8MA	50V	90	3.000A
2N1169	-N G	RCA	229	TO 5	25	18	25.0	.400A	.120W	85J	4.500B	10UA	12V	40	
2N1171	P G	ETC	210	TO 5	30	12	20.0	.400A	.150W	85J	10.000B	5UA	12V	60	.001A
2N1172	-P G	DEL	631	TO 37	40	16	20.0	1.500A	7.500W	100J	.017E	2MA	40V	60	
2N1175	P G	GEC,MOT	212	TO 5	35	25R	10.0	.200A	.200W	85J	1.500B	12MA	30V	90	
2N1175A	P G	GEC	212	TO 5	35	25R	10.0	.200A	.200W	85J	1.500B	12UA	30V	90	.020A
2N1176	P G	ETC	210	TO 5	15	15R	10.0	.300A	.200W	100J	.015E	25UA	10V	30	
2N1176A	P G	ETC	210	TO 5	40	40R	10.0	.300A	.200W	100J	.015E	30UA	25V	30	
2N1176B	P G	ETC	210	TO 5	60	60R	10.0	.300A	.200W	100J	.015E	35UA	45V	30	
2N1177	-P G	RCA	75	TO 45	30		1.0	.010A	.080W	71A	140.004B	12UA	12V	100	
2N1178	-P G	RCA	75	TO 45	30		1.0	.010A	.080W	71A	140.004B	12UA	12V	40	
2N1179	-P G	RCA	75	TO 45	30		1.0	.010A	.080W	71A	140.000B	12UA	12V	80	
2N1180	-P G	RCA	75	TO 45	30			.010A	.080W	70J	100.000G	12UA		160	.001A
2N1183	P G	RCA	171	TO 8	45	20	20.0	3.000A	1.000W	100J	.504B	250UA	45V	32	
2N1183A	P G	RCA	171	TO 8	60	30	20.0	3.000A	1.000W	100J	.504B	250UA	60V	32	
2N1183B	P G	RCA	171	TO 8	80	40	20.0	3.000A	1.000W	100J	.504B	250UA	80V	32	
2N1184	P G	RCA	171	TO 8	45	20	20.0	3.000A	1.000W	100J	.504B	250UA	45V	80	
2N1184A	P G	RCA	171	TO 8	60	20	20.0	3.000A	1.000W	100J	.504B	250UA	60V	80	
2N1184B	P G	RCA	171	TO 8	80	40	20.0	3.000A	1.000W	100J	.504B	250UA	80V	80	
2N1185	P G	ETC,MOT	210	TO 5	45	30R	30.0	.500A	.200W	100J	1.750B	10UA	30V	170	.010A
2N1186	P G	ETC,MOT	210	TO 5	60	45R	30.0	.500A	.200W	100J	.750B	10UA	45V	44	.010A
2N1187	P G	ETC,MOT	210	TO 5	60	45R	30.0	.500A	.200W	100J	1.000B	10UA	45V	75	.010A
2N1188	P G	MOT,ETC	210	TO 5	60	45R	30.0	.500A	.200W	100J	1.250B	10UA	45V	115	.010A
2N1189	P G	MOT	210	TO 5	45	30R	15.0	.500A	.200W	100J	1.750B	50UA	45V	90	.010A
2N1190	P G	MOT	210	TO 5	45	30R	15.0	.500A	.200W	100J	2.250B	50UA	45V	136	.010A
2N1191	P G	ETC,MOT	210	TO 5	40	25R	25.0	.200A	.200W	85J	1.500B	15UA	25V	40	.010A
2N1192	P G	ETC,MOT	210	TO 5	40	25R	25.0	.200A	.200W	85J	2.000B	15UA	25V	74	.010A
2N1193	P G	ETC,MOT	210	TO 5	40	25R	25.0	.200A	.200W	85J	2.500B	15UA	25V	145	.010A
2N1194	P G	ETC,MOT	210	TO 5	40	25R	25.0	.200A	.200W	85J	3.000B	15UA	25V	275	.010A
2N1195	N G	MOT	211	TO 5	30		1.0	.040A	.225W	100J	1000.000B	5UA	20V	25	.010A
2N1198	N G	ETC	210	TO 5	25	25	.5	.075A	.075W	85J	5.000B	2UA	15V	60	
2N1199	N S	ETC	211	TO 5	20	15	3.0	.100A	.300W	150J	75.000G	700NA	10V	27	.020A
2N1202	P G	SOL,HUG	427	TO 10	80	60	28.0	3.500A	34.000W	100J	.200G	2MA	80V	70	.500A
2N1203	P G	SOL,HUG	427	TO 10	120	70	28.0	3.500A	34.000W	100J	.200G	2MA	120V	44	2.000A
2N1204	P G	MOT	210	TO 5	20	15	4.0	.500A	.300W	100J	110.000G	7UA	5V	35	.400A
2N1204A	P G	MOT	210	TO 5	20	15	4.0	.500A	.300W	100J	110.000G	7UA	5V	50	.200A
2N1206	N S	ETC,TEC,HUG	210	TO 5	60	60	3.0		1.000W	200J		1UA	30V	30	.050A
2N1207	N S	ETC,TEC,HUG	210	TO 5	125	125	3.0		1.000W	200J		1UA	30V	30	.050A
2N1208	N S	BEN,TEC,SES,ETC,HUG	561	TO 61	60	60	10.0	5.000A	85.000W	200J	12.000B	10MA	60V	30	2.000A
2N1209	N S	BEN,TEC,SES,ETC,HUG	561	TO 61	45	45	5.0	5.000A	85.000W	200J	12.000B	20MA	45V	40	2.000A
2N1210	N S	BEN,TEC,ETC,HUG	731	TO 53	60	60	8.0	5.000A	30.000W	200J	15.000B	1MA	60V	35	2.000A
2N1211	N S	BEN,TEC,ETC,HUG	731	TO 53	80	80	8.0	5.000A	30.000W	200J	15.000B	1MA	80V	35	1.000A
2N1212	N S	BEN,TEC,ETC,HUG	561	TO 61	60	60	10.0	5.000A	85.000W	200J	10.000B	10MA	6CV	22	1.000A
2N1217	N G	ETC	210	TO 5	20	20	.5	.025A	.075W	85J	6.000B	2UA	15V	68	
2N1217+	-N G	GEC	12	12A	20	20	5.0	.025A	.075W	85J	6.000B	1UA	15V	60	
2N1218	-N G	SYL	605	TO 3	45	45		2.000A	6.000W	85J	.007E	3MA	45V	100	
2N1219	P S	SSD,NSC,SOL,HUG	210	TO 5	30	25	20.0	.100A	.250W	175J	5.000B	100NA	10V	27	.005A
2N1220	P S	SSD,NSC,SOL,HUG	210	TO 5	30	25	20.0	.100A	.250W	175J	2.000B	100NA	10V	14	.005A
2N1221	P S	SSD,NSC,SOL,HUG	210	TO 5	30	25	10.0	.100A	.250W	175J	5.000B	100NA	10V	27	.001A
2N1222	P S	SSD,NSC,SOL,HUG	210	TO 5	30	25	10.0	.100A	.250W	175J	2.000B	100NA	10V	14	.001A
2N1223	P S	SSD,SOL,HUG	210	TO 5	40	40	10.0	.100A	.250W	175J	2.000B	100NA	10V	14	.001A
2N1224	P G	AMP,RCA	217	TO 33	40		.5	.010A	.120W	100J	30.000B	12UA	12V	60	
2N1225	P G	AMP,CSF,RCA	217	TO 33	40		.5	.010A	.120W	100J	100.000B	12UA	12V	60	
2N1226	P G	AMP,RCA	217	TO 33	60		.5	.010A	.120W	100J	30.000B	12UA	12V	60	
2N1227	P G	BEN,HUG	605	TO 3	40		10.0	3.000A	50.000W	100J	.006E			100	.500A
2N1228	P S	HUG,SSD,NSC,SOL	210	TO 5	15	15	15.0	.100A	.400W	160J	3.000B	100NA	12V	22	.001A
2N1229	P S	HUG,SSD,SOL	210	TO 5	15	15	15.0	.100A	.400W	160J	4.000B	100NA	12V	44	.001A
2N1230	P S	HUG,SSD,SOL	210	TO 5	35	35	35.0	.100A	.400W	160J	3.000B	100NA	30V	22	.001A
2N1231	P S	HUG,SSD,NSC,SOL	210	TO 5	35	35	35.0	.100A	.400W	160J	4.000B	100NA	30V	44	.001A
2N1232	P S	HUG,SSD,NSC,SOL	210	TO 5	60	60	60.0	.100A	.400W	160J	2.000B	100NA	50V	22	.001A
2N1233	P S	HUG,SSD,NSC,SOL	210	TO 5	60	60	60.0	.100A	.400W	160J	2.000B	100NA	50V	44	.001A
2N1234	P S	HUG,SSD,SOL	210	TO 5	110	110	99.0	.100A	.400W	160J	1.000B	100NA	90V	22	.001A
2N1235	N S	TII,HUG	731	TO 53	120	120R	10.0	2.000A	85.000W	200J	.050E	10MA	120V	27	1.000A
2N1238	P S	HUG,SOL	903	903A	15	15	15.0		1.000W	160J	.800B	100NA	12V	22	.001A
2N1239	P S	HUG,SOL	903	903A	15	15	15.0		1.000W	160J	.800B	100NA	12V	48	.001A
2N1240	P S	HUG,SOL	903	903A	35	35	35.0		1.000W	160C	.800B	100NA	28V	22	.001A
2N1241	P S	HUG,SOL	903	903A	35	35	35.0		1.000W	160C	.800B	100NA	28V	48	.001A
2N1242	P S	HUG,SOL	903	903A	60	60	60.0		1.000W	160C	.800B	100NA	48V	22	.001A
2N1243	P S	HUG,SOL	903	903A	60	60	60.0		1.000W	160C	.800B	100NA	48V	48	.001A
2N1244	P S	HUG,SOL	903	903A	110	110	99.0		1.000W	160J	.800B	100NA	88V	22	.001A
2N1247	N S	TEC,HUG	210	TO 5	6	6	2.0	.005A	.030W	150J	5.000G	5NA	10V	30	
2N1248	N S	TEC,GEC,HUG	210	TO 5	6	6	1.0	.005A	.030W	150J	AUD	10NA	6V	14	
2N1249	N S	TEC,HUG	210	TO 5	6	6	1.0	.005A	.030W	150A		10NA	3V	30	.010A
2N1250	N S	BEN,TEC,HUG	730	TO 53	60	60		5.000A	85.000W	200J	.020E	10MA	60V	30	2.000A
2N1251	N G	ETC	210	TO 5	20	15R	10.0	.100A	.150W	85J	.600B	50UA	20V	225	
2N1251+	-N G	SYL	10	TO 22	20	15R		.100A	.150W	85J	.350G	50UA	20V	150	
2N1252	N S	TII,BEN,RAY,TEC,HUG	211	TO 5	30	20	5.0		.600W	175J	40.000G	100UA	30V	30	.150A
2N1253	N S	TII,BEN,RAY,TEC,HUG	211	TO 5	30	20	5.0		.600W	175J	50.000G	100UA	30V	60	.150A
2N1254	P S	HUG,TEC	210	TO 5	30	30	5.0		.275W	175A	30.000G	200NA	24V	25	
2N1255	P S	HUG,TEC	210	TO 5	30	30	5.0		.275W	175A	50.000G	200NA	24V	40	
2N1256	P S	HUG,TEC	210	TO 5	40	40	5.0		.275W	175A	30.000G	200NA	32V	25	
2N1257	P S	HUG,TEC	210	TO 5	40	40	5.0		.275W	175A	50.000G	200NA	32V	40	
2N1258	P S	HUG,TEC	210	TO 5	30	30	5.0		.275W	175A	50.000G	200NA	24V	75	
2N1259	P S	HUG,TEC	210	TO 5	50	50	5.0		.275W	175A	40.000G	200NA	40V	25	
2N1260	N S	TII,HUG	731	TO 53	120	120R	10.0	2.000A	85.000W	200J	.050E	10MA	20V	27	1.000A
2N1261	P G	SOL,HUG	427	TO 10	80	45	28.0	3.500A	32.000W	95J	.200G	2MA	80V	36	2.000A
2N1262	P G	SOL,HUG	427	TO 10	80	45	28.0	3.500A	32.000W	95J	.200G	2MA	80V	50	2.000A
2N1263	P G	SOL,HUG	427	TO 10	80	45	28.0	3.500A	32.000W	95J	.200G	2MA	80V	76	2.000A
2N1264	-P G	SYL	75	75A	20		.1	.010A	.050W	75J	10.000G	50UA	20V	30	
2N1265	-P G	SYL	10	TO 22	10	10		.100A	.050W	85J	.600B	100UA	10V	60	
2N1265/5	P G	ETC	210	TO 5	20	10	10.0	.100A	.100W	85J	1.000B	10UA	10V	80	
2N1266	P G	ETC	210	TO 5		10R			.080W	85J	3.000B	100UA	10V	15	
2N1266+	-P G	SYL	10	TO 22	10	10			.080W	85J	5.000G	100UA	10V	48	
2N1267	N S	ETC	211	TO 5	20	15	2.0	.100A	.300W	150J	45.000G	700NA	10V	10	.002A
2N1268	N S	ETC	211	TO 5	20	15	2.0	.100A	.300W	150J	45.000G	700NA	10V	20	.002A
2N1269	N S	ETC	211	TO 5	20	15	2.0	.100A	.300W	150J	45.000G	700NA	10V	50	.002A
2N1270	N S	ETC	211	TO 5	20	15	2.0	.100A	.300W	150J	125.000G	700NA	10V	10	.002A
2N1271	N S	ETC	211	TO 5	20	15	2.0	.100A	.300W	150J	125.000G	700NA	10V	20	.002A
2N1272	N S	ETC	211	TO 5	20	15	2.0	.100A	.300W	150J	125.000G	700NA	10V	50	.002A
2N1273	P G	ETC,TII	210	TO 5	15	15	10.0	.150A	.150W	85J	1.000B	14UA	12V	100	.050A
2N1274	P G	ETC,TII	210	TO 5	25	25	10.0	.150A	.150W	85J	1.000B	14UA	12V	100	.050A
2N1275	P S	HUG,NSC,SOL	210	TO 5	100	80	60.0	.050A	.250W	160J	.100B	1UA	60V	15	

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Outline	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T_j(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c	
2N1276	N	S	ETC,TII,TEC,HUG	210	TO 5	40	30	1.0	.025A	.150W	150J	15.000B	1UA	30V	14		
2N1277	N	S	ETC,TII,TEC,HUG	210	TO 5	40	30	1.0	.025A	.150W	150J	15.000B	1UA	30V	29		
2N1278	N	S	ETC,TII,TEC,HUG	210	TO 5	40	30	1.0	.025A	.150W	150J	15.000B	1UA	30V	60		
2N1279	N	S	ETC,TII,TEC,HUG	210	TO 5	40	30	1.0	.025A	.150W	150J	15.000B	1UA	30V	150		
2N1280	P	G	ETC	210	TO 5	16	16	10.0	.400A	.200W	85J	50.000B	10UA	10V	80		
2N1281	P	G	ETC	210	TO 5	16	12	10.0	.400A	.200W	85J	7.000B	10UA	10V	120		
2N1282	P	G	ETC	210	TO 5	20	6	10.0	.400A	.200W	85J	10.000B	10UA	10V	140		
2N1284	P	G	ETC	210	TO 5	30	20R	10.0	.400A	.150W	85J	5.000B	6UA	20V	60		
2N1285	-P	G	SYL	217	TO 33	40		2.5	.010A	.240W	100J	100.000B	12UA	12V	60		
2N1289	-N	G	GEC	217	TO 33	25	15R	15.0	.100A	.075W	85J	40.000B	5UA	15V	120		
2N1291	P	G	ETC	605	TO 3	35	30	15.0	3.000A	20.000W	85J		2MA	35V	45		.500A
2N1292	-N	G	SYL	605	TO 3	35	30S	15.0	3.000A	25.000W	100J	AUD	1MA	35V	60		
2N1293	P	G	ETC	605	TO 3	60	45S	15.0	3.000A	20.000W	95J		2MA	60V	52		.500A
2N1294	-N	G	SYL	605	TO 3	60	45S	15.0	3.000A	25.000W	100J	AUD	2MA	60V	60		
2N1295	P	G	ETC	605	TO 3	80	80S	15.0	3.000A	20.000W	95J		2MA	80V	60		.500A
2N1296	-N	G	SYL	605	TO 3	80	60S	15.0	3.000A	25.000W	100J	AUD	3MA	80V	60		
2N1297	P	G	ETC	605	TO 3	100	80S	15.0	3.000A	20.000W	95J		4MA	100V	52		.500A
2N1299	N	G	ETC	212	TO 5	40	20R	15.0	.200A	.200W	100J	4.000B	100UA	40V	70		
2N1300	-P	G	RCA	210	TO 5	13	12	1.0	.100A	.150W	85J	25.000G	3UA	6V	50		
2N1301	-P	G	RCA	210	TO 5	13	12	4.0	.100A	.150W	85J	35.000G	3UA	6V	50		
2N1302	N	G	RCA,GIC,TII,ETC,AMP	212	TO 5	25	25	25.0	.300A	.150W	85A	3.000B	6UA	25V	50		.010A
2N1303	P	G	GEC,RCA,TII,AMP,TAO,ETC	212	TO 5	25	25	25.0	.300A	.150W	85A	3.000B	6UA	25V	50		.010A
2N1304	N	G	AMP,RCA,TAD,TII,ETC,HUG	212	TO 5	25	25	25.0	.300A	.150W	85A	5.000B	6UA	25V	70		.010A
2N1305	P	G	GEC,RCA,TAO,AMP,TII,ETC	212	TO 5	25	25	25.0	.300A	.150W	85A	5.000B	6UA	25V	70		.010A
2N1306	N	G	AMP,RCA,GIC,TAO,TII,ETC	212	TO 5	25	25	25.0	.300A	.150W	85A	5.000B	6UA	25V	70		.010A
2N1307	P	G	GEC,RCA,GIC,TAD,TII,ETC	212	TO 5	25	25	25.0	.300A	.150W	85A	10.000B	6UA	25V	100		.010A
2N1308	N	G	AMP,RCA,TAD,TII,ETC	212	TO 5	25	25	25.0	.300A	.150W	85A	10.000B	6UA	25V	100		.010A
2N1309	P	G	RCA,TII,TAD,ETC,AMP	212	TO 5	25	25	25.0	.300A	.150W	85A	15.000B	6UA	25V	150		.010A
2N1310	N	G	GIC	210	TO 5	90		20.0		.120W	85J	15.000B	6UA	25V	150		.010A
2N1311	N	G	GIC	210	TO 5	75		20.0		.120W	85J	2.400B	7UA	5V	42		.005A
2N1312	N	G	GIC	210	TO 5	50		20.0		.120W	85J	2.200B	7UA	5V	38		.005A
2N1313	P	G	ETC	210	TO 5	50		20.0		.120W	85J	2.600B	7UA	5V	46		.005A
2N1314	P	G	PHN,RAD	210	TO 5	30	15	20.0	.400A	.175W	85J	6.000B	5UA	15V	50		.400A
2N1316	P	G	ETC	605	TO 3	32	16	10.0	3.500A	55.000W	90J	.004E	100UA	14V	50		
2N1317	P	G	ETC	210	TO 5	30	15	20.0	.400A	.200W	85J	10.000B	25UA	30V	130		
2N1318	P	G	ETC	210	TO 5	20	12	15.0	.400A	.200W	85J	10.000B	6UA	12V	120		
2N1319	P	G	TII	210	TO 5	10	6	8.0	.400A	.200W	85J	10.000B	20UA	15V	100		
2N1321	-N	G	SYL	229	TO 5	20	20	20.0	.400A	.120W	71A	3.000B	6UA	12V	30		
2N1323	-N	G	SYL	430	TO 10	35	30S	15.0	.300A	25.000W	100J	AUD	1MA	35V	60		
2N1325	-N	G	SYL	430	TO 10	60	30S	15.0	.300A	25.000W	100J	AUD	2MA	60V	60		
2N1335	N	S	HUG	430	TO 10	80	60S	15.0	.300A	25.000W	85J	AUD	3MA	80V	60		
2N1336	N	S	TRW,HUG	211	TO 5	120	45	4.0	.300A	.800W	175J	70.000G	1UA	90V	50		.030A
2N1337	N	S	TRW,HUG	211	TO 5	120	45	4.0	.300A	.800W	175J	70.000G	1UA	90V	50		.030A
2N1338	N	S	TRW,HUG	211	TO 5	120	45	4.0	.300A	.800W	175J	70.000G	1UA	90V	50		.030A
2N1339	N	S	TRW,HUG	211	TO 5	80	25	3.0	.300A	.800W	175J	70.000G	10UA	10V	50		.030A
2N1340	N	S	TRW,HUG	211	TO 5	120	50	3.0	.300A	.800W	175J	70.000G	1UA	10V	50		.030A
2N1341	N	S	TRW,HUG	211	TO 5	120	50	3.0	.300A	.800W	175J	70.000G	1UA	10V	50		.030A
2N1342	N	S	TRW,HUG	211	TO 5	120	50	3.0	.300A	.800W	175J	70.000G	1UA	10V	50		.030A
2N1343	P	G	ETC	211	TO 5	150	65	5.0	.300A	.800W	175J	70.000G	10UA	120V	50		.030A
2N1344	P	G	ETC	210	TO 5	20	16	10.0	.400A	.150W	85J	4.000B	6UA	15V	30		
2N1345	P	G	ETC	210	TO 5	15	10	10.0	.400A	.150W	85J	7.000B	10UA	15V	120		
2N1346	P	G	ETC	210	TO 5	12	8	5.0	.400A	.150W	85J	10.000B	6UA	12V	55		.400A
2N1347	P	G	ETC	210	TO 5	12	10	8.0	.400A	.150W	85J	10.000B	5UA	5V	160		
2N1348	P	G	ETC	210	TO 5	20	12	10.0	.200A	.150W	85J	5.000B	6UA	12V	60		
2N1349	P	G	ETC	210	TO 5	40	12	25.0	.400A	.200W	85J	5.000B	10UA	12V	68		.010A
2N1350	P	G	ETC	210	TO 5	40	15	25.0	.400A	.200W	85J	10.000B	10UA	12V	75		.010A
2N1351	P	G	ETC	210	TO 5	40	20	25.0	.400A	.200W	85J	8.000B	20UA	30V	68		.010A
2N1352	P	G	ETC	210	TO 5	40	18	25.0	.400A	.200W	85J	8.000B	10UA	12V	68		.010A
2N1353	P	G	ETC	210	TO 5	30	20	15.0	.200A	.150W	85J	1.250B	5UA	30V	70		
2N1354	P	G	ETC	210	TO 5	15	10	10.0	.200A	.200W	85J	1.500B	6UA	10V	100		
2N1355	P	G	ETC	210	TO 5	30	15	20.0	.200A	.200W	85J	3.000B	6UA	15V	100		
2N1356	P	G	ETC	210	TO 5	30	20	20.0	.200A	.200W	85J	5.000B	6UA	20V	100		
2N1357	P	G	ETC	210	TO 5	30	20	20.0	.200A	.200W	85J	5.000B	6UA	20V	100		
2N1358	P	G	CSF,DEL,MOT,ETC,SOL,HUG	210	TO 5	30	15	20.0	.200A	.200W	85J	10.000B	6UA	15V	100		
2N1358A	P	G	DEL,ETC,MOT	405	TO 36	80	40	60.0	15.000A	150.000W	100J	.100B	4MA	80V	60		1.200A
2N1359	P	G	BEN,MOT,HUG,ETC	405	TO 36	100	40	60.0	15.000A	150.000W	110J	.100B	4MA	100V	40		5.000A
2N1360	P	G	BEN,MOT,ETC,HUG	605	TO 3	50	40S	12.0	3.000A	90.000W	100J	.007E	3MA	40V	60		1.000A
2N1362	P	G	BEN,MOT,ETC,HUG	605	TO 3	50	40S	12.0	3.000A	90.000W	100J	.005E	3MA	40V	90		1.000A
2N1363	P	G	BEN,MOT,ETC,HUG	605	TO 3	100	75S	12.0	3.000A	90.000W	100J	.007E	3MA	75V	60		1.000A
2N1364	P	G	BEN,MOT,ETC,HUG	605	TO 3	100	75S	12.0	3.000A	90.000W	100J	.005E	3MA	75V	90		1.000A
2N1365	P	G	BEN,MOT,ETC,HUG	605	TO 3	120	100S	12.0	3.000A	90.000W	100J	.007E	3MA	100V	60		1.000A
2N1370	P	G	ETC,TII	605	TO 3	120	100S	12.0	3.000A	90.000W	100J	.005E	3MA	100V	90		1.000A
2N1371	P	G	ETC,TII	210	TO 5	25	25R	10.0	.200A	.150W	85J	1.000B	14UA	20V	100		.050A
2N1372	P	G	ETC,TAD,TII	210	TO 5	45	45R	10.0	.200A	.150W	85J	1.000B	14UA	20V	100		.050A
2N1373	P	G	ETC,TAD,TII	210	TO 5	25	25	15.0	.200A	.250W	100J	.750B	7UA	20V	60		.050A
2N1374	P	G	ETC,TAD,TII	210	TO 5	45	45	25.0	.200A	.250W	100J	.750B	7UA	20V	60		.050A
2N1375	P	G	ETC,TAO,TII	210	TO 5	25	25	15.0	.200A	.250W	100J	1.000B	7UA	20V	90		.050A
2N1376	P	G	ETC,TAD,TII	210	TO 5	45	45	25.0	.200A	.250W	100J	1.000B	7UA	20V	90		.050A
2N1377	P	G	ETC,TAD,TII	210	TO 5	25	25	15.0	.200A	.250W	100J	1.000B	7UA	20V	100		.050A
2N1378	P	G	ETC,TAD,TII	210	TO 5	45	45	25.0	.200A	.250W	100J	1.000B	7UA	20V	100		.050A
2N1379	P	G	ETC,TAO,TII	210	TO 5	12	12	7.0	.200A	.250W	100J	1.500B	7UA	12V	200		.050A
2N1380	P	G	ETC,TAD,TII	210	TO 5	25	25	15.0	.200A	.250W	100J	1.500B	7UA	20V	200		.050A
2N1381	P	G	ETC,TAD,TII	210	TO 5	12	12	7.0	.200A	.250W	100J	1.500B	14UA	12V	200		.050A
2N1382	P	G	ETC	210	TO 5	25	25	15.0	.200A	.250W	100J	1.500B	14UA	20V	100		.050A
2N1382+	P	G	TII	210	TO 5	25	25	15.0	.200A	.250W	85J	2.000B	14UA	20V	90		.050A
2N1383	P	G	ETC	170	TO 9	25	25	15.0	.200A	.200W	85J	2.000B	14UA	20V	80		
2N1383+	P	G	TII	210	TO 5	25	25	15.0	.200A	.200W	85J	1.500B	14UA	20V	72		.050A
2N1384	-P	G	RCA	170	TO 5	25	25	15.0	.200A	.200W	85J	1.500B	14UA	20V	50		
2N1386	N	S	ETC	210	TO 11	30	30	1.0	.500A	.240W	85A	20.000G	8UA	12V	50		
2N1387	N	S	ETC	210	TO 5	25	25S	3.0	.050A	.250W	150J	25.000B	100NA	6V	52		.010A
2N1391	N	S	ETC	210	TO 5	30	30S	3.0	.050A	.250W	150J	25.000B	100NA	6V	30		.010A
2N1395	P	G	AMP,RCA	210	TO 5	25	18	15.0		.150W	100J	3.000B	4UA	5V	80		.020A
2N1396	P	G	AMP,RCA	217	TO 33	40		.5	.010A	.240W	100J	30.000B	12UA	12V	90		
2N1397	P	G	RCA	217	TO 33	40		.5	.010A	.240W	100J	100.000B	12UA	12V	90		
2N1404	P	G	TII,ETC	217	TO 33	40		.5	.010A	.240W	100J	30.000B	12UA	12V	90		
2N1405	-P	G	TII	212	TO 5	25	25	20.0	.300A	.200W	85J	4.000B	5UA	15V			
2N1406	-P	G	TII	217	TO 12	30	20	1.0	.050A	.075W	100J	250.000G	5UA	12V	10		
2N1407	-P	G	TII	217	TO 12	30	20	1.0	.050A	.075W	100J	250.000G	5UA	12V	10		
2N1408	P	G	MOT,ETC,GIC	217	TO 12	30	20	1.0	.050A	.075W	100J	200.000G	5UA	12V	10		
2N1409	N	S	TRW,ETC	210	TO 5	50	50S	10.0	.200A	.150W	85J	AUD	7UA	5V	20		
2N1409A	N	S	TRW,ETC	211	TO 5	30	25R	4.0		.600W	175J	50.000G	10UA	20V	26		.150A
2N1410	N	S	TRW,ETC	211	TO 5	30	25R	4.0		.800W	175J	50.000G	10UA	20V	26		.150A
2N1410A	N	S	TRW,ETC	211	TO 5	45	30R	4.0		.600W	175J	50.000G	10UA	20V	52		.150A
2N1411	P	G	SPR,HUG	211	TO 5	45	30R	4.0		.800W	175J	50.000G	10UA	20V	52		.150A
2N1412	P	G	SOL,DEL,MOT,RCA,ETC,HUG	116	TO 24	5	5S		.050A	.025W	85J	MS SW	5UA	5V	32		.050A
2N1413	P	G	GEC,TAD,TII,ETC,MOT	405	TO 36	100	65	80.0	15.000A	150.000W	100J	.010E	4MA	100V	37		5.000A
2N1414	P	G	GEC,TAD,TII,MOT,ETC	212	TO 5	35	25R	10.0	.200A	.200W	85J	.800B	12UA	30V	36		
2N1415	P	G	GEC,TAD,TII,ETC,MOT	212	TO 5	35	25	10.0	.200A	.200W	85J	1.000B	12UA	30V	52		
2N1416			M.P.2N223	212	TO 5	35	25	10.0	.200A	.200W	85J	1.300B	12UA	30V	72		

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{eb}	V_{ce}	Maximum I_c	Power	Max. T_j(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N1417	N	S	TEC,HUG	210	TO 5	15	15	2.0	.050A	.150W	150A		10UA	30V	30	.010A
2N1418	N	S	TEC,HUG	210	TO 5	30	30	2.0	.050A	.150W	150A		1UA	15V	30	.001A
2N1420	N	S	MOT,GIC,TRW,TII,SES,ETC	210	TO 5	60	30R	5.0		.600W	175J	50.000G	1UA	30V	180	.150A
2N1420A	N	S	TRW,HUG	211	TO 5	60	40R	7.0	1.000A	.800W	200J	60.000G	10NA	50V	170	.150A
2N1425	-P	G	RCA	75	TO 7	24		.5	.010A	.080W	85J	33.000B	12UA	12V	50	
2N1426	-P	G	RCA	75	TO 7	24		.5	.010A	.080W	85J	33.000B	12UA	12V	130	
2N1427	P	G	SPR,HUG	116	TO 24	6	6S	6.0	.050A	.025W	85J	50.000G	5UA	6V	50	
2N1429	N	S	SOL,HUG	210	TO 5	6	6	6.0		.400W		10.000B	100NA		37	.001A
2N1430	P	G	BEN	607	TO 41	80			10.000A	50.000W	110J	.005E	200UA	2V	56	5.000A
2N1431	N	G	ETC	210	TO 5	20	15	1.0	.100A	.180W	75J	.010B	50UA	20V	90	
2N1431+	-N	G	SYL	10	TO 22	20	15	10.0	.100A	.180W	75J	.200G	50UA	20V	110	
2N1432	-P	G	SYL	217	TO 33	45	45	.5	.010A	.100W	100J	7.000G	15UA	45V	60	
2N1433	-P	G	CBS	427	TO 10	80	50	28.0	3.500A	35.000W	95J	.200B	2MA	80V	30	
2N1434	-P	G	CBS	427	TO 10	80	50	28.0	3.500A		95J	.200B	2MA	80V	80	
2N1435	-P	G	CBS	427	TO 10	80	50	28.0	3.500A		95J	.200B	2MA	80V	50	
2N1439		P S	SOL,HUG	210	TO 5	50	50	50.0	.100A	.400W	200J	.500B	25NA	15V	13	.001A
2N1440		P S	NSC,ETC,SOL,HUG	210	TO 5	60	50	60.0	.100A	.400W	200J	1.000B	25NA	60V	16	
2N1441		P S	NSC,ETC,SOL,HUG	210	TO 5	50	35	50.0	.100A	.400W	200J	1.000B	25NA	50V	26	
2N1442		P S	NSC,ETC,SOL,HUG	210	TO 5	50	30	50.0	.100A	.400W	200J	1.000B	25NA	50V	48	
2N1443		P S	NSC,SOL,HUG	210	TO 5	50	15	50.0	.100A	.400W	200J	1.000B	25NA	50V	70	
2N1445	N	S	TII,HUG	211	TO 5	120		8.0	.750A	.800W	200J	.075E	10UA	120V	40	.200A
2N1446	P	G	ETC	210	TO 5	45	25	15.0	.400A	.200W	85J	1.000B	10UA	30V	30	
2N1447	P	G	ETC	210	TO 5	45	25	15.0	.400A	.200W	85J	1.500B	10UA	30V	40	
2N1448	P	G	ETC	210	TO 5	45	25	15.0	.400A	.200W	85J	2.000B	10UA	30V	60	
2N1449	P	G	ETC	210	TO 5	45	25	15.0	.400A	.200W	85J	2.250B	10UA	30V	100	
2N1450	P	G	ETC	210	TO 5	30	20	1.0	.100A	.120W	85J		10UA	7V	40	.010A
2N1450+	-P	G	SYL	217	TO 33	30	20	1.0	.100A	.120W	100J	MS SW	100UA	30V	40	
2N1451	P	G	ETC	210	TO 5	45	20	10.0	.400A	.200W	85J	.750B	15UA	45V	40	
2N1452	P	G	ETC	210	TO 5	45	20	10.0	.400A	.200W	85J	1.150B	15UA	45V	60	
2N1469	P	S	SSD,SOL,HUG	210	TO 5	40	35	40.0	.100A	.250W	175J	2.000B	25NA	35V	50	
2N1471	P	G	ETC	210	TO 5	15	12	7.0	.200A	.200W	85J	3.000B	5UA	15V	160	
2N1472	N	S	ETC	211	TO 5	25	25	3.0	.100A	.300W	150J	75.000G	500NA	10V	30	.010A
2N1473	N	G	ETC	212	TO 40	40	40R	15.0	.400A	.250W	85J	4.000B	50UA	40V	38	.400A
2N1474	P	S	SSD,NSC,SOL,HUG	210	TO 5	60	60	60.0	.100A	.250W	175J	1.000B	50NA	50V	30	.001A
2N1474A	P	S	SSD,SOL,HUG	210	TO 5	60	60	60.0	.100A	.250W	175J	2.000B	50NA	50V	26	.001A
2N1475	P	S	SSD,NSC,SOL,HUG	210	TO 5	60	60	60.0	.100A	.250W	175J	1.000B	50NA	50V	60	.001A
2N1476	P	S	SSD,NSC,SOL,HUG	210	TO 5	100	100	100.0	.100A	.250W	175J	1.000B	200NA	80V	24	.001A
2N1477	P	S	SSD,SOL,HUG	210	TO 5	100	100	100.0	.100A	.250W	175J	1.000B	200NA	80V	44	.001A
2N1478	P	G	ETC	211	TO 5	30	20R	20.0	.500A	.250W	100J	3.000B	25UA	30V	60	.100A
2N1479	N	S	AMF,RCA,TEC,HUG	211	TO 5	60	40	12.0	1.500A	5.000W	200J	1.500B	10UA	30V	36	
2N1480	N	S	AMF,RCA,TEC,HUG	211	TO 5	100	55	12.0	1.500A	5.000W	200J	1.500B	10UA	30V	36	
2N1481	N	S	AMF,RCA,TEC,HUG	211	TO 5	60	40	12.0	1.500A	5.000W	200J	1.500B	10UA	30V	70	
2N1482	N	S	AMF,RCA,TEC,HUG	211	TO 5	100	55	12.0	1.500A	5.000W	200J	1.500B	10UA	30V	70	
2N1483	N	S	AMF,RCA,ETC	171	TO 8	60	40	12.0	3.000A	25.000W	200J	1.250B	15UA	30V	36	.750A
2N1484	N	S	AMF,ETC	171	TO 8	100	55	12.0	3.000A	25.000W	200J	1.250B	15UA	30V	36	.750A
2N1485	N	S	AMF,RCA,ETC	171	TO 8	60	40	12.0	3.000A	25.000W	200J	1.250B	15UA	30V	70	.750A
2N1486	N	S	AMF,RCA,ETC	171	TO 8	100	55	12.0	3.000A	25.000W	200J	1.250B	15UA	30V	70	.750A
2N1487	N	S	AMF,BEN,RCA,ETC,HUG	605	TO 3	60	40	10.0	6.000A	75.000W	200J	1.000B	25UA	30V	30	1.500A
2N1488	N	S	AMF,BEN,ETC,RCA,HUG	605	TO 3	100	55	10.0	6.000A	75.000W	200J	1.000B	25UA	30V	30	1.500A
2N1489	N	S	AMF,BEN,RCA,ETC,HUG	605	TO 3	60	40	10.0	6.000A	75.000W	200J	1.000B	25UA	30V	40	1.500A
2N1490	N	S	AMF,BEN,RCA,ETC,HUG	605	TO 3	100	55	10.0	6.000A	75.000W	200J	1.000B	25UA	30V	40	1.500A
2N1491	N	S	RCA	217	TO 12	30		1.0	.005A	.500W	175C	250.000B	10UA	12V	60	
2N1492	N	S	RCA	217	TO 12	60		2.0	.005A	.500W	175C	275.000B	10UA	12V	60	
2N1493	N	S	RCA	217	TO 12	100		4.5	.005A	.500W	175C	300.000B	10UA	12V		
2N1494	P	G	MOT	211	211P	20	15	4.0	.500A	.750W	100J	110.000G	7UA	5V	35	.400A
2N1494A	P	G	MOT	211	211P	20	15	4.0	.500A	.750W	100J	110.000G	7UA	5V	50	.200A
2N1495	P	G	MOT	210	TO 5	40	25	4.0	.500A	.300W	100J	150.000G	7UA	5V	50	.200A
2N1496	P	G	MOT	211	211P	40	25	4.0	.500A	.750W	100J	150.000G	7UA	5V	50	.200A
2N1499	P	G	ETC,HUG	170	TO 9	20	15S	2.0	.050A	.025W	85J		100UA	20V	30	.040A
2N1499A	P	G	SPR,ETC,HUG	170	TO 9	20	20S	2.0	.100A	.060W	100J	100.000G	3UA	5V	50	.040A
2N1499B	P	G	SPR,ETC,HUG	170	TO 9	30	20	2.0	.100A	.075W	100J	150.000G	3UA	5V	80	.010A
2N1500	P	G	SPR,ETC,MOT,HUG	170	TO 9	15	12S	2.0	.050A	.060W	100J	120.000G	5UA	5V	60	
2N1501	P	G	SOL,HUG	427	TO 10	60	40	28.0	3.500A	32.000W	100J	.200G	2MA	60V	60	2.000A
2N1502	P	G	SOL,HUG	427	TO 10	40	40	28.0	3.500A	32.000W	100J	.200G	2MA	40V	60	2.000A
2N1505			SEE RF POWER SECTION													
2N1506			SEE RF POWER SECTION													
2N1506A			SEE RF POWER SECTION													
2N1507	N	S	TRW,TII,RAY,ETC,HUG	211	TO 5	60	25	5.0		.600W	175J	50.000G	1UA	30V	160	
2N1510	-N	G	GEC	12	12A	75	70R	8.0	.020A	.075W	85J		5UA	75V	50	
2N1511	N	S	STC,HUG	405	TO 36	60	40	10.0	6.000A	75.000W	200A	1.000B	25UA	30V	30	
2N1512	N	S	STC,HUG	405	TO 36	100	55	10.0	6.000A	75.000W	200A	1.000B	25UA	30V	30	
2N1513	N	S	STC,HUG	405	TO 36	60	40	10.0	6.000A	75.000W	200A	1.000B	25UA	30V	50	
2N1514	N	S	STC,HUG	405	TO 36	100	55	10.0	6.000A	75.000W	200A	1.000B	25UA	30V	50	
2N1518	P	G	DEL,ETC,SOL	405	TO 36	50	40	30.0	25.000A	150.000W	100J	.004E	4MA	50V	30	15.000A
2N1519	P	G	DEL,ETC,SOL	405	TO 36	80	60	30.0	25.000A	150.000W	100J	.004E	4MA	80V	30	15.000A
2N1520	P	G	DEL,ETC,SOL	405	TO 36	50	40	30.0	35.000A	150.000W	100J	.004E	4MA	50V	34	15.000A
2N1521	P	G	DEL,ETC,SOL	405	TO 36	80	60	30.0	35.000A	150.000W	100J	.004E	4MA	80V	34	15.000A
2N1522	P	G	DEL,ETC,SOL	405	TO 36	50	40	30.0	50.000A	150.000W	100J	.004E	4MA	50V	50	15.000A
2N1523	P	G	DEL,ETC,SOL	405	TO 36	80	60	30.0	50.000A	150.000W	100J	.004E	4MA	80V	50	15.000A
2N1524	P	G	RCA	120	TO 1	24		.5	.010A	.080W	71A	33.000B	16UA	12V	60	
2N1525	-P	G	RCA	55	TO 40	24		.5	.010A	.080W	71A	33.000B	16UA	12V	60	
2N1526	P	G	RCA	120	TO 1	24		.5	.010A	.080W	71A	33.000B	16UA	12V	130	
2N1527	-P	G	RCA	55	TO 40	24		.5	.010A	.080W	71A	33.000B	16UA	12V	130	
2N1529	P	G	BEN,MOT,ETC,TII,HUG	605	TO 3	40	20	20.0	5.000A	90.000W	100J	.010E	2MA	25V	30	3.000A
2N1529A	P	G	MOT,BEN,HUG	605	TO 3	40	20	20.0	5.000A	106.000W	110J	.004E	2MA	25V	30	3.000A
2N1530	P	G	BEN,MOT,ETC,TII,HUG	605	TO 3	60	30	30.0	5.000A	90.000W	100J	.010E	2MA	40V	30	3.000A
2N1530A	P	G	MOT,BEN,HUG	605	TO 3	60	30	30.0	5.000A	106.000W	110J	.004E	2MA	40V	30	3.000A
2N1531	P	G	BEN,MOT,ETC,TII,HUG	605	TO 3	80	40	40.0	5.000A	90.000W	100J	.010E	2MA	55V	30	3.000A
2N1531A	P	G	MOT,BEN,HUG	605	TO 3	80	40	40.0	5.000A	106.000W	110J	.004E	2MA	55V	30	3.000A
2N1532	P	G	BEN,MOT,ETC,TII,HUG	605	TO 3	100	50	50.0	5.000A	90.000W	100J	.010E	2MA	65V	30	3.000A
2N1532A	P	G	MOT,BEN,HUG	605	TO 3	100	50	50.0	5.000A	106.000W	110J	.004E	2MA	65V	30	3.000A
2N1533	P	G	BEN,MOT,ETC,TII,HUG	605	TO 3	120	60	60.0	5.000A	90.000W	100J	.010E	2MA	80V	30	3.000A
2N1534	P	G	BEN,OEL,MOT,ETC,TII,HUG	605	TO 3	40	20	20.0	5.000A	90.000W	100J	.008E	2MA	25V	52	3.000A
2N1534A	P	G	MOT,BEN,HUG	605	TO 3	40	20	20.0	5.000A	106.000W	110J	.004E	2MA	25V	52	3.000A
2N1535	P	G	BEN,OEL,MOT,ETC,TII,HUG	605	TO 3	60	30	30.0	5.000A	90.000W	100J	.008E	2MA	40V	52	3.000A
2N1535A	P	G	MOT,BEN,HUG	605	TO 3	60	30	30.0	5.000A	106.000W	110J	.004E	2MA	40V	52	3.000A
2N1536	P	G	BEN,DEL,MOT,ETC,TII,HUG	605	TO 3	80	40	40.0	5.000A	90.000W	100J	.008E	2MA	55V	52	3.000A
2N1536A	P	G	MOT,BEN,HUG	605	TO 3	80	40	40.0	5.000A	106.000W	110J	.004E	2MA	55V	52	3.000A
2N1537	P	G	BEN,MOT,ETC,TII,HUG	605	TO 3	100	50	50.0	5.000A	90.000W	100J	.008E	2MA	65V	52	3.000A
2N1537A	P	G	MOT,BEN,ETC,HUG	605	TO 3	100	50	50.0	5.000A	106.000W	110J	.004E	2MA	65V	52	3.000A
2N1538	P	G	BEN,MOT,ETC,TII,HUG	605	TO 3	120	60	60.0	5.000A	90.000W	100J	.008E	2MA	80V	52	3.000A
2N1539	P	G	BEN,DEL,MOT,TII,ETC,SOL	605	TO 3	40	20	12.0	5.000A	90.000W	100J	.200G	2MA	25V	75	3.000A
2N1539A	P	G	MOT,BEN,SOL,HUG	605	TO 3	40	20	20.0	5.000A	90.000W	100J	.004E	2MA	25V	74	3.000A
2N1540	P	G	BEN,OEL,MOT,TII,ETC,SOL	605	TO 3	60	30	12.0	5.000A	90.000W	100J	.200G	2MA	40V	75	3.000A
2N1540A	P	G	MOT,BEN,SOL,HUG	605	TO 3	60	30	30.0	5.000A	90.000W	100J	.004E	2MA	40V	74	3.000A
2N1541	P	G	BEN,DEL,MOT,TII,ETC,SOL	605	TO 3	80	40	12.0	5.000A	90.000W	100J	.200G	2MA	55V	75	3.000A
2N1541A	P	G	MOT,BEN,SOL,HUG	605	TO 3	80	40	40.0	5.000A	90.000W	100J	.004E	2MA	55V	74	3.000A
2N1542	P	G	BEN,DEL,MOT,TII,ETC,SOL	605	TO 3	100	50	12.0	5.000A	90.000W	100J	.200G	2MA	65V	75	3.000A
2N1542A	P	G	MOT,BEN,SOL,HUG	605	TO 3	100	50	50.0	5.000A	90.000W	100J	.004E	2MA	65V	74	3.000A

Transistor Type No.	N. G / P S	Manufacturer	Lead Ident	Out line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T(°C)	Frequency Resp (MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N1543	P G	BEN,OEL,MOT,TII,ETC,SOL	605	TO 3	120	60	12.0	5.000A	90.000W	100J	.200G	2MA	80V	75	3.000A
2N1544	P G	BEN,OEL,MOT,ETC,TII,SOL	605	TO 3	40	20	12.0	5.000A	90.000W	100J	.002E	2MA	25V	110	3.000A
2N1544A	P G	MOT,BEN,SOL,HUG	605	TO 3	40	20	20.0	5.000A	90.000W	100J	.004E	2MA	25V	100	3.000A
2N1545	P G	BEN,OEL,MOT,ETC,TII,SOL	605	TO 3	60	30	12.0	5.000A	90.000W	100J	.002E	2MA	40V	110	3.000A
2N1545A	P G	MOT,BEN,SOL,HUG	605	TO 3	60	30	30.0	5.000A	90.000W	100J	.004E	2MA	40V	100	3.000A
2N1546	P G	BEN,OEL,MOT,ETC,TII,SOL	605	TO 3	80	40	12.0	5.000A	90.000W	100J	.002E	2MA	55V	110	3.000A
2N1546A	P G	MOT,BEN,SOL,HUG	605	TO 3	80	40	40.0	5.000A	90.000W	100J	.004E	2MA	55V	100	3.000A
2N1547	P G	BEN,OEL,MOT,ETC,TII,SOL	605	TO 3	100	50	12.0	5.000A	90.000W	100J	.002E	2MA	65V	110	3.000A
2N1547A	P G	MOT,BEN,SOL,HUG	605	TO 3	100	50	50.0	5.000A	90.000W	100J	.004E	2MA	65V	100	3.000A
2N1548	P G	BEN,MOT,ETC,TII,SOL,HUG	605	TO 3	120	60	12.0	5.000A	90.000W	100J	.002E	2MA	80V	110	3.000A
2N1549	P G	BEN,MOT,ETC,SOL,HUG	605	TO 3	40	20	20.0	15.000A	90.000W	100J	.010E	3MA	25V	20	10.000A
2N1549A	P G	MOT,BEN,SOL,HUG	605	TO 3	40	20	20.0	15.000A	90.000W	100J	.010E	3MA	25V	20	10.000A
2N1550	P G	BEN,MOT,ETC,SOL,HUG	605	TO 3	60	30	30.0	15.000A	90.000W	100J	.010E	3MA	45V	20	10.000A
2N1550A	P G	MOT,BEN,SOL,HUG	605	TO 3	60	30	30.0	15.000A	90.000W	100J	.010E	3MA	40V	20	10.000A
2N1551	P G	BEN,MOT,ETC,SOL,HUG	605	TO 3	80	40	40.0	15.000A	90.000W	100J	.010E	3MA	55V	20	10.000A
2N1551A	P G	MOT,BEN,SOL,HUG	605	TO 3	80	40	40.0	15.000A	90.000W	100J	.010E	3MA	65V	20	10.000A
2N1552	P G	BEN,MOT,ETC,SOL,HUG	605	TO 3	100	50	50.0	15.000A	90.000W	100J	.010E	3MA	65V	20	10.000A
2N1552A	P G	MOT,BEN,SOL,HUG	605	TO 3	100	50	50.0	15.000A	90.000W	100J	.010E	3MA	65V	20	10.000A
2N1553	P G	BEN,MOT,ETC,SOL,HUG	605	TO 3	40	20	12.0	15.000A	90.000W	100J	.006E	3MA	25V	44	10.000A
2N1553A	P G	MOT,BEN,SOL,HUG	605	TO 3	40	20	20.0	15.000A	90.000W	100J	.006E	3MA	25V	44	10.000A
2N1554	P G	BEN,MOT,ETC,SOL,HUG	605	TO 3	60	30	12.0	15.000A	90.000W	100J	.010E	3MA	40V	44	10.000A
2N1554A	P G	MOT,BEN,SOL,HUG	605	TO 3	60	30	30.0	15.000A	90.000W	100J	.006E	3MA	40V	44	10.000A
2N1555	P G	BEN,MOT,ETC,SOL,HUG	605	TO 3	80	40	12.0	15.000A	90.000W	100J	.006E	3MA	55V	44	10.000A
2N1555A	P G	MOT,BEN,SOL,HUG	605	TO 3	80	40	40.0	15.000A	90.000W	100J	.006E	3MA	55V	44	10.000A
2N1556	P G	BEN,MOT,ETC,SOL,HUG	605	TO 3	100	50	12.0	15.000A	90.000W	100J	.010E	3MA	65V	20	10.000A
2N1556A	P G	MOT,BEN,SOL,HUG	605	TO 3	100	50	50.0	15.000A	90.000W	100J	.006E	3MA	65V	44	10.000A
2N1557	P G	BEN,MOT,ETC,SOL,HUG	605	TO 3	40	20	12.0	15.000A	90.000W	100J	.005E	3MA	25V	70	10.000A
2N1557A	P G	MOT,BEN,SOL,HUG	605	TO 3	40	20	20.0	15.000A	90.000W	100J	.005E	3MA	25V	74	10.000A
2N1558	P G	BEN,MOT,ETC,SOL,HUG	605	TO 3	60	30	12.0	15.000A	90.000W	100J	.005E	3MA	40V	70	10.000A
2N1558A	P G	MOT,BEN,SOL,HUG	605	TO 3	60	30	30.0	15.000A	90.000W	100J	.005E	3MA	40V	74	10.000A
2N1559	P G	BEN,MOT,ETC,SOL,HUG	605	TO 3	80	40	12.0	15.000A	90.000W	100J	.005E	3MA	55V	70	10.000A
2N1559A	P G	MOT,BEN,SOL,HUG	605	TO 3	80	40	40.0	15.000A	90.000W	100J	.005E	3MA	55V	74	10.000A
2N1560	P G	BEN,MOT,ETC,SOL,HUG	605	TO 3	100	50	12.0	15.000A	90.000W	100J	.005E	3MA	65V	70	10.000A
2N1560A	P G	MOT,BEN,SOL,HUG	605	TO 3	100	50	50.0	15.000A	90.000W	100J	.005E	3MA	65V	74	10.000A
2N1561	P G	MOT	171	171O	25	25	3.0	.250A	.250W	100J	500.000G	10UA	10V	3	.050A
2N1562	P G	MOT	171	171O	25	25	2.0	.250A	.250W	100J	450.000G	10UA	10V	3	.050A
2N1564	N S	AMC,CSF,TII,TRW,ETC,NSC	211	TO 5	60	60	5.0	.500A	.600W	175J	30.000G	1UA	40V	36	.005A
2N1565	N S	AMC,CSF,TII,TRW,ETC,NSC	211	TO 5	80	60	5.0	.500A	.600W	175J	30.000G	1UA	40V	55	.005A
2N1566	N S	AMC,TII,TRW,ETC,NSC,TEC	211	TO 5	80	60	5.0	.500A	.600W	175J	60.000G	1UA	40V	120	.005A
2N1566A	N S	TII,ETC	211	TO 5	80	60	8.0	.100A	.600W	175J	100.000G	500NA	40V	12	
2N1572	N S	AMC,CSF,TII,ETC,TEC	211	TO 5	125	80	5.0		.600W	175J	30.000G	1UA	40V	28	.005A
2N1573	N S	AMC,CSF,TII,ETC,TEC	211	TO 5	125	80	5.0		.600W	175J	60.000G	1UA	40V	55	.005A
2N1574	N S	AMC,CSF,TII,ETC,TEC	211	TO 5	125	80	5.0		.600W	175J	60.000G	1UA	40V	140	.005A
2N1586	N S	ETC,TII,TEC,HUG	210	TO 5	15		1.0	.025A	.125W	100J	4.000B	1UA	15V	16	.001A
2N1587	N S	ETC,TII,TEC,HUG	210	TO 5	30		1.0	.025A	.125W	100J	4.000B	1UA	30V	16	.001A
2N1588	N S	ETC,TII,TEC,HUG	210	TO 5	60		1.0	.025A	.125W	100J	4.000B	1UA	60V	16	.001A
2N1589	N S	ETC,TII,TEC,HUG	210	TO 5	15		1.0	.025A	.125W	100J	5.000B	1UA	15V	39	.001A
2N1590	N S	ETC,TII,TEC,HUG	210	TO 5	30		1.0	.025A	.125W	100J	5.000B	1UA	30V	39	.001A
2N1591	N S	ETC,TII,TEC,HUG	210	TO 5	60		1.0	.025A	.125W	100J	5.000B	1UA	60V	39	.001A
2N1592	N S	ETC,TII,TEC,HUG	210	TO 5	15		1.0	.025A	.125W	100J	6.000B	1UA	15V	129	.001A
2N1593	N S	ETC,TII,TEC,HUG	210	TO 5	30		1.0	.025A	.125W	100J	6.000B	1UA	30V	129	.001A
2N1594	N S	ETC,TII,TEC,HUG	210	TO 5	60		1.0	.025A	.125W	100J	6.000B	1UA	60V	129	.001A
2N1605	N G	RCA,TAD,ETC,TII	212	TO 5	25	24	12.0	.200A	.150W	100J	4.000B	5UA	12V	70	
2N1605A	N G	RCA,TAO,ETC	212	TO 5	40		12.0	.200A	.200W	100J	4.000B	10UA	40V	70	
2N1609	-P G	DEL	631	TO 37	80	60	40.0	1.500A	7.500W	100J	.017E	100UA	80V	50	
2N1610	-P G	DEL	631	TO 37	80	60	40.0	1.500A	7.500W	100J	.015E	100UA	80V	90	
2N1611	-P G	DEL	631	TO 37	60	40	20.0	1.500A	7.500W	100J	.017E	100UA	60V	50	
2N1612	-P G	DEL	631	TO 37	60	40	20.0	1.500A	7.500W	100J	.015E	100UA	60V	90	
2N1613	N S	AMC,GEC,RCA,RAY,TII,MOT	211	TO 5	75	50R	7.0	1.000A	.800W	200J	60.000G	10NA	60V	70	.150A
2N1613A	N S	RAY	211	TO 5	75	50R	7.0		1.000W	200J	60.000G	10NA	60V	70	.150A
2N1613B	N S	RAY	211	TO 5	125	50R	7.0		1.000W	200J	60.000G	10NA	60V	70	.150A
2N1614	P G	ETC	210	TO 5	65	40R	12.0	.300A	.240W	85J	1.500B	25UA	65V	30	
2N1614+	P G	GEC	57	57B	65	40R	12.0	.300A	.240W	100J	.500B	25UA	25V	26	
2N1615	N S	ETC,TEC,HUG	211	TO 5	100	100	8.0	.200A	.600W	175J	2.000G	2UA	60V	38	.005A
2N1616	N S	AMF,TEC,BEN,SES,ETC,HUG	561	TO 61	60	60	8.0	5.000A	60.000W	150J	3.000G	10MA	60V	40	2.000A
2N1617	N S	AMF,TEC,BEN,SES,ETC,HUG	561	TO 61	80	70	8.0	5.000A	60.000W	150J	3.000G	10MA	80V	40	2.000A
2N1617A	N S	BEN,TEC,HUG	561	TO 61	100	100		7.500A	85.000W	200J	3.000G	200UA	80V	36	2.000A
2N1618	N S	AMF,BEN,TEC,SES,ETC,HUG	561	TO 61	100	100	8.0	5.000A	60.000W	175C	3.000G	10MA	100V	36	2.000A
2N1618A	N S	BEN,TEC,HUG	561	TO 61	100	100		7.500A	85.000W	200J	3.000G	200UA	100V	36	2.000A
2N1620	N S	TEC,BEN,ETC,HUG	561	TO 61	100	80	8.0	5.000A	60.000W	175J	3.000G	1MA	100V	30	2.000A
2N1623	P S	HUG,ETC,NSC,SOL	210	TO 5	50	20	20.0	.050A	.250W	160J	.100B	1UA	30V	24	.001A
2N1624	N G	ETC	210	TO 5	45		15.0		.150W	100J	5.000B	10UA	25V	120	
2N1631	-P G	RCA	55	TO 40	34		.5	.010A	.080W	71A	45.000B	16UA	12V	80	
2N1632	P G	RCA	120	TO 1	34		.5	.010A	.080W	71A	45.000B	16UA	12V	80	
2N1633	-P G	RCA	55	TO 40	34		.5	.010A	.080W	71A	40.000B	16UA	12V	75	
2N1634	-P G	RCA	120	TO 1	34		.5	.010A	.080W	71A	40.000B	16UA	12V	75	
2N1635	-P G	RCA	55	TO 40	34		.5	.010A	.080W	71A	45.000B	16UA	12V	75	
2N1636	-P G	RCA	120	TO 1	34		.5	.010A	.080W	71A	45.000B	16UA	12V	75	
2N1637	P G	RCA	120	TO 1	34		1.5	.010A	.080W	71A	45.000B	5UA	12V	80	
2N1638	P G	RCA	120	TO 1	34		.5	.010A	.080W	71A	40.000B	7UA	12V	75	
2N1639	P G	RCA	120	TO 1	34		.5	.010A	.080W	71A	45.000B	7UA	12V	75	
2N1643	N S	SOL,HUG	210	TO 5	25	25	20.0		.400W		1.000B	1NA		16	.001A
2N1646	-P G	SYL	171	171S	15	12	2.0	.050A	.150W	100J	HS SW	3UA	5V	40	
2N1647	N S	TEC,ETC,HUG	505	505A	80	60	6.0		40.000W	175J	10.000B	100UA	60V	30	.500A
2N1648	N S	TEC,ETC,HUG	505	505A	120	80	6.0		40.000W	175J	10.000B	100UA	60V	52	.500A
2N1649	N S	TEC,ETC,HUG	505	505A	80	60	6.0		40.000W	175J	10.000B	100UA	60V	30	.500A
2N1650	N S	TEC,ETC,HUG	505	505A	120	80	6.0		40.000W	175J	10.000B	100UA	60V	52	.500A
2N1651	P G	BEN,ETC,MOT,HUG	607	TO 41	60	30	1.5	25.000A	100.000W	110J	.010E	300UA	2V	40	25.000A
2N1652	P G	BEN,ETC,MOT	607	TO 41	100	60	1.5	25.000A	100.000W	110J	.010E	300UA	2V	40	25.000A
2N1653	P G	BEN,ETC,MOT	607	TO 41	120	80	1.5	25.000A	100.000W	110J	.010E	300UA	2V	40	25.000A
2N1654	N S	SOL,HUG	210	TO 5	100	80	100.0	.050A	.250W	160J	.010E	300UA	2V	40	25.000A
2N1655	N S	SOL,HUG	210	TO 5	125	100	125.0	.050A	.250W	160J	.100B	1UA	80V	31	.001A
2N1656	N S	SOL,HUG	210	TO 5	125	100	125.0	.050A	.250W	160J	.100B	1UA	100V	31	.001A
2N1658	-P G	MHR	490	490A	80	50	40.0	3.000A	15.000W	100J	.100B	1UA	100V	31	.001A
2N1659	-P G	MHR	490	490A	60	40	40.0	3.000A	15.000W	100J	.500G	500UA	80V	60	
2N1667	-P G	AMP	605	TO 3	60	48	20.0	8.000A	43.000W	90J	.500G	500UA	40V	60	
2N1668	-P G	AMP	605	TO 3	60	48	20.0	8.000A	43.000W	90J	.125B	100UA	14V	90	
2N1669	-P G	AMP	605	TO 3	80	60	40.0	8.000A	43.000W	90J	.125B	100UA	14V	50	
2N1672	N G	ETC	210	TO 5	40	25	10.0		.120W	85J	.125B	100UA	14V	66	
2N1672A	N G	ETC	210	TO 5	40	25	10.0		.150W	85J	2.000B	25UA	40V	30	.001A
2N1673	-P G	SYL	210	TO 5	40	25	10.0		.150W	85J	2.000B	25UA	40V	30	.001A
2N1674	N S	TEC,HUG	217	TO 33	35		.5	.010A	.080W	85J	20.000G	50UA	40V	100	
2N1676	P S	SPR,HUG	210	TO 5	45	45	2.0	.025A	.200W	200A	20.000G	500NA	45V	75	
2N1677	P S	SPR,HUG	210	TO 5	4	4	4.5	.050A	.100W	140J	16.000G	100NA	4V	50	
2N1678	-P G	GTC	210	TO 5	4	4	4.5	.050A	.100W	140J	16.000G	100NA	4V	50	
2N1681	P G	ETC	170	TO 9	60	60S	4.0		.125W	85J	25.000B	5UA	10V	40	
2N1683	P G	RCA	210	TO 5	30	15	20.0	.200A	.180W	100J	5.000B	25UA	30V	60	.010A
2N1684	-P G	SYL	210	TO 5	13	12R	4.0	.100A	.150W	85J	50.000G	3UA	6V	76	
2N1685	-N G	SYL	212	TO 47	25		12.0	.200A	.100W	100J	4.000B	5UA	12V		
			212	TO 47	25		15.0	.200A	.100W	100J	8.000B	10UA	15V	100	

Transistor Type No.	N, P	G, S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{r,b}$	$V_{c,b}$	$V_{e,b}$	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{c,b0}$ @	$V_{c,b}$	Gain h_{fe} @	I_c
2N1692	P	G	MOT	546	546B	25	25	3.0	.250A	3.000W	100J	500.000G	10UA	10V	3	.050A
2N1693	P	G	MOT	546	546B	25	25	2.0	.250A	3.000W	100J	450.000G	10UA	10V	3	.050A
2N1694	N	G	GEC	12	12A	20	20	10.0	.075A	.025W	85J	3.000B	1UA	15V	25	
2N1699	-N	G	SYL	212	TO 47	25	20R	15.0	.100A	.200W	100J	8.000B	10UA	25V	90	
2N1700	N	S	RCA,ETC,TEC	211	TO 5	60	40	6.0	1.000A	5.000W	200J	1.200B	75UA	30V	50	
2N1701	N	S	AMF,RCA,ETC	171	TO 8	60	40	6.0	2.500A	25.000W	200J	1.000B	100UA	30V	50	
2N1702	N	S	RCA,BEN,ETC	605	TO 3	60	40	6.0	5.000A	75.000W	200J	1.000B	200UA	30V	40	
2N1703	-N	S	BEN	405	TO 36	60	40	6.0	5.000A	75.000W	200J	1.000B	200UA	30V	40	
2N1704	N	S	ETC	211	TO 5	45	45	5.0		.500W	100J	12.500G	10UA	10V	100	.001A
2N1705	P	G	MOT,ETC	212	TO 5	18	12R	5.0	.400A	.200W	100J	4.000B	10UA	10V	110	
2N1706	P	G	MOT,ETC	212	TO 5	25	18R	5.0	.400A	.200W	100J	3.000B	10UA	10V	90	.010A
2N1707	P	G	MOT,ETC	212	TO 5	30	25R	10.0	.400A	.200W	100J	3.000B	15UA	25V	90	.020A
2N1708	N	S	ITT,MOT,HUG,FSC	211	TO 46	25	12R	3.0	2.000A	1.000W	175C	200.000G	25NA	15V	40	.010A
2N1709			SEE RF POWER SECTION													
2N1710			SEE RF POWER SECTION													
2N1711	N	S	AMC,GEC,RCA,RAY,TII,MOT	211	TO 5	75	50R	7.0	1.000A	.800W	200J	70.000G	10NA	60V	175	.150A
2N1711A	N	S	RAY,HUG	211	TO 5	75	50R	7.0		1.000W	200J	70.000G	10NA	60V	175	.150A
2N1711B	N	S	RAY	211	TO 5	120	50	7.0		1.000W	200J	70.000G	10NA	60V	40	
2N1714	N	S	TII,SSP,BEN,TEC	211	TO 5	60	60	6.0	.750A	.800W	175J	16.000G	2UA	60V	40	
2N1715	N	S	TII,SSP,TEC	211	TO 5	100	100	6.0	.750A	.800W	175J	16.000G	2UA	60V	80	
2N1716	N	S	TII,SSP,BEN,TEC	211	TO 5	60	60	6.0	.750A	.800W	175J	16.000G	2UA	60V	80	
2N1717	N	S	TII,SSP,TEC	211	TO 5	100	100	6.0	.750A	.800W	175J	16.000G	2UA	60V	80	
2N1718	N	S	TII,SSP,BEN,TEC	541	5410	60	60	6.0	.750A	10.000W	175J	16.000G	2UA	60V	40	
2N1719	N	S	TII,SSP,TEC,HUG	541	5410	100	100	6.0	.750A	10.000W	175J	16.000G	2UA	60V	40	
2N1720	N	S	TII,SSP,BEN,TEC,HUG	541	5410	60	60	6.0	.750A	10.000W	175J	16.000G	2UA	60V	80	
2N1721	N	S	TII,SSP,TEC,HUG	541	5410	100	100	6.0	.750A	10.000W	175J	16.000G	2UA	60V	80	
2N1722	N	S	TII,BEN,STC,ETC,TEC,HUG	731	TO 53	120	80	10.0	5.000A	50.000W	175J	10.000G	1MA	60V	56	2.000A
2N1722A	N	S	TII,STC,TEC,HUG	731	TO 53	180	120	10.0	5.000A	50.000W	175J	10.000G	1MA	3V	60	2.000A
2N1723	N	S	TII,BEN,STC,TEC,HUG	731	TO 53	120	80	10.0	5.000A	50.000W	175J	10.000G	100NA	3V	100	2.000A
2N1724	N	S	TII,BEN,STC,SES,ETC,FSC	561	TO 61	120	80	10.0	5.000A	50.000W	175J	10.000G	1MA	60V	56	2.000A
2N1724A	N	S	TII,TEC,STC,SES,HUG	561	TO 61	180	120	10.0	5.000A	50.000W	175J	10.000G	100NA	3V	60	2.000A
2N1725	N	S	TEC,TII,BEN,STC,SES,FSC	561	TO 61	120	80	10.0	5.000A	50.000W	175J	10.000G	1MA	60V	100	2.000A
2N1726	P	G	SPR,ETC,HUG	170	TO 9	20	20S	1.0	.050A	.060W	100J	100.000G	10UA	5V	100	
2N1727	P	G	SPR,ETC,HUG	170	TO 9	20	20S	.5	.050A	.060W	100J	100.000G	10UA	5V	40	
2N1728	P	G	SPR,ETC	170	TO 9	20	20S	.5	.050A	.060W	100J	100.0000	10UA	5V	80	
2N1742	P	G	SPR,ETC,MOT,HUG	170	TO 9	20	20S	.5	.050A	.060W	107J	980.000G	10UA	10V	32	
2N1743	P	G	SPR,ETC,HUG	170	TO 9	20	20S	.5	.050A	.060W	107J	VHFCON	10UA	10V	32	
2N1744	P	G	SPR,ETC,HUG	170	TO 9	20	20S	.5	.050A	.060W	100J	VHFOSC	10UA	10V	32	
2N1745	P	G	SPR,ETC,HUG	170	TO 9	20	20S	.5	.050A	.060W	100J	200.000F	10UA	10V	32	
2N1746	P	G	SPR,ETC,HUG	170	TO 9	20	20S	1.0	.050A	.060W	100J	100.000F	10UA	10V	60	.001A
2N1747	P	G	SPR,ETC,HUG	170	TO 9	20	20S	.5	.050A	.060W	100J	FM IF	10UA	10V	60	.001A
2N1748	P	G	SPR,ETC,HUG	170	TO 9	25	25S	1.0	.050A	.060W	100J	80.000G	10UA	12V	58	.001A
2N1748A	P	G	SPR,ETC,HUG	170	TO 9	25	25S	.5	.050A	.060W	100J	100.000G	10UA	12V	88	.001A
2N1749	P	G	SPR,ETC,HUG	170	TO 9	40	40S	1.0	.050A	.075W	100J	80.000G	10UA	12V	68	.001A
2N1751	P	G	BEN,MOT	605	TO 3	80	60	2.5	25.000A	100.000W	110J	1.500B	5MA	80V	60	20.000A
2N1752	P	G	SPR,ETC,HUG	170	TO 9	12	12S	2.0	.050A	.060W	100J	50.000G	10UA	10V	125	
2N1754	P	G	SPR,ETC,HUG,MOT	170	TO 9	13	13S	2.0	.100A	.050W	85J	HS SW	5UA	5V	40	.040A
2N1755	-P	G	CLE	640	640A	40	25	30.0	3.000A	30.000W	100J	.015E	50UA	2V	50	
2N1756	-P	G	CLE	640	640A	60	40	30.0	3.000A	30.000W	100J	.015E	50UA	2V	50	
2N1757	-P	G	CLE	640	640A	80	55	30.0	3.000A	30.000W	100J	.015E	50UA	2V	50	
2N1758	-P	G	CLE	640	640A	100	65	30.0	3.000A	30.000W	100J	.015E	50UA	2V	50	
2N1759	-P	G	SOL	640	640A	40	25	30.0	10.000A	28.000W	80J				23	5.000A
2N1760	-P	G	SOL	640	640A	60	40	30.0	10.000A	28.000W	80J				23	5.000A
2N1761	-P	G	SOL	640	640A	80	55	30.0	10.000A	28.000W	80J				23	5.000A
2N1768	N	S	TEC	461	461A	60	40	12.0	3.000A	40.000W	200J	1.250B	15UA	15V	68	
2N1769	N	S	TEC	461	461A	100	55	12.0	3.000A	40.000W	200J	1.250B	15UA	15V	68	
2N1779	-N	G	SYL	212	TO 54	25	20R	15.0	.100A	.100W	100J	MS SW	10UA	25V	40	
2N1780	-N	G	SYL	212	TO 54	25	20R	15.0	.100A	.100W	100J	4.000B	10UA	25V	70	
2N1781	-N	G	SYL	212	TO 54	25		12.0	.100A	.100W	100J	4.000B	5UA	12V	80	
2N1782	-P	G	SYL	212	TO 54	30	20	20.0	.100A	.100W	100J	5.000B	6UA	20V	90	
2N1783	-P	G	SYL	212	TO 54	30	15	20.0	.100A	.100W	100J	5.000B	5UA	12V	60	
2N1784	-P	G	SYL	212	TO 47	30	20	12.0	.200A	.100W	100J	10.000B	25UA	30V	100	
2N1785	P	G	SPR,HUG	170	TO 9	10	10S	1.0	.050A	.045W	100J	50.000F	10UA	5V	60	.001A
2N1786	P	G	SPR,HUG	170	TO 9	10	10S	.5	.050A	.045W	100J	50.000F	10UA	5V	22	.001A
2N1787	P	G	SPR,HUG	170	TO 9	15	15S	.5	.050A	.045W	100J	50.000F	10UA	5V	38	.001A
2N1788	P	G	SPR,HUG	170	TO 9	35	35S	1.0	.050A	.060W	100J	100.000F	5UA	12V	75	.001A
2N1789	P	G	SPR,HUG	170	TO 9	35	35S	.5	.050A	.060W	100J	100.000F	7UA	12V	30	.001A
2N1790	P	G	SPR,HUG	170	TO 9	35	35S	.5	.050A	.060W	100J	100.000F	7UA	12V	60	.001A
2N1808	N	G	TII	212	TO 5	25	25	20.0	.300A	.150W	100J	4.000B	5UA	15V	120	
2N1809	N	S	WHE,SPC	508	TO 49	50	50	15.0	30.000A	250.000W	175J	.500G	30MA	50V	14	10.000A
2N1810	N	S	WHE,SPC	508	TO 49	100	100	15.0	30.000A	250.000W	175J	.500G	30MA	100V	14	10.000A
2N1811	N	S	WHE,SPC	508	TO 49	150	150	15.0	30.000A	250.000W	175J	.500G	30MA	125V	14	10.000A
2N1812	N	S	WHE,SPC	508	TO 49	200	200	15.0	30.000A	250.000W	175J	.500G	30MA	200V	14	10.000A
2N1813	N	S	WHE,SPC	508	TO 49	250	250	15.0	30.000A	250.000W	175J	.500G	30MA	250V	14	10.000A
2N1814	N	S	WHE,SPC	508	TO 49	300	300	15.0	30.000A	250.000W	175J	.500G	30MA	300V	14	10.000A
2N1816	N	S	WHE,SPC	508	TO 49	50	50	15.0	30.000A	250.000W	175	.500G	30MA	50V	14	15.000A
2N1817	N	S	WHE,SPC	508	TO 49	100	100	15.0	30.000A	250.000W	175J	.500G	30MA	100V	14	15.000A
2N1818	N	S	WHE,SPC	508	TO 49	150	150	15.0	30.000A	250.000W	175J	.500G	30MA	150V	14	15.000A
2N1819	N	S	WHE,SPC	508	TO 49	200	200	15.0	30.000A	250.000W	175J	.500G	30MA	200V	14	15.000A
2N1820	N	S	WHE,SPC	508	TO 49	250	250	15.0	30.000A	250.000W	175J	.500G	30MA	250V	14	15.000A
2N1823	N	S	WHE,SPC	508	TO 49	50	50	15.0	30.000A	250.000W	175J	.500G	30MA	50V	13	20.000A
2N1824	N	S	WHE,SPC	508	TO 49	100	100	15.0	30.000A	250.000W	175J	.500G	30MA	100V	13	20.000A
2N1825	N	S	WHE,SPC	508	TO 49	150	150	15.0	30.000A	250.000W	175J	.500G	30MA	150V	13	20.000A
2N1826	N	S	WHE,SPC	508	TO 49	200	200	15.0	30.000A	250.000W	175J	.500G	30MA	200V	13	20.000A
2N1830	N	S	WHE,SPC	508	TO 49	50	50	15.0	30.000A	250.000W	175J	.500G	30MA	50V	14	25.000A
2N1831	N	S	WHE,SPC	508	TO 49	100	100	15.0	30.000A	250.000W	175J	.500G	30MA	100V	14	25.000A
2N1832	N	S	WHE,SPC	508	TO 49	150	150	15.0	30.000A	250.000W	175J	.500G	30MA	150V	14	25.000A
2N1833	N	S	WHE,SPC	508	TO 49	200	200	15.0	30.000A	250.000W	175J	.500G	30MA	200V	14	25.000A
2N1837	N	S	TRW,ETC,HUG	211	TO 5	80	30	8.0	.500A	.600W	175J	140.000G	500NA	30V	70	.150A
2N1837A	N	S	TRW,HUG	211	TO 5	80	30	8.0	.500A	.800W	175J	140.000G	500NA	30V	70	.150A
2N1838	N	S	TRW,ETC,HUG	211	TO 5	45	30R	5.0	.500A	.600W	175J	90.000G	2UA	30V	80	.100A
2N1839	N	S	TRW,HUG	211	TO 5	45	30R	4.5		2.800W		90.000G	2UA	30V	24	.100A
2N1840	N	S	TRW,HUG	211	TO 5	25	20R	5.0		2.000W		90.000G	300UA	10V	20	.150A
2N1853	-P	G	RCA	210	TO 5	18	6	2.0	.100A	.150W	85J	LS SW	4UA	15V	160	
2N1854	-P	G	RCA	210	TO 5	18	6	2.0	.100A	.150W	85J	40.000G	4UA	15V	180	
2N1864	P	G	SPR,ETC,HUG	170	TO 9	20	20S	.5	.050A	.060W	100J	50.000F	10UA	5V	20	
2N1865	P	G	SPR,ETC,HUG	170	TO 9	20	20S	.5	.050A	.060W	100J	180.000G	10UA	10V	60	
2N1866	P	G	SPR,ETC,HUG	170	TO 9	35	35S	.5	.050A	.060W	100J	180.000G	10UA	10V	60	
2N1867	P	G	SPR,ETC,HUG	170	TO 9	35	35S	.5	.050A	.060W	100J	180.000G	10UA	10V	20	
2N1868	P	G	SPR,ETC,HUG	170	TO 9	20	20S	.5	.050A	.060W	100J	400.000G	10UA	10V	32	
2N1886	N	S	ETC,TEC,HUG	561	TO 59	60	60	6.0	3.000A	40.000W	175J		350UA	60V	40	.500A
2N1889	N	S	AMC,GEC,TII,TRW,BEN,SES	211	TO 5	100	60	7.0		.800W	200J	50.000G	10NA	75V	80	.150A
2N1890	N	S	AMC,GEC,BEN,RAY,TII,TRW	211	TO 5	100	60	7.0		.800W	200J	60.000G	10NA	75V	160	.150A
2N1893	N	S	AMC,GEC,RAY,TII,TRW,RCA	211	TO 5	120	100R	7.0		.800W	200J	5.000G	10NA	90V	80	.150A
2N1893	N	S	AMC,GEC,RAY,TII,TRW,RCA	211	TO 5	120	100R	7.0		.800W	200J	5.000G	10NA	90V	80	.150A
2N1893A	N	S	TRW,RAY	211	TO 5	140	80	7.0	.500A	.800W	200J	100.000G	10NA	90V	90	.150A
2N1900	N	S	TRW,HUG	414	TO 81	140	50	5.0	10.000A	125.000W	150J	50.000G	25MA	140V	16	10.000A
2N1901	N	S	TRW,HUG	414	TO 81	140	50	5.0	10.000A	125.000W	150J	50.000G	25MA	140V	60	7.000A
2N1902	N	S	TRW,HUG	560	TO 61	140	50	5.0	10.000A	125.000W	150J	50.000G	25MA	140V	50	5.000A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T(°C)	Frequency Resp.(MHz)	Leakage I_{cb} @ V_{cb}		Gain h_{fe} @ I_c	
2N1903	N	S	TRW,HUG	560	TO 61	140	50	5.0	10.000A	125.000W	150J	50.000G	25MA	140V	16	10.000A
2N1904	N	S	TRW,HUG	560	TO 61	140	50	5.0	10.000A	125.000W	150J	50.000G	25MA	140V	60	7.000A
2N1905	P	G	RCA	605	TO 3	60	40	1.0	10.000A	50.000W	100J	.075E	500UA	40V	100	
2N1906	P	G	RCA	605	TO 3	100	40	1.0	10.000A	50.000W	100J	.075E	500UA	40V	130	
2N1907	P	G	TII	605	TO 3	100	40	1.5	20.000A	60.000W	100J	10.000G	10MA	100V	100	
2N1908	P	G	TII	605	TO 3	130	50	1.5	20.000A	60.000W	100J	10.000G	10MA	130V	100	
2N1917	P	S	SSD,SOL,HUG	210	TO 5	25	8	25.0	.050A	.250W	175J	16.000G	2NA	4V	50	
2N1918	P	S	SSD,SOL,HUG	210	TO 5	25	8	25.0	.050A	.250W	175J	10.000G	2NA	4V	50	
2N1919	P	S		210	TO 5	40	18	40.0	.050A	.250W	150A	1.000B				
2N1920	P	S	SSD,SOL,HUG	210	TO 5	40	18	40.0	.050A	.250W	150A	1.000B				
2N1921	P	S	SSD,NSC,SOL,HUG	210	TO 5	50	50	50.0	.050A	.250W	150A	1.000B				
2N1922	P	S	SSD,SOL,HUG	210	TO 5	80	80	80.0	.050A	.250W	150A	1.000B				
2N1924	P	G	CSF,GEC,TAD,TII,ETC,MOT	212	TO 5	60	40R	25.0	.500A	.225W	85J	1.000B	10UA	45V	50	
2N1925	P	G	CSF,GEC,TAD,TII,ETC,MOT	212	TO 5	60	40R	25.0	.500A	.225W	85J	1.300B	10UA	45V	70	
2N1926	P	G	CSF,GEC,TAD,TII,ETC,MOT	212	TO 5	60	40R	25.0	.500A	.225W	85J	1.500B	10UA	45V	96	
2N1936	N	S	TEC,SES,HUG	561	TO 63	125	60	6.0	20.000A	150.000W	175J	20.000G	10MA	120V	30	
2N1937	N	S	TEC,SES,HUG	561	TO 63	125	80	6.0	20.000A	150.000W	175J	20.000G	10MA	120V	30	
2N1954	P	G	ETC	210	TO 5	60	30	20.0		.200W	100J		20UA	30V	60	.020A
2N1955	P	G	ETC	210	TO 5	60	30	20.0		.200W	100J		20UA	30V	100	.020A
2N1956	P	G	ETC	210	TO 5	60	45	20.0		.200W	100J		20UA	30V	60	.020A
2N1957	P	G	ETC	210	TO 5	60	60	20.0		.200W	100J		20UA	30V	60	.020A
2N1958	N	S	TEC,HUG	211	TO 5	60	40R	5.0	.500A	.600W	175J	100.000G	5UA	30V	32	
2N1958/18	-N	S	SYL	211	TO 18	60	40	5.0	.500A	.300W	175J	100.000G	500NA	30V	32	
2N1958A	N	S	TEC,ETC,HUG	211	TO 5	60	40R	5.0	1.000A	.600W	175J	100.000G	200NA	30V	40	.150A
2N1958A/51	-N	S	SYL	909	TO 51	60	40R	5.0	1.000A	.300W	175J	100.000G	200NA	30V	40	
2N1959	N	S	TEC,GIC,MOT,ETC,HUG	211	TO 5	60	40R	5.0	.500A	.600W	175J	100.000G	5UA	30V	70	.150A
2N1959/18	N	S	SYL	211	TO 18	60	40	5.0	.500A	.300W	175J	100.000G	500NA	30V	80	
2N1959A	N	S	TEC,ETC	211	TO 5	60	40R	5.0	1.000A	.600W	175J	100.000G	200NA	30V	80	.150A
2N1959A/51	-N	S	SYL	909	TO 51	60	40R	5.0	1.000A	.300W	175J	100.000G	200NA	30V	80	
2N1960	-P	G	SYL	211	TO 46	15	15	2.5	1.200A	.150W	100J	HS SW	3UA	5V	50	
2N1961	-P	G	SYL	211	TO 46	12	12	1.0	.200A	.150W	100J	HS SW	3UA	5V	40	
2N1962	-N	S	SYL	211	TO 46	40	20	5.0	.200A	.400W	175J	200.000G	250NA	25V	40	
2N1963	-N	S	SYL	211	TO 46	30	15	5.0	.200A	.400W	175J	200.000G	250NA	25V	50	
2N1964	-N	S	SYL	211	TO 46	60	40R	5.0	.500A	.400W	175J	100.000G	500NA	30V	32	
2N1965	-N	S	SYL	211	TO 46	60	40R	5.0	.500A	.400W	175J	100.000G	500NA	30V	80	
2N1969	-P	G	SYL	210	TO 5	30	15	20.0	.400A	.150W	100J	10.000B	25UA	30V	120	
2N1970	P	G	DEL,MOT,ETC,SOL,HUG	405	TO 36	100	50	40.0	15.000A	140.000W	110J	.010E	4MA	100V	30	5.000A
2N1971	P	G	DEL,HUG	605	TO 3	80		40.0	4.000A	50.000W	100J	.025E	2MA	60V	42	
2N1972	N	S	TRW,FSC,HUG	211	TO 5	60	30R	5.0	.150A	.600W	175J	50.000G	1UA	30V	200	.050A
2N1973	N	S	AMC,GEC,TII,TRW,NSC,TEC	211	TO 5	100	60	7.0		.800W	200J	60.000G	25NA	75V	140	.010A
2N1974	N	S	AMC,GEC,TII,TRW,BEN,NSC	211	TO 5	100	60	7.0		.800W	200J	50.000G	25NA	75V	70	.010A
2N1975	N	S	AMC,GEC,TII,TRW,BEN,NSC	211	TO 5	100	60	7.0		.800W	200J	50.000G	25NA	75V	70	.010A
2N1980	P	G	MOT,ETC,SOL,HUG	405	TO 36	50	30	20.0	15.000A	170.000W	110J	.003E	6MA	50V	74	5.000A
2N1981	P	G	MOT,ETC,SOL,HUG	405	TO 36	70	40	20.0	15.000A	170.000W	110J	.003E	6MA	70V	74	5.000A
2N1982	P	G	MOT,ETC,SOL,HUG	405	TO 36	90	50	20.0	15.000A	170.000W	110J	.003E	6MA	90V	74	5.000A
2N1983	N	S	FSC,TEC,TRW,GEC,ETC,MOT	211	TO 5	50	25	5.0	1.000A	.600W	150J	40.000G	5UA	30V	140	
2N1984	N	S	FSC,TEC,TRW,GEC,ETC,MOT	211	TO 5	50	25	5.0	1.000A	.600W	150J	40.000G	5UA	30V	70	
2N1985	N	S	FSC,TEC,TRW,GEC,ETC,HUG	211	TO 5	50	25	5.0	1.000A	.600W	150J	40.000G	5UA	30V	30	
2N1986	N	S	FSC,TEC,GIC,TRW,ETC,HUG	211	TO 5	50	25	5.0		.600W	150J	40.000G	5UA	30V	140	.150A
2N1987	N	S	CSF,FSC,TEC,GIC,TRW,ETC	211	TO 5	50	25	5.0		.600W	150J	40.000G	5UA	30V	50	.150A
2N1988	N	S	FSC,TEC,GIC,TRW,ETC,HUG	211	TO 5	100	45	5.0	1.000A	.600W	150J	40.000G	25UA	50V	70	.030A
2N1989	N	S	FSC,TEC,GIC,TRW,ETC,HUG	211	TO 5	100	45	5.0	1.000A	.600W	150J	40.000G	5UA	50V	40	.030A
2N1990	N	S	FSC,RAY,GIC,TRW,AMP,SES	211	TO 5	100	45	5.0	1.000A	.600W	150J		10UA	75V	40	.030A
2N1990/46	-N	S	SYL	211	TO 46	100		3.0		.400W	150J		10UA	75V	40	.150A
2N1991	P	S	HUG,MOT,SES,TEC	211	TO 5	30	20	5.0		.600W	150J	40.000G	5UA	10V	38	.150A
2N1993	N	G	TII	210	TO 5	30	18	30.0	.300A	.300W	100J	3.000B	10UA	30V	150	
2N1994	N	G	TII	212	TO 5	30	30	30.0	.300A	.150W	85J	3.000B	6UA	20V	26	
2N1995	N	G	TII	212	TO 5	25	25	25.0	.300A	.150W	85J	5.000B	6UA	20V	36	
2N1996	N	G	TII	212	TO 5	20	20	20.0	.300A	.150W	85J	8.000B	6UA	20V	50	
2N1997	P	G	TII	210	TO 5	45	40	45.0	.500A	.250W	100J	3.000B	6UA	15V	120	
2N1998	P	G	TII	210	TO 5	35	35	35.0	.500A	.250W	100J	5.000B	6UA	15V	150	
2N1999	P	G	TII	210	TO 5	30	20	20.0	.500A	.250W	100J	8.000B	6UA	15V	220	
2N2000	P	G	TII,ETC	210	TO 5	50	20	20.0	1.000A	.300W	100J	2.000B	10UA	30V	150	.100A
2N2001	P	G	TII,ETC	210	TO 5	30	20	20.0	1.000A	.300W	100J	6.000B	6UA	15V	200	.100A
2N2002	P	S	SOL,HUG	210	TO 5	30	5	30.0	.100A	.250W	175J		10NA	5V		
2N2003	P	S	SOL,HUG	210	TO 5	30	5	30.0	.100A	.250W	175J		30NA	5V		
2N2004	P	S	SOL,HUG	210	TO 5	50	15	50.0	.100A	.250W	175J		2NA	10V		
2N2005	P	S	SOL,HUG	210	TO 5	50	15	50.0	.100A	.250W	175J		50NA	10V		
2N2006	P	S	SOL,HUG	210	TO 5	60	35	60.0	.100A	.250W	175J		20NA	30V		
2N2007	P	S	SOL,HUG	210	TO 5	60	35	60.0	.100A	.250W	175J		50NA	30V		
2N2008	-N	S	FSC,HUG	211	TO 5	175	110	8.0	.500A	.800W	200J	40.000G	50NA	100V	80	
2N2015	N	S	RCA	405	TO 36	100	50	10.0	10.000A	150.000W	200J	.012E	2MA	100V	26	
2N2016	N	S	RCA	405	TO 36	130	65	10.0	10.000A	150.000W	200J	.012E	2MA	130V	26	
2N2017	N	S	NSC,TEC,HUG	211	TO 5	60	60	8.0		1.000W	200J	AUD	10UA	30V	100	
2N2018	N	S	TEC,HUG	510	510A	150	150X	6.0	2.000A	40.000W	175A	2.000G	100UA	100V	35	.500A
2N2019	N	S	TEC,HUG	510	510A	200	200X	6.0	2.000A	40.000W	175A	2.000G	100UA	100V	35	.500A
2N2020	N	S	TEC,HUG	510	510A	150	125	6.0	2.000A	40.000W	175A	2.000G	100UA	100V	62	.500A
2N2021	N	S	TEC,HUG	510	510A	200	140	6.0	2.000A	40.000W	175A	2.000G	100UA	100V	62	.500A
2N2032	N	S	BEN,TEC,HUG	730	TO 53	45	45		5.000A	85.000W	200J	.020E	20MA	45V	40	2.000A
2N2033	N	S	SOL,HUG	211	TO 5	80	60	10.0	3.000A	5.000W	200C	1.000G	150UA	80V	35	.500A
2N2034	N	S	SOL,HUG	211	TO 5	80	60	10.0	3.000A	5.000W	200C	1.000G	150UA	80V	35	.100A
2N2035	N	S	AMF,ETC,HUG	171	TO 8	80	60	10.0	3.000A	25.000W	200J	.020E	120UA	80V	40	
2N2036	N	S	STC	631	TO 37	80	60	10.0	3.000A	17.500W	200J	LS SW	150UA	80V	40	
2N2038	N	S	TEC,HUG	211	TO 5	45	45	4.0	.500A	.600W	200A	2.000G	100UA	45V	21	.200A
2N2039	N	S	TEC,HUG	211	TO 5	75	75	4.0	.500A	.600W	200A	2.000G	100UA	75V	21	.2C0A
2N2040	N	S	TEC,HUG	211	TO 5	45	45	4.0	.500A	.600W	200A	2.000G	100UA	45V	52	.200A
2N2041	N	S	TEC,HUG	211	TO 5	75	75	4.0	.500A	.600W	200A	2.000G	100UA	75V	52	.200A
2N2042	P	G	MOT	210	TO 5	105	105S	75.0	.200A	.200W	100J	.500B	25UA	105V	40	.001A
2N2042A	P	G	MOT	210	TO 5	105	105S	75.0	.200A	.200W	100J	.500B	25UA	105V	40	.001A
2N2043	P	G	MOT	210	TO 5	105	105S	75.0	.200A	.200W	100J	.750B	25UA	105V	90	.001A
2N2043A	P	G	MOT	210	TO 5	105	105S	75.0	.200A	.200W	100J	.750B	25UA	105V	90	.001A
2N2048	P	G	SPR,ETC,HUG	170	TO 9	20	15	2.0	.100A	.150W	100J	150.000G	5UA	5V	160	
2N2049	N	S	GEC,SES,AEI,RAY,HUG	211	TO 5	75	50R	7.0		.800W	200J	60.000G	10NA	60V	160	.150A
2N2061	P	G	ETC	605	TO 3	20	15S	10.0	3.000A	75.000W	100J		10MA	20V	15	2.000A
2N2061A	P	G	ETC	605	TO 3	20	15	10.0	5.000A	90.000W	100J	.005E	2MA	20V	35	2.000A
2N2062	P	G	ETC	605	TO 3	20	15S	10.0	3.000A	75.000W	100J		10MA	20V	30	2.000A
2N2062A	P	G	ETC	605	TO 3	20	15	10.0	5.000A	90.000W	100J	.001E	2MA	20V	85	2.000A
2N2063	P	G	ETC	605	TO 3	40	30S	20.0	3.000A	75.000W	100J		20MA	40V	15	2.000A
2N2063A	P	G	ETC	605	TO 3	40	20	20.0	5.000A	90.000W	100J	.005E	2MA	40V	35	2.000A
2N2064	P	G	ETC	605	TO 3	40	30S	20.0	3.000A	75.000W	100J		20MA	40V	30	2.000A
2N2064A	P	G	ETC	605	TO 3	40	20	20.0	5.000A	90.000W	100J	.001E	2MA	40V	85	2.000A
2N2065	P	G	ETC	605	TO 3	80	60S	30.0	3.000A	75.000W	100J		20MA	80V	15	2.000A
2N2065A	P	G	ETC	605	TO 3	80	40	30.0	5.000A	90.000W	100J	.005E	5MA	80V	35	2.000A
2N2066	P	G	ETC	605	TO 3	80	60S	30.0	3.000A	75.000W	100J		20MA	80V	30	2.000A
2N2066A	P	G	ETC	605	TO 3	80	40	30.0	5.000A	90.000W	100J	.001E	5MA	80V	85	2.000A
2N2075	P	G	MOT,ETC,DEL,SOL,HUG	405	TO 36	80	65	40.0	15.000A	170.000W	110J	.005E	15MA	80V	50	1.200A
2N2075A	P	G	MOT	405	TO 36	80	65	40.0	15.000A	170.000W	110J	.005E	15MA	80V	50	1.200A
2N2076	P	G	MOT,ETC,DEL,SOL,HUG	405	TO 36	70	55	35.0	15.000A	170.000W	110J	.005E	15MA	70V	50	1.200A
2N2076A	P	G	MOT	405	TO 36	70	55	35.0	15.000A	170.000W	110J	.005E	15MA	70V	50	1.200A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N2077	P	G	MOT,ETC,OEL,SOL,HUG	405	TO 36	50	45	25.0	15.000A	170.000W	110K	.005E	15MA	50V	50	1.200A
2N2077A	P	G	MOT	405	TO 36	50	45	25.0	15.000A	170.000W	110J	.005E	15MA	50V	50	1.200A
2N2078	P	G	MOT,ETC,OEL,SOL,HUG	405	TO 36	40	25	20.0	15.000A	170.000W	110J	.005E	15MA	40V	50	1.200A
2N2078A	P	G	MOT	405	TO 36	40	25	20.0	15.000A	170.000W	110J	.005E	15MA	40V	50	1.200A
2N2079	P	G	MOT,ETC,OEL,SOL,HUG	405	TO 36	80	65	40.0	15.000A	170.000W	110J	.005E	15MA	80V	80	1.200A
2N2079A	P	G	MOT	405	TO 36	80	65	40.0	15.000A	170.000W	110J	.005E	15MA	80V	80	1.200A
2N2080	P	G	MOT,ETC,OEL,SOL,HUG	405	TO 36	70	55	35.0	15.000A	170.000W	110J	.005E	15MA	70V	80	1.200A
2N2080A	P	G	MOT	405	TO 36	70	55	35.0	15.000A	170.000W	110J	.005E	15MA	70V	80	1.200A
2N2081	P	G	MOT,ETC,OEL,SOL,HUG	405	TO 36	50	45	25.0	15.000A	170.000W	110J	.005E	15MA	50V	80	1.200A
2N2081A	P	G	MOT	405	TO 36	50	45	25.0	15.000A	170.000W	110J	.005E	15MA	50V	80	1.200A
2N2082	P	G	MOT,ETC,OEL,SOL,HUG	405	TO 36	40	25	20.0	15.000A	170.000W	110J	.005E	15MA	40V	80	1.200A
2N2082A	P	G	MOT	405	TO 36	40	25	20.0	15.000A	170.000W	110J	.005E	15MA	40V	80	1.200A
2N2084	P	G	AMP	217	TO 33	40	40	1.0	.010A	.125W	90J	100.000B	8UA	6V	140	
2N2086	N	S	ETC	211	TO 5	120	80R	5.0	.500A	.600W	175J	150.000G	2UA	60V	30	.150A
2N2089	P	G	AMP	75	TO 7	20	20R	1.0	.010A	.083W	75J	44.000G	8UA	6V	150	
2N2090	-P	G	AMP	75	TO 7	20	20	1.0	.010A	.083W	75J	44.000G	8UA	6V	150	
2N2091	-P	G	AMP	75	TO 7	20	20	1.0	.010A	.083W	75J	44.000G	8UA	6V	150	
2N2092	P	G	AMP	75	TO 7	25	25R	1.0	.010A	.100W	85J	30.000G	8UA	6V	150	
2N2093	-P	G	AMP	75	TO 7	25	25R	2.0	.010A	.100W	85J	30.000G	8UA	6V	150	
2N2095			SEE RF POWER SECTION													
2N2096	P	G	MOT	211	211P	25	25	4.0	.500A	.500W	100J	HS SW	12UA	12V	50	.200A
2N2097	P	G	MOT	211	211P	40	20	4.0	.500A	.500W	100J	150.000G	12UA	15V	50	.400A
2N2098			SEE RF POWER SECTION													
2N2099	P	G	MOT	210	TO 5	25	12	4.0	.500A	.300W	100J	HS SW	12UA	12V	35	.400A
2N2100	P	G	MOT	210	TO 5	40	20	4.0	.500A	.300W	100J	HS SW	12UA	15V	50	.400A
2N2101	N	S	BEN,AMF,ETC	561	TO 61	60	40	10.0	3.000A	75.000W	200J	.020E	30UA	1V	30	1.000A
2N2102	N	S	RCA,RAY,TII,TRW,TEC,HUG	211	TO 5	120	65	7.0	1.000A	1.000W	200J	60.000G	2NA	60V	70	.150A
2N2102A	N	S	RAY,TII,HUG	211	TO 5	120	65	7.0		1.000W	200J	60.000G	2NA	60V	70	.150A
2N2106	N	S	GEC,TEC,HUG	211	TO 5	60	60	8.0		1.000W	150J	15.000B	200UA	30V	30	
2N2107	N	S	GEC,TEC,HUG	211	TO 5	60	60	8.0		1.000W	150J	15.000B	200UA	30V	50	
2N2108	N	S	GEC,TEC,HUG	211	TO 5	60	60	8.0		1.000W	150J	15.000B	200UA	30V	80	
2N2109	N	S	WHE,SPC,HUG	502	502A	50	50	15.0	30.000A	250.000W	175J	.500G	30MA	50V	14	10.000A
2N2110	N	S	WHE,SPC	502	502A	100	100	15.0	30.000A	250.000W	175J	.500G	30MA	100V	14	10.000A
2N2111	N	S	WHE,SPC	502	502A	150	150	15.0	30.000A	250.000W	175J	.500G	30MA	150V	14	10.000A
2N2112	N	S	WHE,SPC	502	502A	200	200	15.0	30.000A	250.000W	175J	.500G	30MA	200V	14	10.000A
2N2113	N	S	WHE,SPC	502	502A	250	250	15.0	30.000A	250.000W	175J	.500G	30MA	250V	14	10.000A
2N2114	N	S	WHE,SPC	502	502A	300	300	15.0	30.000A	250.000W	175J	.500G	30MA	300V	14	10.000A
2N2116	N	S	WHE,SPC	502	502A	50	50	15.0	30.000A	250.000W	175J	.500G	30MA	50V	14	15.000A
2N2117	N	S	WHE,SPC	502	502A	100	100	15.0	30.000A	250.000W	175J	.500G	30MA	100V	14	15.000A
2N2118	N	S	WHE,SPC	502	502A	150	150	15.0	30.000A	250.000W	175J	.500G	30MA	150V	14	15.000A
2N2119	N	S	WHE,SPC	502	502A	200	200	15.0	30.000A	250.000W	175J	.500G	30MA	200V	14	15.000A
2N2120	N	S	WHE,SPC	502	502A		250	15.0	30.000A	250.000W	175J	.500G	30MA	250V	14	15.000A
2N2123	N	S	WHE,SPC	502	502A	50	50	15.0	30.000A	250.000W	175J	.500G	30MA	50V	13	20.000A
2N2124	N	S	WHE,SPC	502	502A	100	100	15.5	30.000A	250.000W	175J	.500G	30MA	100V	13	20.000A
2N2125	N	S	WHE,SPC	502	502A	150	150	15.5	30.000A	250.000W	175J	.500G	30MA	150V	13	20.000A
2N2126	N	S	WHE,SPC	502	502A	200	200	15.5	30.000A	250.000W	175J	.500G	30MA	200V	13	20.000A
2N2130	N	S	WHE,SPC	502	502A	50	50	15.0	30.000A	250.000W	175J	.500G	30MA	50V	14	25.000A
2N2131	N	S	WHE,SPC	502	502A	100	100	15.0	30.000A	250.000W	175J	.500G	30MA	100V	14	25.000A
2N2132	N	S	WHE,SPC	502	502A	150	150	15.0	30.000A	250.000W	175J	.500G	30MA	150V	14	25.000A
2N2133	N	S	WHE,SPC	502	502A	200	200	15.0	30.000A	250.000W	175J	.500G	30MA	200V	14	25.000A
2N2137	P	G	MOT,ETC	605	TO 3	30	20	15.0		70.000W	110J	.020E	50UA	2V	22	2.000A
2N2137A	P	G	MOT,ETC	605	TO 3	30	20	15.0		70.000W	110J	.020E	50UA	2V	22	2.000A
2N2138	P	G	MOT,ETC,HUG	605	TO 3	45	30	25.0		70.000W	110J	.020E	50UA	2V	22	2.000A
2N2138A	P	G	MOT,ETC	605	TO 3	45	30	25.0		70.000W	110J	.020E	50UA	2V	22	2.000A
2N2139	P	G	MOT,ETC,HUG	605	TO 3	60	45	30.0		70.000W	110J	.020E	50UA	2V	22	2.000A
2N2139A	P	G	MOT,ETC	605	TO 3	60	45	30.0		70.000W	110J	.020E	50UA	2V	22	2.000A
2N2140	P	G	MOT,ETC,HUG	605	TO 3	75	60	40.0		70.000W	110J	.020E	50UA	2V	22	2.000A
2N2140A	P	G	MOT,ETC	605	TO 3	75	60	40.0		70.000W	110J	.020E	50UA	2V	22	2.000A
2N2141	P	G	MOT,ETC,HUG	605	TO 3	90	65	45.0		70.000W	110J	.020E	50UA	2V	22	2.000A
2N2141A	P	G	MOT,ETC	605	TO 3	90	65	45.0		70.000W	110J	.020E	50UA	2V	33	2.000A
2N2142	P	G	MOT,ETC,HUG	605	TO 3	30	20	15.0		70.000W	110J	.020E	50UA	2V	33	2.000A
2N2142A	P	G	MOT,ETC	605	TO 3	30	20	15.0		70.000W	110J	.020E	50UA	2V	33	2.000A
2N2143	P	G	MOT,ETC,HUG	605	TO 3	45	30	25.0		70.000W	110J	.020E	50UA	2V	33	2.000A
2N2143A	P	G	MOT,ETC	605	TO 3	45	30	25.0		70.000W	110J	.020E	50UA	2V	33	2.000A
2N2144	P	G	MOT,ETC,HUG	605	TO 3	60	45	30.0		70.000W	110J	.020E	50UA	2V	33	2.000A
2N2144A	P	G	MOT,ETC	605	TO 3	60	45	30.0		70.000W	110J	.020E	50UA	2V	33	2.000A
2N2145	P	G	MOT,ETC,HUG	605	TO 3	75	60	40.0		70.000W	110J	.020E	50UA	2V	33	2.000A
2N2145A	P	G	MOT,ETC	605	TO 3	75	60	40.0		70.000W	110J	.020E	50UA	2V	33	2.000A
2N2146	P	G	MOT,ETC,HUG	605	TO 3	90	65	45.0		70.000W	110J	.020E	50UA	2V	33	2.000A
2N2146A	P	G	MOT,ETC	605	TO 3	90	65	45.0		70.000W	110J	.020E	50UA	2V	33	2.000A
2N2147	P	G	RCA,ETC	605	TO 3	75	50	1.5	5.000A	12.500W	100J	4.000E	1MA	40V	150	1.000A
2N2148	P	G	RCA,ETC	605	TO 3	60	40	1.5	5.000A	12.500W	100J	3.000G	1MA	40V	100	1.000A
2N2150	N	S	TII,TEC,HUG	581	TO111	125	80R	8.0	2.000A	30.000W	175J	10.000G	10UA	120V	40	.500A
2N2151	N	S	TII,TEC,HUG	581	TO111	125	80R	8.0	2.000A	30.000W	175J	10.000G	10UA	120V	80	
2N2152	P	G	MOT,ETC,SOL	405	TO 36	45	30	25.0	30.000A	170.000W	110J	.002E	4MA	45V	76	5.000A
2N2152A	P	G	MOT,ETC	405	TO 36	45	30	25.0	30.000A	170.000W	110J	.002E	4MA	45V	76	5.000A
2N2153	P	G	MOT,ETC,SOL	405	TO 36	60	45	30.0	30.000A	170.000W	110J	.002E	4MA	60V	76	5.000A
2N2153A	P	G	MOT,ETC	405	TO 36	60	45	30.0	30.000A	170.000W	110J	.002E	4MA	60V	76	5.000A
2N2154	P	G	MOT,ETC,SOL	405	TO 36	75	60	40.0	30.000A	170.000W	110J	.002E	4MA	75V	76	5.000A
2N2154A	P	G	MOT,ETC	405	TO 36	75	60	40.0	30.000A	170.000W	110J	.002E	4MA	75V	76	5.000A
2N2155	P	G	ETC,MOT	405	TO 36	90	75	45.0	30.000A	170.000W	110J	.002E	4MA	90V	75	5.000A
2N2155A	P	G	ETC	405	TO 36	90	75	45.0	30.000A	170.000W	110J	.002E	4MA	90V	75	5.000A
2N2156	P	G	MOT,ETC,SOL	405	TO 36	45	30	25.0	30.000A	170.000W	110J	.002E	4MA	45V	106	5.000A
2N2156A	P	G	MOT,ETC	405	TO 36	45	30	25.0	30.000A	170.000W	110J	.002E	4MA	45V	106	5.000A
2N2157	P	G	MOT,ETC,SOL	405	TO 36	60	45	30.0	30.000A	170.000W	110J	.002E	4MA	60V	106	5.000A
2N2157A	P	G	MOT,ETC	405	TO 36	60	45	30.0	30.000A	170.000W	110J	.002E	4MA	60V	106	5.000A
2N2158	P	G	MOT,ETC,SOL,HUG	405	TO 36	75	60	40.0	30.000A	170.000W	110J	.002E	4MA	75V	106	5.000A
2N2158A	P	G	MOT,ETC	405	TO 36	75	60	40.0	30.000A	170.000W	110J	.002E	4MA	75V	106	5.000A
2N2159	P	G	ETC,MOT	405	TO 36	90	75	45.0	30.000A	170.000W	110J	.002E	4MA	90V	106	5.000A
2N2159A	P	G	ETC	405	TO 36	90	75	45.0	30.000A	170.000W	110J	.002E	4MA	90V	106	5.000A
2N2162	P	S	SPR,HUG	210	TO 5	30	30	30.0	.050A	.150W	140A	14.000E	10NA	10V	36	
2N2163	P	S	SPR,HUG	210	TO 5	15	15	15.0	.050A	.150W	140A	14.000G	10NA	4V	36	
2N2164	P	S	SPR,HUG	210	TO 5	12	8	12.0	.050A	.150W	140A	24.000G	20NA	4V	40	
2N2165	P	S	SPR,HUG	210	TO 5	30	30	30.0	.050A	.150W	140A	10.000G	20NA	10V		
2N2166	P	S	SPR,HUG	210	TO 5	15	15	15.0	.050A	.150W	140A	10.000G	20NA	4V		
2N2167	P	S	SPR,HUG	210	TO 5	12	8	12.0	.050A	.150W	140A	16.000G	20NA	4V		
2N2168	P	G	SPR,ETC,HUG	170	TO 9	20	15	2.0	.100A	.060W	100J	450.000G	3UA	5V	60	.050A
2N2169	P	G	SPR,ETC,HUG	170	TO 9	15	15	2.0	.100A	.060W	100J	450.000G	3UA	5V	45	.050A
2N2170	P	G	SPR,ETC,HUG	170	TO 9	15	10	2.0	.100A	.060W	100J	350.000G	5UA	5V	30	.050A
2N2171	P	G	MOT,ETC	212	TO 5	50	25R	20.0	.500A	.225W	100J	7.500B	10UA	25V	180	.020A
2N2173	P	G	TII	211	TO 5	25	15	3.0	.750A	.240W	100J	HSSW	10UA	10V	45	.200A
2N2175	P	S	SOL,HUG	210	TO 5	6	6	6.0	.050A	.100W	175J	1.000G	1NA	4V	80	
2N2176	P	S	SOL,HUG	210	TO 18	6	6	6.0	.050A	.100W	175J	1.000G	1NA	4V	80	
2N2177	P	S	SOL,HUG	210	TO 5	6	6	6.0	.050A	.100W	175J	.800B	5NA	4V	70	
2N2178	P	S	SOL	210	TO 18	6	6	6.0	.050A	.100W	175J	.800B	5NA	4V	70	
2N2185	P	S	SPR,HUG	210	TO 18	30	30	30.0	.050A	.150W	140A	6.500G	1NA	10V		
2N2186			M.P.2N2185													
2N2187			M.P.2N2185													
2N2188	P	G	TII	120	TO 58	40	25	2.0		.125W	85J	60.000G	3UA	12V	100	

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T (°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N2189		P G	TII	120	TO 58	40	25	2.0		.125W	85J	100.000G	3UA	12V	120	
2N2190		P G	TII	120	TO 58	60	25	2.0		.125W	85J	60.000G	3UA	12V	100	
2N2191		P G	TII	120	TO 58	60	25	2.0		.125W	85J	100.000G	3UA	12V	120	
2N2192	N	S	RAY,TII,MOT,GIC,SES,NSC	211	TO 5	60	40	5.0	1.000A	.800W	200J	50.000G	10NA	30V	200	.150A
2N2192A	N	S	GEC,RAY,TII,MOT,GIC,ITT	211	TO 5	60	40	5.0	1.000A	.800W	200J	50.000G	10NA	30V	200	.150A
2N2192B	N	S	RAY,MOT,GIC,ITT,TEC,HUG	211	TO 5	60	40	5.0	1.000A	.800W	200J	50.000G	10NA	30V	200	.150A
2N2193	N	S	RAY,ITT,SES,TII,MOT,SES	211	TO 5	80	50	8.0	1.000A	.800W	200J	50.000G	10NA	30V	200	.150A
2N2193A	N	S	RAY,TII,MOT,ITT,SES,NSC	211	TO 5	80	50	8.0	1.000A	.800W	200J	50.000G	10NA	60V	80	.150A
2N2193B	N	S	RAY,ITT,MOT,TEC,HUG	211	TO 5	80	50	8.0	1.000A	.800W	200J	50.000G	10NA	60V	80	.150A
2N2194	N	S	RAY,TII,MOT,ITT,SES,NSC	211	TO 5	60	40	5.0	1.000A	.800W	200J	50.000G	10NA	60V	80	.150A
2N2194A	N	S	RAY,TII,MOT,ITT,SES,NSC	211	TO 5	60	40	5.0	1.000A	.800W	200J	50.000G	10NA	30V	40	.150A
2N2194B	N	S	RAY,MOT,ITT,TEC,HUG	211	TO 5	60	40	5.0	1.000A	.800W	200J	50.000G	10NA	30V	40	.150A
2N2195	N	S	GEC,RAY,MOT,ITT,SES,NSC	211	TO 5	45	25	5.0	1.000A	.800W	200J	50.000G	10NA	30V	40	.150A
2N2195A	N	S	GEC,RAY,MOT,ITT,SES,NSC	211	TO 5	45	25	5.0	1.000A	.800W	200J	50.000G	100NA	30V	30	.150A
2N2195B	N	S	RAY,MOT,ITT,TEC,HUG	211	TO 5	45	25	5.0	1.000A	.800W	200J	50.000G	100NA	30V	30	.150A
2N2196	N	S	GEC,SES,TEC,HUG	635	635B	80	60	8.0	1.000A	.800W	200J	50.000G	100NA	30V	30	.150A
2N2197	N	S	GEC,SES,TEC,HUG	635	635B	80	60	8.0		15.000W	175J	15.000B	75UA	80V	20	
2N2199	P	G	ETC	170	TO 9	15	10	.5		15.000W	175J	15.000B	75UA	80V	40	
2N2200	P	G	ETC	170	TO 9	15	10	.5	.100A	.075W	100J	120.000E	5UA	10V	14	.003A
2N2201	N	S	GEC,TEC,HUG	635	635B	120	100	10.0	.100A	.075W	100J	120.000C	5UA	10V	14	.003A
2N2202	N	S	GEC,HUG	670	670A	120	100	10.0		15.000W	175J	20.000B	50UA	120V	60	
2N2203	N	S	GEC,HUG	676	676A	120	100	10.0		15.000W	175J	20.000B	50UA	120V	60	
2N2204	N	S	GEC,HUG	680	680A	120	100	10.0		15.000W	175J	20.000B	50UA	120V	60	
2N2205	N	S	RAY,FSC	211	TO 18	25	12R	3.0		15.000W	175J	20.000B	50UA	120V	60	
2N2206	N	S	FSC	211	TO 46	25	12	3.0	.200A	.300W	175J	200.000G	2SNA	15V	40	.010A
2N2207	P	G	AMP	75	TO 7	50	50R	.5	.200A	.300W	175J	200.000G	2SNA	15V	70	.010A
2N2210	P	G	ETC	405	TO 36	100	65	60.0	.030A	.200W	75J	140.000G			200	
2N2212	P	G	BEN,MOT	607	TO 41	120	60	1.5	10.000A	75.000W	100J	.005E	4MA	100V	38	5.000A
2N2217	N	S	FSC,RAY,SPR,TII,SES,ITT	211	TO 5	60	30	5.0	10.000A	60.000W	110J	1.500B	2MA	100V	80	5.000A
2N2217/51	-N	S	SYL	909	TO 51	60	30	5.0	.800A	.800W	175J	250.000G	10NA	50V	40	.150A
2N2218	N	S	FSC,RAY,SPR,SES,ITT,MOT	211	TO 5	60	30	5.0	.800A	.300W	175J	250.000G	10NA	50V	30	
2N2218/51	-N	S	SYL	909	TO 51	60	30	5.0	.800A	.800W	175J	250.000G	10NA	50V	80	.150A
2N2218A	N	S	RAY,FSC,MOT,GEC,TRW,ITT	211	TO 5	75	40	6.0	.800A	.300W	175J	250.000G	10NA	50V	50	
2N2219	N	S	FSC,RAY,SPR,SES,ITT,MOT	211	TO 5	60	30	5.0	.800A	.800W	175J	250.000G	10NA	60V	70	.150A
2N2219/51	-N	S	SYL	909	TO 51	60	30	5.0	.800A	.300W	175J	250.000G	10NA	50V	200	.150A
2N2219A	N	S	RAY,FSC,MOT,GEC,TRW,ITT	211	TO 5	75	40	6.0	.800A	.800W	175J	250.000G	10NA	50V	90	
2N2220	N	S	FSC,RAY,TII,ITT,SES,GEC	211	TO 18	60	30	5.0	.800A	.800W	175J	300.000G	10NA	60V	150	.150A
2N2221	N	S	FSC,RAY,TII,ITT,SES,SPR	211	TO 18	60	30	5.0	.800A	.500W	175J	250.000G	10NA	50V	40	.150A
2N2221A	N	S	GEC,MOT,FSC,RAY,TRW,ITT	211	TO 18	75	40	6.0	.800A	.500W	175J	250.000G	10NA	50V	80	.150A
2N2222	N	S	FSC,RAY,TII,SES,GIC,MOT	211	TO 18	60	30	5.0	.800A	.500W	200J	250.000G	10NA	60V	80	.150A
2N2222A	N	S	GEC,MOT,FSC,RAY,TRW,ITT	211	TO 18	75	40	6.0	.800A	.500W	175J	250.000G	10NA	50V	200	.150A
2N2224	N	S	MOT	211	TO 5	65	40	5.0	.800A	.500W	200J	300.000G	10NA	60V	200	.150A
2N2226	N	S	WHE,SPC,HUG	412	TO 82	50	50	15.0	.500A	.800W	175J	160.000G	10UA	50V	65	.010A
2N2227	N	S	WHE,SPC,HUG	412	TO 82	100	100	15.0	10.000A	150.000W	150J	.500G	200UA	50V	360	10.000A
2N2228	N	S	WHE,SPC,HUG	412	TO 82	150	150	15.0	10.000A	150.000W	150J	.500G	200UA	100V	360	10.000A
2N2229	N	S	WHE,SPC,HUG	412	TO 82	200	200	15.0	10.000A	150.000W	150J	.500G	200UA	150V	360	10.000A
2N2230	N	S	WHE,SPC,HUG	412	TO 82	50	50	15.0	10.000A	150.000W	150J	.500G	200UA	200V	360	10.000A
2N2231	N	S	WHE,SPC,HUG	412	TO 82	100	100	15.0	10.000A	150.000W	150J	.500G	200UA	50V	500	10.000A
2N2232	N	S	WHE,SPC,HUG	412	TO 82	150	150	15.0	10.000A	150.000W	150J	.500G	200UA	100V	500	10.000A
2N2233	N	S	WHE,SPC,HUG	412	TO 82	200	200	15.0	10.000A	150.000W	150J	.500G	200UA	150V	500	10.000A
2N2236	N	S	RAY	211	TO 5	40	20	6.0	.500A	.600W	200J	.500G	200UA	200V	500	10.000A
2N2237	N	S	RAY	211	TO 5	40	20	6.0	.500A	.600W	200J	50.000G	200NA	40V	30	.100A
2N2242	N	S	MOT	211	TO 18	15				.360W		50.000G	200NA	40V	72	.100A
2N2243	N	S	GEC,SES,RAY,TII,NSC,TEC	211	TO 5	120	80	7.0	1.000A	.800W	200J	250.000G			70	.010A
2N2243A	N	S	GEC,SES,RAY,TII,NSC,TEC	211	TO 5	120	80	7.0	1.000A	.800W	200J	50.000G	10NA	60V	80	.150A
2N2244	-N	S	NSC	210	TO 18	30	20	6.0	.100A	.500W	200J	50.000G	10NA	60V	80	.150A
2N2245	-N	S	NSC	210	TO 18	30	20	6.0	.100A	.500W	200J	60.000G	10NA	30V	80	
2N2246	-N	S	NSC	210	TO 18	30	20	6.0	.100A	.500W	200J	60.000G	10NA	30V	160	
2N2247	-N	S	NSC	210	TO 18	30	20	6.0	.100A	.500W	200J	60.000G	10NA	30V	300	
2N2248	-N	S	NSC	210	TO 18	60	45	6.0	.100A	.500W	200J	60.000G	10NA	60V	80	
2N2249	-N	S	NSC	210	TO 18	60	45	6.0	.100A	.500W	200J	60.000G	10NA	60V	160	
2N2250	-N	S	NSC	210	TO 18	60	45	6.3	.100A	.500W	200J	600.000G	10NA	60V		
2N2251	-N	S	NSC	210	TO 18	30	20	6.0		.500W	200J	60.000G	10NA	30V	80	
2N2252	-N	S	NSC	210	TO 18	30	20	6.0		.500W	200J	60.000G	10NA	30V	160	
2N2253	-N	S	NSC	210	TO 18	30	20	6.0		.500W	200J	60.000G	10NA	30V	300	
2N2254	-N	S	NSC	210	TO 18	60	45	6.0		.500W	200J	60.000G	10NA	60V	80	
2N2255	-N	S	NSC	210	TO 18	60	45	6.0		.500W	200J	60.000G	10NA	60V	160	
2N2256	N	S	MOT	210	TO 18	60	45	6.0		.500W	200J	60.000G	10NA	60V	300	
2N2257	N	S	MOT	210	TO 18	7	7	1.0	.100A	.300W	175J	250.000G	10UA	6V	30	.010A
2N2258	P	G	MOT	210	TO 18	7	7	1.0	.100A	.300W	175J	250.000G	10UA	6V	50	.010A
2N2259	P	G	MOT	210	TO 18	7	7	1.0	.100A	.150W	100J	250.000G	10UA	6V	30	.010A
2N2266	P	G	SOL,HUG	427	TO 10	100	55	28.0	5.000A	50.000W	125J	250.000G	10UA	6V	30	.010A
2N2267	P	G	SOL,HUG	427	TO 10	120	55	28.0	5.000A	50.000W	125J	.200G	2MA	80V	44	2.000A
2N2268	P	G	SOL,HUG	426	TO 10	100	55	28.0	5.000A	50.000W	125J	.200G	2MA	100V	44	2.000A
2N2269	P	G	HUG	426	TO 10	120	55	28.0	5.000A	50.000W	125J	.200G	2MA	80V	44	2.000A
2N2270	N	S	RCA,ETC,RAY,NSC,TII,TEC	211	TO 5	60	45	7.0	1.000A	1.000W	200J	.200G	2MA	100V	44	2.000A
2N2271	P	G	ETC	210	TO 5	20	15	10.0	.500A	.250W	100J	60.000G	100NA	60V	90	.150A
2N2273	P	G	MOT	211	TO 18	25	15	1.0	.100A	.100W	100J	.010E	10UA	10V	75	.035A
2N2274	P	S	SPR,HUG	210	TO 18	25	25	25.0	.050A	.150W	200J	90.000G	10UA	12V	90	.001A
2N2275			M.P.2N2274									6.000G	3NA	10V	16	.001A
2N2276	P	S	SPR,HUG	210	TO 18	15	10	15.0	.050A	.150W	140J	6.000G	3NA	10V	16	.001A
2N2277			M.P.2N2276													
2N2278	P	S	SPR,HUG	210	TO 18	15	15	15.0	.050A	.150W	140J	7.600G	1NA	10V		
2N2279			M.P.2N2278													
2N2280	P	S	SPR,HUG	210	TO 18	10	6	10.0	.050A	.150W	140J	16.000G	3NA	6V		
2N2281			M.P.2N2280													
2N2282	P	G	BEN	631	TO 37	60	30		3.000A	5.000W	110J	2.500B	100UA	20V	60	
2N2283	P	G	BEN	631	TO 37	100	60		3.000A	5.000W	110J	2.500B	100UA	40V	60	
2N2284	P	G	BEN	631	TO 37	200	100		3.000A	5.000W	110J	2.500B	150UA	60V	60	
2N2285	P	G	BEN,ETC,MOT	605	TO 3	60	30	1.5	25.000A	100.000W	110J	.010E	5MA	40V	40	25.000A
2N2286	P	G	BEN,ETC,MOT	605	TO 3	100	60	1.5	25.000A	100.000W	110J	.010E	5MA	80V	40	25.000A
2N2287	P	G	BEN,ETC,MOT	605	TO 3	120	80	1.5	25.000A	100.000W	110J	.010E	5MA	100V	40	25.000A
2N2288	P	G	BEN,ETC,MOT	605	TO 3	40	40R	.8	10.000A	85.000W	110J	1.500B	5MA	40V	40	5.000A
2N2289	P	G	BEN,ETC,MOT	605	TO 3	80	80	.8	10.000A	85.000W	110J	1.500B	5MA	80V	40	5.000A
2N2290	P	G	BEN,ETC,MOT	605	TO 3	120	120	.8	10.000A	85.000W	110J	1.500B	5MA	120V	40	5.000A
2N2291	P	G	BEN,ETC,MOT	605	TO 3	40	40R	1.5	10.000A	60.000W	110J	1.500B	5MA	40V	80	5.000A
2N2292	P	G	BEN,ETC,MOT	605	TO 3	80	80R	1.5	10.000A	60.000W	110J	1.500B	5MA	80V	80	5.000A
2N2293	P	G	BEN,ETC,MOT	605	TO 3	120	120R	1.5	10.000A	60.000W	110J	1.500B	5MA	120V	80	5.000A
2N2294	P	G	BEN,ETC	607	TO 41	40	40R		10.000A	60.000W	110J	1.500B	1MA	25V	80	5.000A
2N2295	P	G	BEN,ETC	607	TO 41	80	80R		10.000A	60.000W	110J	1.500B	1MA	60V	80	5.000A
2N2296	P	G	BEN,ETC	607	TO 41	120	120R		10.000A	60.000W	110J	1.500B	2MA	100V	80	5.000A
2N2297	N	S	FSC,RAY,TEC,ITT,HUG	211	TO 5	80	35	7.0		5.000W	200J	60.000G	10NA	60V	80	
2N2297/51	-N	S	SYL	910	TO 51	80	35	7.9		.300W	200J	60.000G	10NA	60V	80	
2N2303	P	S	HUG,RAY,MOT,TII,SES,GIC	211	TO 5	50	35	5.0	.500A	.600W	175J	60.000C	1UA	30V	130	.150A
2N2304	-N	S	BEN	170	TO 8	60	40		3.000A	25.000W	200J	.020E	100UA	30V	40	.300A
2N2305	N	S	BEN,HUG	605	TO 3	60	40		6.000A	75.000W	200J	.020E	200UA	30V	30	.800A
2N2308	N	S	ETC	170	TO 8	100	80	12.0	3.000A	25.000W	200J	1.000G	50UA	40V	35	1.000A
2N2309	N	S	RAY,HUG	211	TO 5	30	30	5.0		.600W	175J	40.000G	5NA	4V	56	.001A
2N2310	N	S	RAY,TRW,HUG	211	TO 46	60	60	8.0		.350W	175J	50.000G	25NA	60V	24	.200A

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cbo}	V_{ceo}	V_{ebo}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @ V_{cb}		Gain h_{fe} @	I_c
2N2311	N	S	RAY,TRW	211	TO 46	100	100	8.0		.350W	175J	50.000G	25NA	100V	24	.200A
2N2312	N	S	RAY,TRW,HUG	211	TO 46	60	60	8.0		.350W	175J	40.000G	25NA	60V	60	.200A
2N2313	N	S	RAY,TRW,HUG	211	TO 46	100	100	8.0		.350W	175J	40.000G	25NA	100V	60	.200A
2N2314	N	S	RAY,TRW,HUG	211	TO 46	60	40	5.0		.350W	175J	40.000G	25NA	30V	40	.150A
2N2315	N	S	RAY,TRW,HUG	211	TO 46	60	40	5.0		.350W	175J	50.000G	25NA	30V	80	.150A
2N2316	N	S	RAY,TRW,HUG	211	TO 46	120	80	5.0		.350W	175J	50.000G	25NA	60V	80	.150A
2N2317	N	S	RAY,TRW,HUG	211	TO 46	75	50	7.0		.350W	175J	60.000G	10NA	60V	80	.150A
2N2318	N	S	GIC	210	TO 18	30	15	5.0		.360W	200J	300.000G	50NA	20V	60	.010A
2N2319	N	S	GIC	210	TO 46	30	15	5.0		.300W	200J	300.000G	50NA	20V	60	.010A
2N2320	N	S	GIC	210	TO 5	30	15	5.0		.600W	200J	300.000G	50NA	20V	60	.001A
2N2330	N	S	MOT,HUG	210	TO 5	30	20	5.0		.800W	175J	150.000G	1NA	5V	100	.010A
2N2331	N	S	MOT,ETC,HUG	210	TO 18	30	20	5.0		.500W	175J	150.000G	1NA	5V	100	.010A
2N2332	P	S	SOL,HUG	210	TO 18	15	5	15.0		.150W	175J		50NA	15V		
2N2333	P	S	SOL,HUG	210	TO 18	15	5	15.0		.150W	175J		50NA	30V		
2N2334	P	S	SOL,HUG	210	TO 18	30	15	30.0		.150W	175J		50NA	30V		
2N2335	P	S	SOL,HUG	210	TO 18	30	15	30.0		.150W	175J		50NA	30V		
2N2336	P	S	SOL,HUG	210	TO 18	50	35	50.0		.150W	175J		100NA	50V		
2N2337	P	S	SOL,HUG	210	TO 18	50	35	50.0		.150W	175J		100NA	50V		
2N2338	N	S	RCA	405	TO 36	60	40	6.0	7.500A	150.000W	200J	.015E	200NA	30V	35	
2N2339	N	S	ETC	461	TO 57	60	40	6.0	2.500A	40.000W	200J	.700G	100UA	30V	40	.300A
2N2349	N	S	TRW,GEC,HUG	210	TO 5	40	24	1.5		2.500W		RF AMP	1UA	12V	180	.010A
2N2350	N	S	RAY,TRW,ITT,HUG	211	TO 46	60	40	5.0	1.000A	.400W	200J	50.000G	10NA	30V	200	.150A
2N2350A	N	S	GEC,RAY,TRW,ITT,HUG	211	TO 46	60	40	5.0	1.000A	.400W	200J	50.000G	10NA	60V	80	.150A
2N2351	N	S	RAY,TRW,ITT,HUG	211	TO 46	80	50	8.0	1.000A	.400W	200J	50.000G			80	.150A
2N2351A	N	S		211	TO 46	80	50	8.0	1.000A	.400W		50.000G			80	.150A
2N2352	N	S	RAY,TRW,ITT,FSC,HUG	211	TO 46	60	40	5.0	1.000A	.400W	200J	50.000G	10NA	30V	40	.150A
2N2352A	N	S	RAY,TRW,ITT,FSC,HUG	211	TO 46	60	40	5.0	1.000A	.400W	200J	50.000G	10NA	30V	40	.150A
2N2353	N	S	GEC,RAY,TRW,ITT,FSC,HUG	211	TO 46	45	25	5.0	1.000A	.350W	200J	50.000G	100NA	30V	40	.150A
2N2353A	N	S	GEC,RAY,TRW,ITT,FSC,HUG	211	TO 46	45	25	5.0	1.000A	.350W	200J	50.000G	100NA	30V	40	.150A
2N2357	P	G	BEN,MOT	607	TO 41	60	30	2.5	50.000A	170.000W	110J	.010E	5MA	40V	60	
2N2358	P	G	BEN,MOT	607	TO 41	100	60	2.5	50.000A	170.000W	110J	.010E	5MA	80V	60	
2N2359	P	G	BEN,MOT	607	TO 41	120	80	2.5	50.000A	170.000W	110J	.010E	5MA	100V	60	
2N2360	P	G	SPR,HUG	217	TO 12	20	20S	.5	.050A	.060W	125J	980.000F	10UA	10V	32	
2N2361	P	G	SPR,HUG	217	TO 12	20	20S	.5	.050A	.060W	125J	VHFCON	10UA	10V	32	
2N2362	P	G	SPR,HUG	217	TO 12	20	20S	.5	.050A	.060W	100J	VHFOSC	10UA	10V	32	
2N2363	P	G	TII	217	TO 72	30	20	.5	.050A	.075W	100J	800.000G	5UA	12V	100	
2N2364	N	S	RAY,TRW,GEC,HUG	211	TO 46	120	80	7.0		.400W	200J	5.000G	10NA	60V	80	.150A
2N2364A	N	S	RAY,TRW,GEC,HUG	211	TO 46	120	80	7.0		.400W	200J	5.000G	10NA	60V	80	.150A
2N2368	N	S	FSC,RAY,TII,SES,ITT,MOT	211	TO 18	40	15	4.5	.500A	.360W	200J	400.000G	400NA	20V	40	.010A
2N2369	N	S	FSC,RAY,TII,SES,ITT,MOT	211	TO 18	40	15	4.5	.500A	.360W	200J	500.000G	400NA	20V	80	.010A
2N2369A	N	S	FSC,RCA,RAY,ITT,TII,NSC	211	TO 18	40	15	4.5	.200A	.360W	200J	500.000G	400NA	20V	80	.100A
2N2370	P	S	HUG	210	TO 5	15	15	15.0	.100A	.200W	200A		5NA	15V	15	
2N2371	P	S	HUG	210	TO 5	15	15	15.0	.100A	.200W	200A		5NA	15V	20	
2N2372	P	S	HUG	210	TO 18	15	15	15.0	.100A	.150W	200A		5NA	15V	15	
2N2373	P	S	HUG	210	TO 18	15	15	15.0	.100A	.150W	200A		5NA	15V	20	
2N2374	P	G	ETC	210	TO 5	35	35S	35.0	.500A	.250W	100J	15.000B	7UA	15V	175	.100A
2N2375	P	G	ETC	210	TO 5	35	35S	35.0	.500A	.250W	100J	9.000B	7UA	15V	65	.100A
2N2376			M.P.2N2375													
2N2377	P	S	SPR,HUG	210	TO 18	25	25		.050A	.150W	140J	8.000G	1UA	25V	26	.005A
2N2378	P	S	SPR,HUG	210	TO 18	10	10	10.0	.050A	.150W	140J	7.200G	100NA	10V	26	
2N2380	N	S	RAY	211	TO 5	80	40	5.0	.500A	.600W	200J	100.000G	200NA	50V	70	.150A
2N2380A	N	S	RAY	211	TO 5	80	40	5.0		.600W	200J	100.000G	200NA	50V	70	.150A
2N2381	P	G	MOT	210	TO 5	30	15	4.0	.500A	.300W	100J	300.000G	25UA	15V	30	.400A
2N2382	P	G	MOT	210	TO 5	45	20	4.0	.500A	.300W	100J	300.000G	15UA	15V	50	.400A
2N2387	N	S	GEC,TII	909	TO 50	45	45	5.0	.030A	.300W	175J	30.000G	10NA	45V	60	.001A
2N2388	N	S	GEC,TII	909	TO 50	45	45	5.0	.030A	.300W	175J	30.000G	10NA	45V	200	.001A
2N2389	N	S	TII	909	TO 50	75	50R	7.0	.500A	.450W	200J	60.000G	10NA	60V	60	
2N2390	N	S	TII	909	TO 50	75	50R	7.0	.500A	.450W	200J	70.000G	10NA	60V	100	
2N2393	P	S	TII	909	TO 50	50	35	5.0	.300A	.450W	175J	50.000G	1UA	30V	30	
2N2394	P	S	TII	909	TO 50	50	35	5.0	.300A	.450W	175J	60.000G	1UA	30V	50	
2N2395	N	S	TII,GEC	909	TO 50	60	40	5.0	.300A	.450W	200J	40.000G	10NA	30V	40	
2N2396	N	S	TII,GEC	909	TO 50	60	40	5.0	.300A	.450W	200J	50.000G	10NA	30V	80	
2N2397	-N	S	SYL	910	TO 51	35	15	5.0	.200A	.300W	200J	200.000G	100NA	15V	75	
2N2398	P	G	SPR,HUG	217	TO 12	20	20S	.5	.050A	.060W	100J	990.000F	101A	10V	32	
2N2399	P	G	SPR,HUG	217	TO 12	20	20S	.5	.050A	.060W	100J	VHFCON	101A	10V	32	
2N2400	P	G	SPR,HUG	210	TO 18	12	7	1.0	.100A	.150W	100J	150.000G	3UA	5V	50	
2N2401	P	G	SPR,HUG	210	TO 18	15	10	1.5	.100A	.150W	100J	200.000G	2UA	5V	100	
2N2402	P	G	SPR,HUG	210	TO 18	18	12	2.0	.100A	.150W	100J	250.000G	2UA	5V	120	
2N2405	N	S	TRW,RCA,RAY,MOT,HUG	211	TO 5	120	90	7.0		2.000W		40.000G	10NA	90V	110	.150A
2N2410	N	S	TII,MOT,SES,RAY,TEC,HUG	211	TO 5	60	30	5.0	.800A	.800W	200J	20.000G	300NA	30V	75	.150A
2N2410/51	-N	S	SYL	909	TO 51	60	30	5.0	.800A	.800W	200J	200.000G	300NA	30V	70	
2N2411	P	S	TII,TEC,HUG	211	TO 18	25	20	5.0	.100A	.300W	200J	140.000G	10NA	25V	40	
2N2412	P	S	TII,TEC,HUG	211	TO 18	25	20	5.0	.100A	.300W	200J	140.000G	10NA	25V	80	
2N2413	-N	S	TII	211	TO 18	40	18	5.0	.200A	.300W	175J	300.000G	100NA	20V	76	
2N2415	P	G	TII,MOT	217	TO 72	15	10	.3	.020A	.075W	100J	500.000G	5UA	10V	80	
2N2416	P	G	TII,MOT	217	TO 72	15	10	.3	.020A	.075W	100J	400.000G	5UA	10V	50	
2N2423	P	G	BEN	605	TO 3	100	60	30.0	5.000A	90.000W	100J	.004E	5MA	100V	46	2.000A
2N2427	N	S	TEC,HUG	211	TO 18	40	40	4.0	.050A	.500W	200A	50.000G	500NA	40V	35	.001A
2N2428	P	G	AMP	120	TO 1	32	12	1.0	.100A	.165W	75J	1.300G	10UA	10V	130	
2N2429	P	G	AMP	120	TO 1	32	32S	10.0	1.000A	.165W	75J	1.700G	10UA	10V	140	
2N2430	N	G	AMP	120	TO 1	32	12	10.0	.300A	.135W	75J	1.500G	15UA	10V	120	
2N2431	P	G	AMP	120	TO 1	32	32	10.0	1.000A	.165W	100J	1.000G	10UA	10V	90	
2N2432	N	S	TII,NSC,TEC,HUG	211	TO 18	30	30	15.0	.100A	.300W	175J	20.000G	10NA	25V	80	
2N2432A	N	S	TII,TEC,HUG	211	TO 18	45	45	18.0	.100A	.300W	175J	20.000G	10NA	40V	100	.001A
2N2433	N	S	TRW	211	TO 46	75	45	7.0		2.000W		80.000G	1NA	60V	70	.150A
2N2434	N	S	TRW	211	TO 46	75	45	7.0		2.000W		90.000G	1NA	60V	170	.150A
2N2435	N	S	TRW	211	TO 46	120	80	7.0		2.000W		80.000G	1NA	90V	70	.150A
2N2436	N	S	TRW	211	TO 46	120	80	7.0		2.000W		90.000G	1NA	90V	170	.150A
2N2437	N	S	TRW	211	TO 46	100	75	7.0		2.000W		70.000G	1NA	75V	30	.010A
2N2438	N	S	TRW	211	TO 46	100	75	7.0		2.000W		80.000G	1NA	75V	70	.010A
2N2439	N	S	TRW	211	TO 46	100	75	7.0		2.000W		90.000G	1NA	75V	150	.010A
2N2440	N	S	TRW,HUG	211	TO 5	120	80	7.0		3.000W		90.000G	1NA	90V	170	.150A
2N2443	N	S	TRW,HUG	211	TO 5	120	100	7.0		.800W	200J	5.000G	10NA	90V	90	
2N2444	P	G	BEN	605	TO 3	80	80	1.0	10.000A	85.000W	100J	4.500G	20MA	80V	105	3.000A
2N2445	P	G	BEN,HUG	607	TO 41	100	50	50.0	15.000A	90.000W	100J	.004E	200UA	2V	46	10.000A
2N2448	-P	G	RAY	315	315A	45	24	12.0	.100A	.075W	85A	1.000B	10UA	20V	50	
2N2449	-P	G	RAY	295	295A	35	20	12.0	.100A	.075W	85A	1.200B	10UA	20V	100	
2N2450	-P	G	RAY	315	315A	35	20	12.0	.100A	.075W	85A	1.200B	10UA	20V	100	
2N2451	P	G	SPR,HUG	116	TO 24	6	6S		.050A	.025W	100J	HS 5W	5UA	6V	50	.010A
2N2455	-P	G	SYL	211	TO 18	15	8R	2.5	.200A	.150W	100J	600.000G	2UA	6V	60	
2N2456	-P	G	SYL	211	TO 18	15	8	2.5	.200A	.150W	100J	900.000G	2UA	6V	90	
2N2459	N	S	SSD,SOL	210	TO 46	100	60	8.0		.400W	200J	175.000G	2NA	80V	60	.005A
2N2460	N	S	SSD,SOL,HUG	210	TO 46	100	60	8.0		.400W	200J	200.000G	2NA	80V	102	.005A
2N2461	N	S	SSD,SOL,HUG	210	TO 46	100	60	8.0		.400W	200J	225.000G	2NA	80V	150	.005A
2N2462	N	S	SSD,SOL,HUG	210	TO 46	100	60	8.0		.400W	200J	250.000G	2NA	80V	200	.005A
2N2463	N	S	SOL,HUG	210	TO 18	100	60	8.0		.400W	200J	100.000G	2NA	80V	50	.005A
2N2464	N	S	SSD,SOL,HUG	210	TO 18	100	60	8.0		.400W	200J	200.000G	2NA	80V	70	
2N2465	N	S	SSO,SOL,HUG	210	TO 18	100	60	8.0		.400W	200J	225.000G	2NA	80V	150	.005A
2N2466	N	S	SSO,SOL,HUG	210	TO 18	100	60	8.0		.400W	200J	250.000G	2NA	80V	200	.005A

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident.	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N2467	P	G	BEN	211	TO 5	60	30		3.000A	5.000W	110J	2.500B	100UA	20V	60	
2N2468	P	G	BEN	211	TO 5	100	60		3.000A	5.000W	110J	2.500B	100UA	40V	60	
2N2469	P	G	BEN	211	TO 5	200	100		3.000A	5.000W	110J	2.500B	150UA	60V	60	
2N2475	N	S	RCA,TEC,FSC,HUG	211	TO 18	15	6	4.0		.300W	200J	600.000G	50NA	5V	70	.020A
2N2475/46	-N	S	SYL	210	TO 46	15	6	4.0		.300W	200J	600.000G	50NA	5V	70	
2N2475/51	-N	S	SYL	909	TO 51	15	6	4.0		.300W	200J	600.000G	50NA	5V	70	
2N2476	N	S	RCA,SPR,RAY,MOT,HUG	210	TO 5	60	20	5.0		.600W	200A	250.000G	200NA	30V	20	.150A
2N2477	N	S	RCA,SPR,RAY,MOT,HUG	210	TO 5	60	20	5.0		.600W	200A	250.000G	200NA	30V	40	.150A
2N2478	-N	S	PHL	211	TO 5	120	40	5.0	.500A	.600W	175J	275.000B	2UA	60V	70	
2N2479	N	S	RAY	211	TO 5	80	40	5.0	.500A	.600W	200J	150.000G	1NA	50V	60	.150A
2N2481	N	S	ITT,RAY,MOT,TII,FSC,HUG	211	TO 18	40	15	5.0	.500A	.360W	200J	300.000G	50NA	20V	70	.010A
2N2482	-N	G	RCA	211	TO 18	20	12	3.0	.100A	.150W	100J	600.000G	5UA	6V	100	
2N2483	N	S	FSC,RAY,GEC,GIC,TII,SES	211	TO 18	60	60	6.0	.050A	.360W	200J	60.000G	10NA	45V	70	.001A
2N2484	N	S	FSC,RAY,GEC,TII,SES,AEI	211	TO 18	60	60	6.0	.050A	.360W	200J	60.000G	10NA	45V	175	.001A
2N2484A	N	S	RAY,SOL	211	TO 18	60	60	6.0		.360W	200J	60.000G	10NA	45V	225	.001A
2N2487	P	G	SPR,HUG	210	TO 18	15	10		.100A	.060W	100J	360.000G	3UA		40	.010A
2N2488	P	G	SPR,HUG	210	TO 18	15	10		.100A	.060W	100J	360.000G	3UA		40	.050A
2N2489	P	G	SPR,HUG	210	TO 18	20	15		.100A	.060W	100J	300.000G	3UA		40	.010A
2N2490	P	G	OEL,MOT,SOL	405	TO 36	70	50	40.0	15.000A	85.000W	110J	.005E	200UA	2V	30	5.000A
2N2491	P	G	OEL,MOT,ETC,SOL	405	TO 36	60	40	30.0	15.000A	85.000W	110J	.005E	3MA	60V	50	5.000A
2N2492	P	G	OEL,MOT,ETC,SOL	405	TO 36	80	65	60.0	15.000A	85.000W	110J	.005E	2MA	80V	36	5.000A
2N2493	P	G	OEL,MOT,ETC	405	TO 36	100	75	80.0	15.000A	85.000W	110J	.005E	3MA	100V	36	5.000A
2N2495	P	G	AMP	217	TO 33	35		.5	.010A	.100W	85J	135.000G	6UA	12V	60	
2N2496	P	G	AMP	218	TO 72	35		.5	.010A	.100W	85J	135.000G	6UA	12V	60	
2N2501	N	S	GIC,TEC,MOT	210	TO 18	40	20	6.0		.360W	200J	350.000G	25NA	20V	86	.010A
2N2509	N	S	AMC,GIC,ITT,RAY,NSC,TEC	211	TO 18	125	80	7.0		.360W	200J	45.000G	5NA	100V	80	.010A
2N2510	N	S	AMC,GIC,ITT,RAY,NSC,TEC	211	TO 18	100	65	7.0		.360W	200J	45.000G	5NA	80V	300	.010A
2N2511	N	S	AMC,GIC,ITT,RAY,NSC,TEC	211	TO 18	80	50	7.0		.360W	200J	45.000G	5NA	60V	500	.010A
2N2512	-P	G	AMP	217	TO 33	70	70S		.050A	.260W	75J	125.000G	5UA	1V	200	.010A
2N2514	N	S	SOL	211	TO 46	80	60	6.0	.100A	.400W	200J	30.000G	5NA	50V	28	.005A
2N2515	N	S	SSD,SOL,HUG	210	TO 46	80	60	6.0		.400W	200J	175.000G	5NA	50V	60	.005A
2N2516	N	S	SSD,SOL,HUG	210	TO 46	80	60	8.0		.400W	200J	200.000G	5NA	50V	130	.005A
2N2517	N	S	SOL	211	TO 46	125	80	8.0	.050A	.400W	200J	30.000G	5NA	80V	27	.005A
2N2518	N	S	SSD,SOL,HUG	210	TO 46	125	80	8.0		.400W	200J	175.000G	5NA	80V	60	.005A
2N2519	N	S	SSD,SOL,HUG	210	TO 46	125	80	8.0		.400W	200J	200.000G	5NA	80V	120	.005A
2N2520	N	S	SOL,SSD,HUG	211	TO 46	60	60	8.0	.100A	.400W	200J	50.000G	5NA	45V	18	.001A
2N2521	N	S	SSD,SOL,HUG	210	TO 46	60	60	8.0		.400W	200J	175.000G	5NA	45V	58	.001A
2N2522	N	S	SSD,SOL,HUG	210	TO 46	60	60	8.0		.400W	200J	200.000G	5NA	45V	160	.001A
2N2523	N	S	SSD,SOL,HUG	210	TO 46	60	45	6.0		.400W	200J	60.000G	2NA	45V	70	.001A
2N2524	N	S	SSD,SOL,HUG	210	TO 46	60	45	6.0		.400W	200J	60.000G	2NA	45V	175	.001A
2N2525	N	S	TRW	561	TO 61	100	80	5.0	1.000A	19.000W	J	35.000G	5UA	28V		
2N2526	P	G	MOT	605	TO 3	80	80	5.0	10.000A	85.000W	110J	.010E	3MA	80V	36	3.000A
2N2527	P	G	MOT	605	TO 3	120	120	5.0	10.000A	85.000W	110J	.010E	3MA	120V	36	3.000A
2N2528	P	G	MOT	605	TO 3	160	160	5.0	10.000A	85.000W	110J	.010E	3MA	160V	36	3.000A
2N2529	-N	S	TII	210	TO 18	45	40	2.0	.025A	.150W	175J	6.000B	50NA	30V	14	.010A
2N2530	-N	S	TII	210	TO 18	45	40	2.0	.025A	.150W	175J	10.000B	50NA	30V	24	.010A
2N2531	-N	S	TII	210	TO 18	45	40	2.0	.025A	.150W	175J	12.000B	50NA	30V	50	.010A
2N2532	-N	S	TII	210	TO 18	45	40	2.0	.025A	.150W	175J	16.000B	50NA	30V	60	.001A
2N2533	-N	S	TII	210	TO 18	45	40	2.0	.025A	.150W	175J	10.000B	50NA	30V	50	.010A
2N2534	-N	S	TII	210	TO 18	45	40	2.0	.025A	.150W	175J	16.000B	50NA	30V	90	.010A
2N2537	N	S	TII,TRW,GEC,SPR,MOT,TEC	211	TO 5	60	30	5.0	.800A	.800W	200J	250.000G	250NA	40V	100	.150A
2N2538	N	S	TII,TRW,GEC,SPR,MOT,TEC	211	TO 5	60	30	5.0	.800A	.800W	200J	250.000G	250NA	40V	200	.150A
2N2539	N	S	TII,TRW,GEC,SPR,MOT,TEC	211	TO 18	60	30	5.0	.800A	.500W	200J	250.000G	250NA	40V	100	.150A
2N2540	N	S	TII,TRW,GEC,SPR,MOT,TEC	211	TO 18	60	30	5.0	.800A	.500W	200J	250.000G	250NA	40V	200	.150A
2N2551	N	S	SOL	210	TO 5	150	150	150.0		.400W	200J	.800B	100NA	100V	26	.100A
2N2552	P	G	BEN,TII,MOT	541	541B	40	30	20.0	3.000A	20.000W	100J	.225G	125UA	20V	40	1.000A
2N2553	P	G	BEN,TII,MOT	541	541B	60	40	20.0	3.000A	20.000W	100J	.225G	125UA	30V	40	1.000A
2N2554	P	G	BEN,TII,MOT	541	541B	80	50	20.0	3.000A	20.000W	100J	.225G	125UA	20V	40	1.000A
2N2555	P	G	BEN,TII,MOT	541	541B	100	60	20.0	3.000A	20.000W	100J	.225G	125UA	50V	40	1.000A
2N2556	P	G	BEN,TII,MOT	541	541A	40	30	20.0	3.000A	20.000W	100J	.225G	125UA	20V	40	1.000A
2N2557	P	G	BEN,TII,MOT	541	541A	60	40	20.0	3.000A	20.000W	100J	.225G	125UA	30V	40	1.000A
2N2558	P	G	BEN,TII,MOT	541	541A	80	50	20.0	3.000A	20.000W	100J	.225G	125UA	40V	40	1.000A
2N2559	P	G	BEN,TII,MOT	541	541A	100	60	20.0	3.000A	20.000W	100J	.225G	125UA	50V	40	1.000A
2N2560	P	G	BEN,TII,MOT	541	541B	40	30	20.0	3.500A	20.000W	100J	.225G	125UA	20V	40	3.000A
2N2561	P	G	BEN,TII,MOT	541	541B	60	40	20.0	3.500A	20.000W	100J	.225G	125UA	30V	40	3.000A
2N2562	P	G	BEN,TII,MOT	541	541B	80	50	20.0	3.500A	20.000W	100J	.225G	125UA	40V	40	3.000A
2N2563	P	G	BEN,TII,MOT	541	541B	100	60	20.0	3.500A	20.000W	100J	.225G	125UA	50V	40	3.000A
2N2564	P	G	BEN,TII,MOT	211	TO 5	40	30	20.0	3.500A	.400W	100J	.250G	125UA	20V	40	3.000A
2N2565	P	G	BEN,TII,MOT	211	TO 5	60	40	20.0	3.500A	.400W	100J	.250G	125UA	30V	40	3.000A
2N2566	P	G	BEN,TII,MOT	211	TO 5	80	50	20.0	3.500A	.400W	100J	.250G	125UA	40V	40	3.000A
2N2567	P	G	BEN,TII,MOT	211	TO 5	100	60	20.0	3.500A	.400W	100J	.250G	125UA	50V	40	3.000A
2N2569	N	S	AMP	210	TO 18	20	15	5.0	.100A	.300W	175J	100.000G	10NA	15V	100	
2N2570	N	S	AMP	210	TO 18	20	15	5.0	.100A	.300W	175J	100.000G	10NA	15V	100	
2N2580	N	S	DEL	405	TO 36	400	325	5.0	10.000A		150J	2.500G			20	5.000A
2N2580M	N	S	DEL	405	TO 36		400	5.0	10.000A			2.500G	5MA	400V	20	5.000A
2N2581	N	S	DEL	405	TO 36	400	325	5.0	10.000A		150J	2.500G			41	5.000A
2N2582	N	S	DEL	405	TO 36	500	325	5.0	10.000A		150J	2.500G			20	5.000A
2N2583	N	S	DEL	405	TO 36	500	325	5.0	10.000A		150J	2.500G			41	5.000A
2N2586	N	S	ITT,TII,RAY,NSC,SOL,TEC	211	TO 18	60	45	6.0	.030A	.300W	175J	45.000G	2NA	45V	300	.010A
2N2590	P	S	SOL,SSD,HUG	211	TO 46	100	60	7.0	.050A	.400W	200J	50.000G	25NA	80V	30	.001A
2N2591	P	S	SOL,SSD,HUG	211	TO 46	100	60	7.0	.050A	.400W	200J	70.000G	25NA	80V	53	.001A
2N2592	P	S	SOL,SSD,HUG	211	TO 46	100	60	7.0	.050A	.400W	200J	90.000G	25NA	80V	105	.001A
2N2593	P	S	SOL,SSD,HUG	211	TO 46	100	60	7.0	.050A	.400W	200J	110.000G	25NA	80V	150	.001A
2N2594	N	S	TRW,TEC,HUG	211	TO 5	80	80	7.0		5.000W	J	40.000G	100NA	80V	86	.100A
2N2595	P	S	SOL,HUG	211	TO 46	80	60	6.0	.050A	.400W	200J	30.000G	25NA	50V	30	.005A
2N2596	P	S	SOL,SSD,HUG	211	TO 46	80	60	6.0	.050A	.400W	200J	40.000G	25NA	50V	60	.005A
2N2597	P	S	SOL,SSD,HUG	211	TO 46	80	60	6.0	.050A	.400W	200J	60.000G	25NA	50V	120	.005A
2N2598	P	S	SES,SOL,TEC,HUG	210	TO 46	125	80	7.0	.050A	.400W	200J	30.000G	25NA	80V	30	.005A
2N2599	P	S	SES,SOL,SSD,TEC,HUG	210	TO 46	125	80	7.0	.050A	.400W	200J	40.000G	25NA	80V	60	.005A
2N2599A	P	S	SOL,SSD,HUG	211	TO 46	125	100	7.0	.050A	.400W	200J	40.000G	25NA	80V	60	.005A
2N2600	P	S	SES,SOL,SSD,TEC,HUG	210	TO 46	125	80	7.0	.050A	.400W	200J	60.000G	25NA	80V	120	.005A
2N2600A	P	S	SOL,SSD,HUG	211	TO 46	125	100	7.0	.050A	.400W	200J	60.000G	25NA	80V	120	.005A
2N2601	P	S	SOL,SSD,HUG	211	TO 46	60	60	6.0	.050A	.400W	200J	20.000G	25NA	45V	38	.001A
2N2602	P	S	SOL,SSD,HUG	211	TO 46	60	60	6.0	.050A	.400W	200J	40.000G	25NA	45V	38	.001A
2N2603	P	S	SOL,SSD,HUG	211	TO 46	60	60	6.0	.050A	.400W	200J	60.000G	25NA	45V	75	.001A
2N2604	P	S	TII,GIC,NSC,SOL,SSD,TEC	211	TO 46	60	45	6.0	.030A	.400W	200J	30.000G	10NA	45V	80	.010A
2N2605	P	S	RAY,TII,GIC,NSC,SOL,SSD	211	TO 46	60	45	6.0	.030A	.400W	200J	30.000G	10NA	45V	200	.010A
2N2605A	P	S	SOL,SSD,HUG	211	TO 46	60	45	6.0	.030A	.400W	200J	45.000G	2NA	45V	225	.001A
2N2610	N	S	TEC	10	10F	45	40	1.0	.025A	.150W	150A		2UA	30V	14	.001A
2N2611	N	S	GEC	635	635B	120	100	1.0		15.000W	175J	4.000G	50UA	120V	22	.200A
2N2612	P	G	BEN	605	TO 3	65	65	30.0	15.000A	90.000W	100J	.004E	15MA	65V	147	10.000A
2N2613	P	G	ETC	210	TO 5	30	25R	25.0	.050A	.120W	100J	10.000B	5UA	20V	200	
2N2613+	P	G	RCA	120	TO 1	30	25R	25.0	.050A	.120W	100J	10.000B	5NA	20V	200	
2N2614	P	G	RCA	120	TO 1	40	35R	25.0	.050A	.120W	100J	10.000B	5NA	20V	110	
2N2615	N	S	ITT,FSC,HUG	211	TO 18	30	15	3.0		.300W	200J	500.000G	1NA	15V	70	.010A
2N2616	N	S	ITT,HUG	211	TO 18	30	15	3.0	.050A	.300W	200J	600.000G	10NA	15V	50	.003A
2N2618	N	S	TRW	211	TO 5	60	40	7.0	.750A	.600W	250J	200.000G	250NA	25V	50	
2N2618/46	-N	S	SYL	211	TO 46	60	40	7.0	.750A	.400W	250J	200.000G	250NA	25V	50	
2N2631			SEE RF POWER SECTION													

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
2N2632	N	S	SOL,BEN,HUG	560	TO 62	90	60	8.0	5.000A	40.000W	200J	60.000G	100NA	60V	80	1.000A
2N2633	N	S	SOL,BEN,HUG	560	TO 62	120	80	8.0	5.000A	40.000W	200J	60.000G	100NA	60V	80	1.000A
2N2634	N	S	SOL,BEN,HUG	560	TO 62	150	100	8.0	5.000A	40.000W	200J	0.000G	100NA	60V	80	1.000A
2N2635	P	G	TII,MOT	210	TO 18	30	15	2.5	.100A	.150W	100J	150.000G	5UA	25V	150	.050A
2N2636	P	G	BEN	607	TO 41	100	100S		25.000A	100.000W	110J	.010E	10MA	100V	40	25.000A
2N2637	P	G	BEN	607	TO 41	100			25.000A	100.000W	110J	.010E	300UA	2V	40	25.000A
2N2638	P	G	BEN	607	TO 41	100	100S		25.000A	100.000W	110J	.010E	10MA	100V	80	
2N2645	N	S	SES,RAY	211	TO 18	75	50R	7.0		.500W	200J	60.000G	10NA	60V	150	.150A
2N2648	-P	G	GTC	211	TO 5	35	10	30.0		.300W	100J	10.000G	5UA	15V	300	
2N2651	N	S	FSC	211	TO 18	40	20	5.0	.500A	.360W	200J	350.000G	30NA	20V	37	.010A
2N2654	P	G	AMP	217	TO 12	32	32S	.5	.010A	.150W	85J	125.000G	8UA	10V	50	
2N2656	N	S	TRW	210	TO 18	25	15	5.0	.200A	.360W	200J	250.000G	500NA	15V	66	.001A
2N2657	N	S	SOL,SSP,STC,BEN,NSC,FSC	211	TO 5	80	60	8.0	5.000A	1.250W	200J	20.000G	100NA	60V	80	1.000A
2N2658	N	S	SOL,SSP,STC,BEN,NSC,FSC	211	TO 5	100	80	8.0	5.000A	1.250W	200J	20.000G	100NA	60V	80	1.000A
2N2659	P	G	TII	211	TO 11	50	50	20.0	3.000A	15.000W	100A	.280G	125UA	25V	70	
2N2660	P	G	TII	211	TO 11	70	70	20.0	3.000A	15.000W	100A	.280G	125UA	35V	70	
2N2661	P	G	TII	211	TO 11	50	50	20.0	3.000A	15.000W	100A	.300G	125UA	25V	110	
2N2662	P	G	TII	541	541B	50	50	20.0	3.000A	15.000W	100A	.280G	125UA	45V	70	
2N2663	P	G	TII	541	541B	70	70	20.0	3.000A	15.000W	100A	.280G	125UA	35V	70	
2N2664	P	G	TII	541	541B	90	90	20.0	3.000A	15.000W	100A	.280G	125UA	45V	70	
2N2665	P	G	TII	211	TO 11	70	70	20.0	3.000A	15.000W	100A	.300G	125UA	35V	110	
2N2666	P	G	TII	211	TO 11	90	90	20.0	3.000A	15.000W	100A	.300G	125UA	45V	110	
2N2667	P	G	TII	211	TO 11	90	90	20.0	3.000A	15.000W	100A	.300G	125UA	45V	110	
2N2668	P	G	TII	541	541B	50	50	20.0	3.000A	15.000W	100A	.300G	125UA	25V	110	
2N2669	P	G	TII	541	541B	70	70	20.0	3.000A	15.000W	100A	.300G	125UA	35V	110	
2N2670	P	G	TII	541	541B	90	90	20.0	3.000A	15.000W	100A	.300G	125UA	45V	110	
2N2671	P	G	AMP	217	TO 12	32	14	1.0	.010A	.100W	75J	44.000G	8UA	6V	140	
2N2672	P	G	AMP	210	TO 39	32	14	1.0	.010A	.100W	85J	44.000G	8UA	6V	140	
2N2673	-N	S	GEC	210	TO 46	60	45	3.0	.025A	.250W	175J	2.500B	100NA	30V	16	
2N2674	-N	S	GEC	210	TO 46	60	45	3.0	.025A	.250W	175J	5.000B	100NA	30V	32	
2N2675	-N	S	GEC	210	TO 46	60	45	3.0	.025A	.250W	175J	10.000B	100NA	30V	46	
2N2676	-N	S	GEC	210	TO 46	60	45	3.0	.025A	.250W	175J	10.000B	100NA	30V	150	
2N2677	-N	S	GEC	210	TO 46	45	35	2.0	.025A	.250W	175J	10.000B	100NA	330V	38	
2N2678	-N	S	GEC	210	TO 46	45	35	2.0	.025A	.250W	175J	20.000B	100NA	30V	100	
2N2691	P	G	BEN	607	TO 41	100			50.000A	100.000W	110J	.010E	5MA	100V	55	20.000A
2N2691A	P	G	BEN	607	TO 41	120			50.000A	170.000W	110J	.010E	5MA	120V	75	20.000A
2N2692	N	S	TII	211	TO 18	45	30	10.0	.050A	.300W	175J	42.000G	10NA	25V	200	
2N2693	N	S	TII	211	TO 18	45	30	10.0	.050A	.300W	175J	42.000G	10NA	25V	120	
2N2694	N	S	TII	211	TO 18	45	20	10.0	.050A	.300W	175J	42.000G	10NA	25V	60	
2N2695	P	S	TII,RAY,TEC,MOT,HUG	211	TO 46	25	25	4.0	.500A	.360W	200J	100.000G	25NA	10V	80	
2N2696	P	S	TII,RAY,TEC,HUG	211	TO 18	25	25	4.0	.500A	.360W	200J	100.000G	25NA	10V	80	.050A
2N2697	N	S	SOL,BEN,HUG	490	490A	80	60	8.0	5.000A	20.000W	200J	60.000G	100NA	60V	80	1.000A
2N2698	N	S	SOL,BEN,HUG	490	490A	100	80	8.0	5.000A	20.000W	200J	60.000G	100NA	60V	80	1.000A
2N2706	P	G	AMP	120	TO 1	32	32S	10.0	.200A	.165W	75J	1.300G	200UA	32V	120	
2N2707			M.P.2N2706,2N2430													
2N2708	N	S	RCA,RAY,MOT,GIC,HUG	217	TO 72	35	20	3.0	.500A	.100W	200J	700.000G	10NA	15V	100	.002A
2N2710	N	S	FSC,MOT	211	TO 18	40	20	5.0	.500A	.360W	200J	500.000G	30NA	20V	60	.010A
2N2711	N	S	GEC,SPR,HUG	45	TO 98	18	18	5.0	.100A	.200W	100J	200.000G	500UA	18V	60	
2N2712	N	S	GEC,SPR,HUG	45	TO 98	18	18	5.0	.100A	.200W	100J	300.000G	500UA	18V	150	
2N2713	N	S	GEC,SPR,SES,HUG	45	TO 98	18	18	5.0	.200A	.200W	100J	150.000G	500NA	18V	60	
2N2714	N	S	GEC,SPR,SES,HUG	45	TO 98	18	18	5.0	.200A	.200W	100J	200.000G	500UA	18V	150	
2N2715	-N	S	GEC	45	TO 98	18	18	5.0	.025A	.200W	100J	100.000G	500UA	18V	150	
2N2716	-N	S	GEC	45	TO 98	18	18	5.0	.025A	.200W	100J	150.000G	500UA	18V	150	
2N2726	N	S	TEC,HUG	211	TO 5	200	200R	10.0		1.000W	200J	15.000G	1UA	100V	60	.200A
2N2727	N	S	TEC,HUG	211	TO 5	200	200R	10.0		1.000W	200J	15.000G	1UA	100V	120	.200A
2N2728	P	G	MOT	405	TO 36	15	5	15.0	50.000A	170.000W	110J	.003E	10MA	15V	74	20.000A
2N2729	-N	S	ITT	211	TO 46	30	15	3.0	.050A	.300W	200J	600.000G	10NA	15V	50	.003A
2N2730	P	G	SOL,HUG	405	TO 36	80	60	30.0	65.000A	170.000W	110J	.350G	5MA	80V	70	25.000A
2N2731	P	G	SOL,HUG	405	TO 36	60	45	30.0	65.000A	170.000W	110J	.350G	5MA	60V	70	25.000A
2N2732	P	G	SOL,HUG	405	TO 36	40	30	20.0	65.000A	170.000W	110J	.350G	5MA	40V	70	25.000A
2N2733	P	G	SOL,HUG	176	176E	80	60	30.0	65.000A	140.000W	110J	.350G	5MA	80V	70	25.000A
2N2734	P	G	SOL,HUG	176	176E	60	45	30.0	65.000A	140.000W	110J	.350G	5MA	60V	70	25.000A
2N2735	P	G	SOL	176	176E	40	30	20.0	65.000A	140.000W	110J	.350G	5MA	40V	70	25.000A
2N2736	P	G	SOL,HUG	571	571A	80	60	3.0	65.000A	140.000W	110J	.350G	5MA	80V	70	25.000A
2N2737	P	G	SOL,HUG	571	571A	60	45	3.0	65.000A	140.000W	110J	.350G	5MA	60V	70	25.000A
2N2738	P	G	SOL,HUG	571	571A	40	30	2.0	65.000A	140.000W	110J	.350G	5MA	40V	70	25.000A
2N2739	N	S	WHE,ETC,SPC	412	TO 82	50	50	15.0	20.000A	200.000W	175J	.200G	5MA	50V	15	10.000A
2N2740	N	S	WHE,ETC,SPC	412	TO 82	100	100	15.0	20.000A	200.000W	175J	.200G	5MA	100V	15	10.000A
2N2741	N	S	WHE,ETC,SPC	412	TO 82	150	150	15.0	20.000A	200.000W	175J	.200G	5MA	150V	15	10.000A
2N2742	N	S	WHE,ETC,SPC	412	TO 82	200	200	15.0	20.000A	200.000W	175J	.200G	5MA	200V	15	10.000A
2N2745	N	S	WHE,SPC	412	TO 82	50	50	15.0	20.000A	200.000W	175J	.200G	30MA	50V	15	15.000A
2N2746	N	S	WHE,SPC	412	TO 82	100	100	15.0	20.000A	200.000W	175J	.200G	30MA	100V	15	15.000A
2N2747	N	S	WHE,SPC	412	TO 82	150	150	15.0	20.000A	200.000W	175J	.200G	30MA	150V	15	15.000A
2N2748	N	S	WHE,SPC	412	TO 82	200	200	15.0	20.000A	200.000W	175J	.200G	30MA	200V	15	15.000A
2N2751	N	S	WHE,SPC	412	TO 82	50	50	15.0	20.000A	200.000W	175J	.200G	30MA	50V	15	20.000A
2N2752	N	S	WHE,SPC	412	TO 82	100	100	15.0	20.000A	200.000W	175J	.200G	30MA	100V	15	20.000A
2N2753	N	S	WHE,SPC	412	TO 82	150	150	15.0	20.000A	200.000W	175J	.200G	30MA	150V	15	20.000A
2N2754	N	S	WHE,SPC	412	TO 82	200	200	15.0	20.000A	200.000W	175J	.200G	30MA	200V	15	20.000A
2N2757	N	S	WHE,SPC	561	561F	50	50	15.0	30.000A	200.000W	175J	.200G	30MA	50V	14	10.000A
2N2758	N	S	WHE,SPC	561	561F	100	100	15.0	30.000A	200.000W	175J	.200G	30MA	150V	14	10.000A
2N2759	N	S	WHE,SPC	561	561F	150	150	15.0	30.000A	200.000W	175J	.200G	30MA	150V	14	10.000A
2N2760	N	S	WHE,SPC	561	561F	200	200	15.0	30.000A	200.000W	175J	.200G	30MA	150V	14	10.000A
2N2761	N	S	WHE,SPC	561	561F	250	250	15.0	30.000A	200.000W	175J	.200G	30MA	150V	14	10.000A
2N2763	N	S	WHE,SPC	561	561F	50	50	15.0	30.000A	200.000W	175J	.200G	30MA	50V	14	15.000A
2N2764	N	S	WHE,SPC	561	561F	100	100	15.0	30.000A	200.000W	175J	.200G	30MA	100V	14	15.000A
2N2765	N	S	WHE,SPC	561	561F	150	150	15.0	30.000A	200.000W	175J	.200G	30MA	150V	14	15.000A
2N2766	N	S	WHE,SPC	561	561F	200	200	15.0	30.000A	200.000W	175J	.200G	30MA	200V	14	15.000A
2N2769	N	S	WHE,SPC	561	561F	50	50	15.0	30.000A	200.000W	175J	.200G	30MA	50V	13	20.000A
2N2770	N	S	WHE,SPC	561	561F	100	100	15.0	30.000A	200.000W	175J	.200G	30MA	100V	13	20.000A
2N2771	N	S	WHE,SPC	561	561F	150	150	15.0	30.000A	200.000W	175J	.200G	30MA	150V	13	20.000A
2N2772	N	S	WHE,SPC	561	561F	200	200	15.0	30.000A	200.000W	175J	.200G	30MA	200V	13	20.000A
2N2775	N	S	WHE,SPC	561	561F		50	15.0	30.000A	200.000W	175J	.200G	30MA	50V	12	25.000A
2N2776	N	S	WHE,SPC	561	561F		100	15.0	30.000A	200.000W	175J	.200G	30MA	100V	12	25.000A
2N2777	N	S	WHE,SPC	561	561F		150	15.0	30.000A	200.000W	175J	.200G	30MA	150V	12	25.000A
2N2778	N	S	WHE,SPC	561	561F		200	15.0	30.000A	200.000W	175J	.200G	30MA	200V	12	25.000A
2N2781			SEE RF POWER SECTION													
2N2782			SEE RF POWER SECTION													
2N2783			SEE RF POWER SECTION													
2N2784	N	S	GEC,TEC,HUG	211	TO 18	15	6	4.0		.300W	200J	990.000G	5NA	5V	80	.010A
2N2784/46	-N	S	SYL	210	TO 46	15	6	4.0		.300W	200J	990.000G	5NA	5V	80	
2N2784/51	-N	S	SYL	910	TO 51	15	6	4.0		.300W	200J	990.000G	5NA	5V	80	
2N2786	-P	G	AMP	211	TO 39	35	32		.150A	.260W	90J	225.000G	10UA	10V	80	
2N2786A	-P	G	AMP	211	TO 39	35	34S		.150A	1.500W	90J	225.000G	10UA	10V	66	
2N2787	-N	S	SPR	210	TO 5	75	35		.800A	.280W	175J	250.000G	10NA	50V	40	
2N2788	-N	S	GIC	210	TO 5	75	35	5.0	.800A	.800W	175J	250.000G	10NA	50V	80	
2N2789	-N	S	GIC	210	TO 5	75	35	5.0	.800A	.800W	175J	250.000G	10NA	50V	200	
2N2790	-N	S	SPR	210	TO 18	75	35		.800A	.500W	175J	250.000G	10NA	50V	40	
2N2791	-N	S	GIC	210	TO 18	75	35		.800A	.500W	175J	250.000G	10NA	50V	80	
2N2792	-N	S	GIC	210	TO 18	75	35		.800A	.500W	175J	250.000G	10NA	50V	200	

Transistor Type No.	N P / G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cv} @	V_{cb}	Gain h_{fe} @	I_c
2N2795	P	G SPR,HUG	210	TO 18	25	25S	2.5	.100A	.075W	100J	300.000G	3UA	15V	100	
2N2796	P	G SPR,HUG	210	TO 18	20	12	2.0	.100A	.075W	100J	300.000G	3UA	15V	60	
2N2797	-P	G SPR	170	TO 9	40	20	2.5	.100A	.075W	100J	150.000G	2UA	15V	80	
2N2798	-P	G SPR	170	TO 9	60	25	2.5	.100A	.075W	100J	120.000G	3UA	15V	50	
2N2799	-P	G SPR	170	TO 9	30	15	2.0	.100A	.075W	100J	120.000G	3UA	15V	50	
2N2800	P	S RAY,MOT,ITT,FSC,HUG	211	TO 5	50	35	5.0	.800A	.800W	200J	120.000G	100NA	25V	50	.150A
2N2801	P	S RAY,MOT,ITT,FSC,HUG	211	TO 5	50	35	5.0	.800A	.800W	200J	120.000G	100NA	25V	120	.150A
2N2811	N	S BEN,SOL,FSC,HUG	561	TO 61	80	60	8.0	10.000A	40.000W	200J	20.000G	100NA	60V	40	5.000A
2N2812	N	S BEN,SOL,FSC,HUG	561	TO 61	80	60	8.0	10.000A	40.000W	200J	30.000G	100NA	60V	80	5.000A
2N2813	N	S BEN,SOL,FSC,HUG	561	TO 61	120	80	8.0	10.000A	40.000W	200J	20.000G	100NA	60V	40	5.000A
2N2814	N	S BEN,SOL,FSC,HUG	561	TO 61	120	80	8.0	10.000A	40.000W	200J	30.000G	100NA	60V	80	5.000A
2N2815	N	S SES,SPC	561	TO 63	80	80	10.0	20.000A	200.000W	200J	.600G	2MA	80V	22	10.000A
2N2816	N	S ETC.SES.SPC	561	TO 63	100	100	10.0	20.000A	200.000W	200J	.600G	2MA	100V	22	10.000A
2N2817	N	S SES,SPC	561	TO 63	150	150	10.0	20.000A	200.000W	200J	.600G	2MA	150V	22	10.000A
2N2818	N	S ETC,SES,SPC	561	TO 63	200	200	10.0	20.000A	200.000W	200J	.600G	2MA	100V	22	10.000A
2N2819	N	S SES,SPC	561	TO 63	80	80	10.0	25.000A	200.000W	200C	.600G	2MA	80V	22	15.000A
2N2820	N	S SES,SPC	561	TO 63	100	100	10.0	25.000A	200.000W	200C	.600G	2MA	100V	22	15.000A
2N2821	N	S SES,SPC	561	TO 63	150	150	10.0	25.000A	200.000W	200C	.600G	2MA	150V	22	15.000A
2N2822	N	S SES,SPC	561	TO 63	200	200	10.0	25.000A	200.000W	200C	.600G	2MA	200V	22	15.000A
2N2823	N	S SES,SPC	561	TO 63	80	80	10.0	30.000A	200.000W	200C	.600G	2MA	80V	20	20.000A
2N2824	N	S SES,SPC	561	TO 63	100	100	10.0	30.000A	200.000W	200C	.600G	2MA	100V	20	20.000A
2N2825	N	S SES,SPC	561	TO 63	150	150	10.0	30.000A	200.000W	200C	.600G	2MA	150V	20	20.000A
2N2826	-P	G OEL	631	TO 37	25	15	15.0	.500A	7.500W	100J	.017E	200UA	25V	130	
2N2827	-P	G OEL	631	TO 37	40	30	20.0	.500A	7.500W	100J	.017E	200UA	40V	130	
2N2831	N	S TRW	211	TO 18	40	12	3.0		1.200W		250.000G	30NA	15V	50	.010A
2N2832	P	G MOT	605	TO 3	80	50	2.0	20.000A	85.000W	110J	10.000G	10MA	80V	75	1.000A
2N2833	P	G MOT	605	TO 3	120	75	2.0	20.000A	85.000W	110J	10.000G	10MA	120V	75	1.000A
2N2834	P	G MOT	605	TO 3	140	100	2.0	20.000A	85.000W	110J	10.000G	10MA	140V	75	1.000A
2N2836	P	G AMP	605	TO 3	55	55	20.0	3.500A	35.000W	75J	.350G	50UA	1V	60	
2N2837	P	S RAY,MOT,ITT,GIC,FSC,HUG	211	TO 18	50	35	5.0	.800A	.500W	200J	120.000G	100NA	25V	60	.150A
2N2838	P	S RAY,MOT,ITT,GIC,FSC,HUG	211	TO 18	50	35	5.0	.800A	.500W	200J	120.000G	100NA	25V	150	.150A
2N2845	N	S FSC,SPR,GEC,MOT,TEC,HUG	211	TO 18	60	30	5.0	.800A	.360W	200J	250.000G	100NA	50V	70	.150A
2N2846	N	S FSC,GEC,MOT,TEC,HUG	211	TO 5	60	30	5.0	.800A	.800W	200J	250.000G	100NA	50V	70	.150A
2N2847	N	S FSC,GEC,MOT,TEC,HUG	211	TO 18	60	20	5.0		.360W	200J	250.000G	100NA	50V	90	.150A
2N2848	N	S FSC,GEC,MOT,TEC,HUG	211	TO 5	60	20	5.0		.800W	200J	250.000G	100NA	50V	90	.150A
2N2849	N	S SSP,HUG	211	211B	100	80	5.0	3.000A	.850W	200J	40.000G	100NA	80V	90	
2N2849-1	N	S SSP	211	TO 5	100	80	5.0	3.000A	.850W	200J	40.000G	100NA	80V	90	
2N2849-2	N	S SSP	581	581B	100	80	5.0	3.000A	5.000W	200J	40.000G	100NA	80V	90	
2N2849-3	N	S SSP	546	546A	100	80	5.0	3.000A	5.000W	200J	40.000G	100NA	80V	90	
2N2850	N	S SSP,HUG	211	211B	100	80	5.0	3.000A	.850W	200J	30.000G	100NA	80V	50	
2N2850-1	N	S SSP,BEN	211	TO 5	100	80	5.0	3.000A	.850W	200J	30.000G	100NA	80V	50	
2N2850-2	N	S SSP	581	581B	100	80	5.0	3.000A	5.000W	200J	30.000G	100NA	80V	50	
2N2850-3	N	S SSP	546	546A	100	80	5.0	3.000A	5.000W	200J	30.000G	100NA	80V	50	
2N2851	N	S SSP,HUG	211	211B	100	80	5.0	3.000A	.850W	200J	30.000G	100NA	80V	50	
2N2851-1	N	S SSP,BEN	211	TO 5	100	80	5.0	3.000A	.850W	200J	30.000G	100NA	80V	50	
2N2851-2	N	S SSP	581	581B	100	80	5.0	3.000A	5.000W	200J	30.000G	100NA	80V	50	
2N2851-3	N	S SSP	546	546A	100	80	5.0	3.000A	5.000W	200J	30.000G	100NA	80V	50	
2N2852	N	S SSP,HUG	211	211B	100	80	5.0	3.000A	.850W	200J	20.000G	100NA	80V	25	
2N2852-1	N	S SSP,BEN	211	TO 5	100	80	5.0	3.000A	.850W	200A	20.000G	100NA	80V	25	
2N2852-2	N	S SSP	581	581B	100	80	5.0	3.000A	5.000W	200J	20.000G	100NA	80V	25	
2N2852-3	N	S SSP	546	546A	100	80	5.0	3.000A	5.000W	200J	20.000G	100NA	80V	25	
2N2853	N	S SSP,HUG	211	211B	60	40	5.0	3.000A	.850W	200J	30.000G	100NA	40V	80	
2N2853-1	N	S SSP,BEN	211	TO 5	60	40	5.0	3.000A	.850W	200J	30.000G	100NA	40V	80	
2N2853-2	N	S SSP	581	581B	60	40	5.0	3.000A	5.000W	200J	30.000G	100NA	40V	80	
2N2853-3	N	S SSP	546	546A	60	40	5.0	3.000A	5.000W	200J	30.000G	100NA	40V	80	
2N2854	N	S SSP,HUG	211	211B	60	40	5.0	3.000A	.850W	200J	40.000G	100NA	40V	90	
2N2854-1	N	S SSP	211	TO 5	60	40	5.0	3.000A	.850W	200J	40.000G	100NA	40V	90	
2N2854-2	N	S SSP	581	581B	60	40	5.0	3.000A	5.000W	200J	40.000G	100NA	40V	90	
2N2854-3	N	S SSP	546	546A	60	40	5.0	3.000A	5.000W	200J	40.000G	100NA	40V	90	
2N2855	N	S SSP,HUG	211	211B	60	40	5.0	3.000A	.850W	200J	30.000G	100NA	40V	50	
2N2855-1	N	S SSP,BEN	211	TO 5	60	40	5.0	3.000A	.850W	200J	30.000G	100NA	40V	50	
2N2855-2	N	S SSP	581	581B	60	40	5.0	3.000A	5.000W	200J	30.000G	100NA	40V	50	
2N2855-3	N	S SSP	546	546A	60	40	5.0	3.000A	5.000W	200J	30.000G	100NA	40V	50	
2N2856	N	S SSP,HUG	211	211B	60	40	5.0	3.000A	.850W	200J	20.000G	100NA	40V	25	
2N2856-1	N	S SSP,BEN	211	TO 5	60	40	5.0	3.000A	.850W	200J	20.000G	100NA	40V	25	
2N2856-2	N	S SSP	581	581B	60	40	5.0	3.000A	5.000W	200J	20.000G	100NA	40V	25	
2N2856-3	N	S SSP	546	546A	60	40	5.0	3.000A	5.000W	200J	20.000G	100NA	40V	25	
2N2857	N	S RCA,AMP,MOT,HUG	217	TO 72	30	15	2.5	.020A	.300W	200J	900.000G	10NA	15V	68	.003A
2N2861	P	S TII,RAY,TEC,HUG	211	TO 18	25	20	5.0	.100A	.300W	200J	60.000G	10NA	25V	70	.001A
2N2862	P	S TII,RAY,TEC,HUG	211	TO 18	25	20	5.0	.100A	.300W	200J	45.000G	10NA	25V	42	.001A
2N2863	N	S TII	211	TO 5	60	25	5.0	1.000A	.800W	200J	150.000G	500NA	30V	110	
2N2864	N	S TII	211	TO 5	60	25	5.0	1.000A	.800W	200J	150.000G	500NA	30V	110	
2N2865	N	S TII,RAY,HUG	217	TO 72	25	13	3.0	.050A	.200W	200J	600.000G	10NA	15V	110	
2N2868	N	S GEC,ITT,SES,RAY,HUG	211	TO 5	60	40	7.0	1.000A	.800W	200J	50.000G	10NA	30V	80	.150A
2N2869	P	G ETC,BEN,HUG	605	TO 3	60	50	10.0	10.000A	30.000W	100J	.200G	500UA	30V	90	1.000A
2N2869/2N301	P	G RCA,SOL	605	TO 3	60	50	10.0	10.000A	30.000W	100J	.200G	500UA	30V	100	1.000A
2N2870	P	G ETC,BEN	605	TO 3	80	50	10.0	10.000A	30.000W	100J	.200G	500UA	30V	90	1.000A
2N2870/2N301A	P	G RCA,SOL	605	TO 3	80	50	10.0	10.000A	30.000W	100J	.200G	500UA	30V	100	1.000A
2N2874		SEE RF POWER SECTION													
2N2875	P	S TEC,HUG	585	585A	60	50	5.0	2.000A	20.000W	200C	25.000G	1UA	30V	30	.050A
2N2876		SEE RF POWER SECTION													
2N2877	N	S STC,SOL,TEC,BEN,HUG	581	TO111	80	60	8.0	5.000A	30.000W	200J	30.000G	100NA	60V	40	1.000A
2N2878	N	S STC,SOL,NSC,TEC,BEN,HUG	581	TO111	80	60	8.0	5.000A	30.000W	200J	50.000G	100NA	60V	80	1.000A
2N2879	N	S STC,SOL,TEC,BEN,HUG	581	TO111	100	80	8.0	5.000A	30.000W	200J	30.000G	100NA	60V	40	1.000A
2N2880	N	S STC,SOL,NSC,TEC,BEN,HUG	581	TO111	100	80	8.0	5.000A	30.000W	200J	50.000G	100NA	60V	80	1.000A
2N2883	N	S TII	211	TO 5	40	20	4.0	.300A	.800W	200J	400.000G	500NA	20V	40	.100A
2N2884	N	S TII	211	TO 5	40	20	4.0	.300A	.800W	200J	400.000G	500NA	20V	40	.100A
2N2886	N	S TRW	211	TO 5	50	40	5.0		.800W		AUO	100NA	30V	34	.005A
2N2887		SEE RF POWER SECTION													
2N2890	N	S FSC,SES,NSC,TEC,BEN,HUG	211	TO 5	100	80	5.0		.800W	200J	30.000G	100NA	60V	56	1.000A
2N2891	N	S FSC,SES,NSC,TEC,BEN,HUG	211	TO 5	100	80	5.0		.800W	200J	30.000G	100NA	60V	80	1.000A
2N2892	N	S FSC,NSC,TEC,BEN,HUG	561	TO 59	100	80	5.0		30.000W	200J	30.000G	100NA	60V	56	1.000A
2N2893	N	S FSC,NSC,TEC,BEN,HUG	561	TO 59	100	80	5.0		30.000W	200J	30.000G	100NA	60V	80	1.000A
2N2894	N	S MOT,TII,RAY,ITT,TEC,HUG	211	TO 18	12	12	4.0	.200A	.360W	200J	400.000G	10UA	6V	90	.030A
2N2894A	P	S FSC,TEC,HUG	211	TO 18	12	12	4.5		.360W	200J	800.000G	50NA	10V	55	.100A
2N2895	N	S RCA,RAY,TEC,MOT	211	TO 18	120	65	7.0	1.000A	.500W	200J	120.000G	2NA	60V	80	.150A
2N2896	N	S RCA,RAY,TEC,MOT	211	TO 18	140	90	7.0	1.000A	.500W	200J	120.000G	10NA	90V	110	.150A
2N2897	N	S RCA,RAY,TEC,MOT	211	TO 18	60	45	7.0	1.000A	.500W	200J	100.000G	50NA	60V	110	.150A
2N2898	N	S RAY,TEC	211	TO 46	120	65	7.0	1.000A	.500W	200J	120.000G	2NA	60V	70	.150A
2N2899	N	S RAY,TEC	211	TO 46	140	90	7.0	1.000A	.500W	200J	120.000G	10NA	90V	110	.150A
2N2900	N	S RAY,TEC	211	TO 46	60	45	7.0	1.000A	.500W	200J	100.000G	50NA	60V	100	.150A
2N2902	N	S TII	461	TO 57	120	120	10.0	.750A	40.000W	200C	2.000G	250UA	120V	52	.500A
2N2904	P	S RAY,TII,SPR,MOT,FSC,GIC	211	TO 5	60	40	5.0	.600A	.600W	200J	200.000G	20NA	50V	80	.150A
2N2904A	P	S TII,GIC,SPR,RAY,MOT,FSC	211	TO 5	60	60	5.0	.600A	.600W	200J	200.000G	10NA	50V	80	.150A
2N2905	P	S RAY,SPR,MOT,FSC,GIC,TII	211	TO 5	60	40	5.0	.600A	.600W	200J	200.000G	20NA	50V	200	.150A
2N2905A	P	S TII,SPR,RAY,MOT,FSC,GIC	211	TO 5	60	60	5.0	.600A	.600W	200J	200.000G	10NA	50V	200	.150A
2N2906	P	S RAY,SPR,MOT,FSC,GIC,TII	211	TO 18	60	40	5.0	.600A	.400W	200J	200.000G	20NA	50V	80	.150A
2N2906A	P	S TII,SPR,RAY,MOT,FSC,GIC	211	TO 18	60	60	5.0	.600A	.400W	200J	200.000G	10NA	50V	80	.150A
2N2907	P	S RAY,SPR,MOT,FSC,GIC,TII	211	TO 18	60	40	5.0	.600A	.400W	200J	200.000G	20NA	50V	200	.150A

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{r,n}$	$V_{r,r}$	$V_{s,n}$	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cer} @ $V_{r,n}$		Gain h_{fe} @ I_c	
2N2907A	P	S	TII,SPR,RAY,MOT,FSC,GIC	211	TO 18	60	60	5.0	.600A	.400W	200J	200.000G	10NA	50V	200	.150A
2N2909	N	S	TRW,GEC	211	TO 46	60	40	7.0		2.000W		50.000G	10NA	15V	70	.150A
2N2912	P	G	MOT	171	171L	15	5	1.5	25.000A	75.000W	110J	10.000G	10MA	15V	400	5.000A
2N2921	N	S	SES	43	TO 98	25	25	5.0	.100A	.200W	100J	200.000G	500NA	25V	36	.002A
2N2922	N	S	SES	43	TO 98	25	25	5.0	.100A	.200W	100J	160.000G	500NA	25V	62	.002A
2N2923	N	S	GEC,SPR,SES,HUG	45	TO 98	25	25	5.0	.100A	.200W	100J	160.000G	500NA	25V	116	.002A
2N2924	N	S	GEC,SPR,SES,HUG	45	TO 98	25	25	5.0	.100A	.200W	100J	160.000G	500NA	25V	156	.002A
2N2925	N	S	GEC,SPR,SES,HUG	45	TO 98	25	25	5.0	.100A	.200W	100J	160.000G	500NA	25V	216	.002A
2N2926-BRN	N	S	GEC,SPR,SES	45	TO 98	18	18	5.0	.100A	.200W	100J	150.000G	500NA	18V	50	
2N2926-GRN	N	S	GEC,SPR,SES	45	TO 98	18	18	5.0	.100A	.200W	100J	150.000G	500NA	18V	350	
2N2926-ORG	N	S	GEC,SPR,SES	45	TO 98	18	18	5.0	.100A	.200W	100J	150.000G	500NA	18V	135	
2N2926-RED	N	S	GEC,SPR,SES	45	TO 98	18	18	5.0	.100A	.200W	100J	150.000G	500NA	18V	74	
2N2926-YEL	N	S	GEC,SPR,SES	45	TO 98	18	18	5.0	.100A	.200W	100J	150.000G	500NA	18V	225	
2N2927	P	S	HUG	211	TO 5	25	25	4.0	.500A	.800W	200J	100.000G	25NA	10V	80	.050A
2N2929	P	G	MOT	211	TO 5	25	10	.7	.100A	.300W	100J	800.000G	5UA	10V	30	.010A
2N2938	-N	S	RCA	211	TO 52	25	13	5.0	.500A	.300W	175C	500.000G			75	
2N2939	-N	S	BEN	211	TO 5	75	60	7.0	1.000A	5.000W	200J	150.000G	25NA	60V	140	
2N2940	-N	S	BEN	211	TO 5	120	80	7.0	1.000A	5.000W	200J	150.000G	25NA	90V	140	
2N2941	-N	S	BEN	211	TO 5	150	100	7.0	1.000A	5.000W	200J	150.000G	25NA	100V	140	
2N2942	-P	G	SPR	170	TO 9	50	25	2.5	.100A	.150W	100J	150.000G	2UA	25V	80	
2N2943	-P	G	SPR	170	TO 9	30	15	2.0	.100A	.150W	100J	120.000G	3UA	15V	50	
2N2944	P	S	RAY,SPR,TII,SOL,SSD,TEC	211	TO 46	15	10	15.0	.100A	.400W	200J	10.000G	1NA	15V	200	.001A
2N2944A	P	S	TII,RAY,TEC	211	TO 46	15	10	15.0	.100A	.400W	200J	15.000G	1NA	15V	200	.001A
2N2945	P	S	RAY,SPR,TII,NSC,SOL,SSD	211	TO 46	25	20	25.0	.100A	.400W	200J	5.000G	1NA	25V	100	.001A
2N2945A	P	S	TII,RAY,TEC,MOT	211	TO 46	25	20	25.0	.100A	.400W	200J	10.000G	1NA	25V	140	.001A
2N2946	P	S	RAY,SPR,TII,NSC,SOL,SSD	211	TO 46	40	35	40.0	.100A	.400W	200J	3.000G	1NA	40V	70	.001A
2N2946A	P	S	TII,RAY,TEC,MOT	211	TO 46	40	35	40.0	.100A	.400W	200J	5.000G	1NA	40V	100	.001A
2N2947	N	S	MOT	605	TO 3	60	60S	3.0	1.500A	25.000W	175J	100.000G	1UA	50V	10	.400A
2N2948	N	S	MOT	605	TO 3	40	40S	2.0	1.500A	25.000W	175J	100.000G	1UA	30V	30	.400A
2N2949	N	S	MOT	171	171D	60	60S	3.0	.700A	.500W	175J	100.000G	100NA	50V	30	.040A
2N2950	N	S	MOT	546	546B	60	60S	3.0	.700A	6.000W	175J	100.000G	100NA	50V	30	.040A
2N2951	N	S	MOT,TRW,SES,SPR,HUG	210	TO 5	60	60S	5.0	.250A	.800W	175J	200.000G	100NA	50V	60	.010A
2N2952	N	S	MOT,TRW,SPR,HUG	210	TO 18	60	60S	5.0	.250A	.500W	175J	200.000G	100NA	50V	60	.010A
2N2953	P	G	RCA	120	TO 1	30	25R	25.0	.150A	.120W	100J	10.000B	5UA	20V	150	
2N2955	P	G	MOT	210	TO 18	40	25	3.5	.100A	.150W	100J	200.000G	10UA	25V	43	.010A
2N2956	P	G	MOT	210	TO 18	40	20	3.5	.100A	.150W	100J	250.000G	10UA	25V	64	.010A
2N2957	P	G	MOT	210	TO 18	40	18	3.5	.100A	.150W	100J	300.000G	10UA	25V	105	.010A
2N2958	N	S	SPR,MOT,TRW,RAY,HUG	210	TO 5	60	20	5.0	.600A	.600W	200J	250.000G	25NA	50V	80	.150A
2N2959	N	S	SPR,MOT,TRW,RAY,HUG	210	TO 5	60	20	5.0	.600A	.600W	200J	250.000G	25NA	50V	170	.150A
2N2960	N	S	TRW,RAY	211	TO 5	60	30	5.0		.600W		500.000G	25NA	50V	170	.150A
2N2961	N	S	TRW,RAY	211	TO 5	60	30	5.0		.600W		500.000G	25NA	50V		
2N2962	-P	G	SPR	546	546C	40	18	1.5	.300A	3.000W	100A	700.000G	5UA	10V		
2N2963	-P	G	SPR	546	546C	40	18	1.0	.300A	3.000W	100A	700.000G	5UA	10V		
2N2964	-P	G	SPR	546	546C	30	15	1.5	.300A	3.000W	100A	700.000G	5UA	10V		
2N2965	-P	G	SPR	546	546C	30	15	1.0	.300A	3.000W	100A	700.000G	5UA	10V		
2N2968	P	S	SPR,HUG	210	TO 5	30	10	30.0	.050A	.150W	140J	10.000G	10NA	15V	30	.001A
2N2969	P	S	SPR,HUG	210	TO 18	30	10	30.0	.050A	.150W	140J	10.000G	10NA	15V	30	.001A
2N2970	P	S	SPR,HUG	210	TO 5	30	20	30.0	.050A	.150W	140J	8.000G	10NA	15V	20	.001A
2N2971	P	S	SPR,HUG	210	TO 18	30	20	30.0	.050A	.150W	140J	8.000G	10NA	15V	20	.001A
2N2983	N	S	HUG	211	TO 5	155	80	8.0	3.000A	15.000W	175J	18.000G	10UA	150V	35	.500A
2N2984	N	S	HUG	211	TO 5	185	120	8.0	3.000A	15.000W	175J	18.000G	10UA	180V	35	.500A
2N2985	N	S	HUG	211	TO 5	155	80	8.0	3.000A	15.000W	175J	18.000G	10UA	150V	70	.500A
2N2986	N	S	HUG	211	TO 5	185	120	8.0	3.000A	15.000W	175J	18.000G	10UA	180V	70	.500A
2N2987	N	S	TII,TEC,HUG	211	TO 5	95	80	7.0	1.000A	15.000W	175J	30.000G	25NA	90V	50	.200A
2N2988	N	S	TII,TEC,HUG	211	TO 5	155	100	7.0	1.000A	15.000W	175J	30.000G	25NA	150V	50	.200A
2N2989	N	S	TII,TEC,HUG	211	TO 5	95	80	7.0	1.000A	15.000W	175J	30.000G	25NA	90V	90	.200A
2N2990	N	S	TII,TEC,HUG	211	TO 5	155	100	7.0	1.000A	15.000W	175J	30.000G	25NA	150V	90	.200A
2N2991	N	S	TII,TEC	541	541D	95	80	7.0	1.000A	15.000W	175J	30.000G	25NA	150V	50	.200A
2N2992	N	S	TII,TEC	541	541D	155	100	7.0	1.000A	15.000W	175J	30.000G	25NA	150V	50	.200A
2N2993	N	S	TII,TEC	541	541D	95	80	7.0	1.000A	15.000W	175J	30.000G	25NA	150V	90	.200A
2N2994	N	S	TII,TEC	541	541D	155	100	7.0	1.000A	15.000W	175J	30.000G	25NA	150V	90	.200A
2N2996	P	G	TII	217	TO 72	15	10	.3	.050A	.075W	100J	400.000G	5UA	6V	250	
2N2997	P	G	TII	217	TO 72	30	15	.3	.050A	.075W	100J	400.000G	5UA	12V	250	
2N2998	P	G	TII	217	TO 72	15	12	.3	.050A	.075W	100J	600.000G	5UA	10V	140	
2N2999	P	G	TII	217	TO 72	15	12	.2	.050A	.075W	100A	990.000G	5UA	10V	20	
2N3009	N	S	TII,FSC,MOT,HUG,ITT	211	TO 52	40	15	4.0	.200A	.360W	200J	350.000G	500NA	20V	80	.030A
2N3010	N	S	TII,FSC,GEC,RAY,TEC,MOT	211	TO 18	15	6	4.0	.050A	.300W	200J	600.000G	10UA	11V	56	.010A
2N3011	N	S	TII,FSC,RAY,RCA,ITT,TEC	211	TO 18	30	12	5.0	.200A	.360W	200J	400.000G	400NA	20V	60	.010A
2N3012	P	S	FSC,TII,RAY,ITT,TEC,HUG	211	TO 18	12	12	4.0	.200A	.360W	200J	550.000G	80NA	6V	60	.030A
2N3013	N	S	FSC,TII,ITT,SES,TEC,MOT	211	TO 52	40	15	5.0	.200A	.360W	200J	350.000G	300NA	20V	80	.030A
2N3014	N	S	FSC,TII,ITT,TEC,MOT,HUG	211	TO 52	40	20	5.0	.200A	.360W	200J	350.000G	300NA	20V	80	.030A
2N3015	N	S	TII,FSC,MOT,TEC	211	TO 5	60	30	5.0		.800W	200J	250.000G	200NA	20V	76	.150A
2N3016	N	S	BEN	210	TO 5	100	50	4.0	2.500A	5.000W	150J	250.000G	1UA	64V	100	
2N3017	N	S	BEN	541	541B	100	50	4.0	5.000A	10.000W	150J	250.000G	1UA	64V	60	
2N3018	N	S	BEN	560	TO 61	100	50	4.0	10.000A	25.000W	150J	250.000G	1UA	61V	80	
2N3019	N	S	FSC,MOT,TRW,RAY,NSC,TEC	211	TO 5	140	80	7.0	1.000A	.800W	200J	100.000G	10NA	90V	200	.150A
2N3020	N	S	FSC,RAY,NSC,TEC,MOT,TRW	211	TO 5	140	80	7.0	1.000A	.800W	200J	80.000G	10NA	90V	80	.150A
2N3021	P	S	MOT	605	TO 3	30	30	4.0	3.000A	25.000W	175J	60.000G	200UA	25V	36	1.000A
2N3022	P	S	MOT	605	TO 3	45	45	4.0	3.000A	25.000W	175J	60.000G	200UA	40V	36	1.000A
2N3023	P	S	MOT	605	TO 3	60	60	4.0	3.000A	25.000W	175J	60.000G	200UA	54V	36	1.000A
2N3024	P	S	MOT	605	TO 3	30	30	4.0	3.000A	25.000W	175J	60.000G	200UA	25V	96	1.000A
2N3025	P	S	MOT	605	TO 3	45	45	4.0	3.000A	25.000W	175J	60.000G	200UA	40V	96	1.000A
2N3026	P	S	MOT	605	TO 3	60	60	4.0	3.000A	25.000W	175J	60.000G	200UA	54V	96	1.000A
2N3033	N	S	TII,NSC	211	TO 18	100	100R	4.0	.200A	.300W	175J		5UA	85V		
2N3034	N	S	TII	211	TO 18	70	70R	4.0	.200A	.300W	175J		5UA	55V		
2N3035	N	S	TII	211	TO 18	50	50R	4.0	.200A	.300W	175J		5UA	35V		
2N3036	N	S	TII,RAY,TRW	211	TO 5	120	80	7.0	1.200A	.800W	200J	50.000G	10NA	60V	100	
2N3037	N	S	TII	909	TO 50	120	70	7.0	.500A	.360W	175J	50.000G	10NA	60V	80	
2N3038	N	S	TII	909	TO 50	100	60	7.0	.500A	.360W	175J	50.000G	10NA	60V	160	
2N3039	P	S	TII	909	TO 50	50	35	5.0	.500A	.360W	175J	50.000G	25NA	30V	40	
2N3040	P	S	TII	909	TO 50	40	30	5.0	.500A	.360W	175J	50.000G	25NA	30V	100	
2N3053	N	S	RCA,ETC,NSC,TII,TEC,MOT	211	TO 5	60	40	5.0	.700A	1.000W	200J	100.000G	250NA	30V	150	.150A
2N3054	N	S	RCA,STC,TEC,MOT,FSC,WHE	605	TO 66	90	55	7.0	4.000A	25.000W	200J	AUD	1MA	90V	60	.500A
2N3055	N	S	RCA,STC,BEN,SOL,WHE,ETC	605	TO 3	100	60	7.0	15.000A	115.000W	200J	.010F	5MA	100V	44	5.000A
2N3056	N	S	RAY,TRW,TEC,HUG	211	TO 46	100	60	7.0	1.000A	.400W	200J	80.000G	10NA	60V	70	.150A
2N3056A	N	S	RAY,TEC,HUG	211	TO 46	140	80	7.0	1.000A	.400W	200J	80.000G	10NA	90V	70	.150A
2N3057	N	S	RAY,TRW,TEC,HUG	211	TO 46	100	60	7.0	1.000A	.400W	200J	100.000G	10NA	60V	200	.150A
2N3057A	N	S	RAY,TEC,HUG	211	TO 46	140	80	7.0	1.000A	.400W	200J	100.000G	10NA	90V	200	.150A
2N3058	P	S	SPR,HUG	211	TO 46	6	6	6.0	.100A	.400W	200J	6.000G	1NA	3V	120	
2N3059	P	S	SPR,HUG	211	TO 46	10	10	10.0	.100A	.400W	200J	6.000G	1NA	3V	200	
2N3060	P	S	SPR,RAY,NSC,HUG	211	TO 46	70	60	30.0	.100A	.400W	200J	.600G	5NA	60V	60	.001A
2N3061	P	S	SPR,RAY,NSC,HUG	211	TO 46	70	60	30.0	.100A	.400W	200J	1.200G	5NA	60V	120	.001A
2N3062	P	S	NSC	211	TO 46	90	80	40.0	.100A	.400W	200J	.400G	5NA	80V	60	.001A
2N3063	P	S	NSC	211	TO 46	90	80	40.0	.100A	.400W	200J	1.000G	5NA	80V	100	.001A
2N3064	-P	S	RAY	211	TO 46	110	100	50.0	.100A	.400W	200J	2.000G	5NA	100V	30	.001A
2N3065	-P	S	RAY	211	TO 46	110	100	50.0	.100A	.400W	200J	3.000G	5NA	100V	60	.001A
2N3072	P	S	RAY,HUG,FSC	211	TO 5	60	60	4.0		.800W	200J	130.000G	20NA	50V	62	.050A
2N3073	P	S	RAY,HUG,FSC	211	TO 18	60	60	4.0		.360W	200J	130.000G	20NA	50V	62	.050A
2N3074	-P	G	AMP	217	TO 12	25	25R		.020A	.140W	75J	RF AMP	10UA	10V		

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T_J(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
2N3075	-P	G	AMP	217	TO 12	30	30R		.020A	.140W	75J	RF AMP	10UA	10V		
2N3076	N	S	TRW	414	TO 81	140	100R	5.0		125.000W		50.000G	25MA	100V	52	7.000A
2N3077	N	S	TEC,HUG	210	TO 18	80	60	7.0	.050A	.360W	200J	60.000G	10NA	45V	120	.001A
2N3078	N	S	TEC,HUG	210	TO 18	80	60	7.0	.050A	.360W	200J	60.000G	10NA	45V	38	.001A
2N3079	N	S	DEL	405	TO 36		200	5.0	10.000A		150J	2.500G			22	5.000A
2N3080	N	S	DEL	405	TO 36		300	5.0	10.000A		150J	2.500G			22	5.000A
2N3081	P	S	RAY	211	TO 5	70	50	6.0	.600A	.600W	175J	150.000G	10NA	50V	60	.150A
2N3107	N	S	FSC,ITT,RAY,HUG	211	TO 5	100	60	7.0		.800W	200J	70.000G	10NA	60V	90	.500A
2N3108	N	S	FSC,ITT,RAY,NSC,TEC,HUG	211	TO 5	100	60	7.0		.800W	200J	60.000G	10NA	60V	50	.500A
2N3109	N	S	FSC,ITT,RAY,NSC,HUG	211	TO 5	80	40	7.0		.800W	200J	70.000G	10NA	60V	90	.500A
2N3110	N	S	FSC,ITT,RAY,NSC,TEC,HUG	211	TO 5	80	40	7.0		.800W	200J	60.000G	10NA	60V	50	.500A
2N3114	N	S	MOT,TII,TRW,TEC,FSC	211	TO 5	150	150	5.0	.200A	.800W	200J	40.000G	10NA	100V	60	.030A
2N3115	N	S	SPR,MOT,TRW,RAY,HUG	210	TO 18	60	20	5.0	.600A	.400W	200J	250.000G	25NA	50V	70	.150A
2N3116	N	S	SPR,MOT,TRW,RAY,TEC,HUG	210	TO 18	60	20	5.0	.600A	.400W	200J	250.000G	25NA	50V	200	.150A
2N3117	N	S	TII,RAY,NSC,SOL,SSD,TEC	211	TO 18	60	60	6.0	.050A	.360W	200J	60.000G	10NA	45V	400	.001A
2N3118			SEE RF POWER SECTION													
2N3119	N	S	RCA,HUG													
2N3120	P	S	RAY,HUG,ITT,FSC	211	TO 5	100	80	4.0	.500A	1.000W	200J	250.000G	50NA	60V	90	.100A
2N3121	P	S	RAY,HUG,ITT,FSC	211	TO 5	45	45	4.0		.800W	200J	130.000G	20NA	45V	62	.050A
2N3122	N	S	RAY	211	TO 18	45	45	4.0		.360W	200J	130.000G	20NA	45V	62	.050A
2N3123	N	S	TRW	211	TO 5	50	30	5.0		.800W	200J	60.000G	10NA	60V	50	.300A
2N3127	P	G	MOT	211	TO 5	60	30	5.0		3.000W		400.000G	10NA	50V	170	.150A
2N3133	P	S	MOT,GIC,RAY,ITT,NSC,SPR	217	TO 72	25	20	.7	.050A	.100W	100J	400.000G	3UA	10V	46	.003A
2N3134	P	S	MOT,GIC,RAY,NSC,SPR,TEC	210	TO 5	50	35	4.0	.600A	.600W	200J	200.000G	50NA	30V	70	.150A
2N3135	P	S	MOT,GIC,RAY,ITT,NSC,SPR	210	TO 18	50	35	4.0	.600A	.600W	200J	200.000G	50NA	30V	170	.150A
2N3136	P	S	MOT,GIC,ETC,RAY,NSC,SPR	210	TO 18	50	35	4.0	.600A	.400W	200J	200.000G	50NA	30V	70	.150A
2N3137	N	S	FSC,SES,MOT,HUG	211	TO 5	40	20	4.0		.600W	200J	500.000G	50NA	30V	170	.150A
2N3146	P	G	TII	605	TO 3	150	65	60.0	15.000A	150.000W	100J	.200G	50NA	30V	70	
2N3147	P	G	TII	605	TO 3	180	75	80.0	15.000A	150.000W	100J	.200G	10MA	150V	60	
2N3149	N	S	STC,SOL,TEC,SPC,HUG	561	TO114	80	80	10.0	70.000A	300.000W	200J	.100G	10MA	180V	600	
2N3150	N	S	STC,SOL,TEC,SPC,HUG	561	TO114	100	100	10.0	70.000A	300.000W	200J	.100G	2MA	80V	20	50.000A
2N3151	N	S	STC,SOL,TEC,SPC,HUG	561	TO114	150	150	10.0	70.000A	300.000W	200J	.100G	2MA	100V	20	50.000A
2N3163	P	S	STC	561	TO 61	40	40	10.0	3.000A	85.000W	200J	.100G	2MA	150V	20	50.000A
2N3164	P	S	STC	561	TO 61	60	60	10.0	3.000A	85.000W	200J	HF AMP	1MA	40V	20	1.000A
2N3165	P	S	STC	561	TO 61	80	80	10.0	3.000A	85.000W	200J	HF AMP	1MA	60V	20	1.000A
2N3166	P	S	STC	561	TO 61	100	100	10.0	3.000A	85.000W	200J	HF AMP	1MA	80V	20	1.000A
2N3167	P	S	STC	731	TO 53	40	40	10.0	3.000A	85.000W	200J	HF AMP	1MA	100V	20	1.000A
2N3168	P	S	STC	731	TO 53	60	60	10.0	3.000A	85.000W	200J	HF AMP	1MA	40V	20	1.000A
2N3169	P	S	STC	731	TO 53	80	80	10.0	3.000A	85.000W	200J	HF AMP	1MA	60V	20	1.000A
2N3170	P	S	STC	731	TO 53	100	100	10.0	3.000A	85.000W	200J	HF AMP	1MA	80V	20	1.000A
2N3171	P	S	STC	605	TO 3	40	40	10.0	3.000A	75.000W	200J	HF AMP	1MA	100V	20	1.000A
2N3172	P	S	STC	605	TO 3	60	60	10.0	3.000A	75.000W	200J	HF AMP	1MA	40V	20	1.000A
2N3173	P	S	STC	605	TO 3	80	80	10.0	3.000A	75.000W	200J	HF AMP	1MA	60V	20	1.000A
2N3174	P	S	STC	605	TO 3	100	100	10.0	3.000A	75.000W	200J	HF AMP	1MA	80V	20	1.000A
2N3175	P	S	STC	561	TO 61	40	40	10.0	5.000A	85.000W	200J	HF AMP	1MA	100V	20	1.000A
2N3176	P	S	STC	561	TO 61	60	60	10.0	5.000A	85.000W	200J	HF AMP	1MA	40V	16	2.000A
2N3177	P	S	STC	561	TO 61	80	80	10.0	5.000A	85.000W	200J	HF AMP	1MA	60V	16	2.000A
2N3178	P	S	STC	561	TO 61	100	100	10.0	5.000A	85.000W	200J	HF AMP	1MA	80V	16	2.000A
2N3179	P	S	STC	731	TO 53	40	40	10.0	5.000A	85.000W	200J	HF AMP	1MA	100V	16	2.000A
2N3180	P	S	STC	731	TO 53	60	60	10.0	5.000A	85.000W	200J	HF AMP	1MA	40V	16	2.000A
2N3181	P	S	STC	731	TO 53	80	80	10.0	5.000A	85.000W	200J	HF AMP	1MA	60V	16	2.000A
2N3182	P	S	STC	731	TO 53	100	100	10.0	5.000A	85.000W	200J	HF AMP	1MA	80V	16	2.000A
2N3183	P	S	STC	605	TO 3	40	40	10.0	5.000A	75.000W	200J	HF AMP	1MA	100V	16	2.000A
2N3184	P	S	STC	605	TO 3	60	60	10.0	5.000A	75.000W	200J	HF AMP	1MA	40V	16	2.000A
2N3185	P	S	STC	605	TO 3	80	80	10.0	5.000A	75.000W	200J	HF AMP	1MA	60V	16	2.000A
2N3186	P	S	STC	605	TO 3	100	100	10.0	5.000A	75.000W	200J	HF AMP	1MA	80V	16	2.000A
2N3187	P	S	STC	561	TO 61	40	40	10.0	5.000A	85.000W	200J	HF AMP	1MA	100V	16	2.000A
2N3188	P	S	STC	561	TO 61	60	60	10.0	5.000A	85.000W	200J	HF AMP	1MA	40V	16	3.000A
2N3189	P	S	STC	561	TO 61	80	80	10.0	5.000A	85.000W	200J	HF AMP	1MA	60V	16	3.000A
2N3190	P	S	STC	561	TO 61	100	100	10.0	5.000A	85.000W	200J	HF AMP	1MA	80V	16	3.000A
2N3191	P	S	STC	731	TO 53	40	40	10.0	5.000A	85.000W	200J	HF AMP	1MA	100V	16	3.000A
2N3192	P	S	STC	731	TO 53	60	60	10.0	5.000A	85.000W	200J	HF AMP	1MA	40V	16	3.000A
2N3193	P	S	STC	731	TO 53	80	80	10.0	5.000A	85.000W	200J	HF AMP	1MA	60V	16	3.000A
2N3194	P	S	STC	731	TO 53	100	100	10.0	5.000A	85.000W	200J	HF AMP	1MA	80V	16	3.000A
2N3195	P	S	STC	605	TO 3	40	40	10.0	5.000A	75.000W	200J	HF AMP	1MA	100V	16	3.000A
2N3196	P	S	STC	605	TO 3	60	60	10.0	5.000A	75.000W	200J	HF AMP	1MA	40V	16	3.000A
2N3197	P	S	STC	605	TO 3	80	80	10.0	5.000A	75.000W	200J	HF AMP	1MA	60V	16	3.000A
2N3198	P	S	STC	605	TO 3	100	100	10.0	5.000A	75.000W	200J	HF AMP	1MA	80V	16	3.000A
2N3209	P	S	RAY,ITT,FSC	211	TO 18	20	20	4.0		.360W	200J	HF AMP	1MA	100V	16	3.000A
2N3210	N	S	RAY,MOT	211	TO 18	40	15	5.0		.360W	200J	400.000G			60	.030A
2N3212	P	G	DEL	631	TO 37		100X	2.0	5.000A			400.000G			60	.010A
2N3213	P	G	DEL	631	TO 37		80X	2.0	5.000A			.600G	1MA	100V	52	3.000A
2N3214	P	G	DEL	631	TO 37		60X	2.0	5.000A			.600G	1MA	80V	52	3.000A
2N3215	P	G	DEL	631	TO 37		40X	2.0	5.000A			.600G	1MA	60V	52	3.000A
2N3217	P	S	RAY,SPR,NSC,SOL,SSO,HUG	211	TO 46	15	10	15.0	.100A	.400W	200J	1.000G	1MA	40V	50	3.000A
2N3218	P	S	RAY,SPR,NSC,SOL,SSO,HUG	211	TO 46	25	20	25.0	.100A	.400W	200J	1.000G	1NA	15V	60	.001A
2N3219	P	S	RAY,SPR,NSC,SOL,SSO,HUG	211	TO 46	40	35	40.0	.100A	.400W	200J	1.000G	1NA	25V	60	.001A
2N3226	N	S	BEN,ETC	605	TO 3	35	35		5.000A	75.000W	200J	1.000G	1NA	40V	40	.001A
2N3227	N	S	MOT,RAY	210	TO 18	40	20	6.0	.500A	.360W	200J	.020E	2MA	35V	32	2.000A
2N3229			SEE RF POWER SECTION									500.000G	200NA	20V	180	.010A
2N3232	N	S	STC,BEN,WHE,FSC,MOT	605	TO 3	60	60	6.0	7.500A	117.000W	200J	1.000G	5MA	80V	38	3.000A
2N3233	N	S	STC,WHE,BEN,FSC	605	TO 3	100	100	6.0	7.500A	117.000W	200J	1.000G	5MA	110V	38	3.000A
2N3234	N	S	STC,WHE,FSC	605	TO 3	160	160	6.0	7.500A	117.000W	200J	1.000G	5MA	160V	38	3.000A
2N3235	N	S	STC,BEN,MOT	605	TO 3	55	55	7.0	15.000A	117.000W	200J	HF AMP	5MA	65V	46	
2N3236	N	S	STC,WHE,BEN	605	TO 3	100	90	7.0	15.000A	150.000W	200J	HF AMP	5MA	90V	40	
2N3237	N	S	STC,WHE	605	TO 3	90	75	7.0	20.000A	200.000W	200J	HF AMP	5MA	75V	24	
2N3238	N	S	STC,WHE	605	TO 3	80	80	8.0	15.000A	150.000W	200J	HF AMP	5MA	80V	16	
2N3239	N	S	STC,WHE	605	TO 3	80	80	8.0	15.000A	150.000W	200J	HF AMP	5MA	80V	16	
2N3240	N	S	STC,WHE	605	TO 3	160	160R	8.0	15.000A	150.000W	200A	HF AMP	5MA	160V	16	
2N3241A	N	S	RCA	211	TO104	30	25	7.5		.500W	175J	175.000G	100NA	25V	150	.010A
2N3242A	N	S	RCA	211	TO104	40	40	8.0		.500W	175J	175.000G	10NA	25V	200	.010A
2N3244	P	S	RAY,MOT,TII,HUG	211	TO 5	40	40	5.0	1.000A	1.000W	200J	175.000G	50NA	30V	90	.500A
2N3245	P	S	RAY,MOT,TII,HUG	211	TO 5	50	50	5.0	1.000A	1.000W	200J	150.000G	50NA	50V	50	.500A
2N3248	P	S	MOT,TEC,HUG	210	TO 18	15	12	5.0		.360W	200J	250.000G	50NA	10V	80	.010A
2N3249	P	S	MOT,TEC,HUG	210	TO 18	15	12	5.0		.360W	200J	300.000G	50NA	10V	180	.010A
2N3250	P	S	MOT,RAY,FSC,TII,ITT,TEC	211	TO 18	50	40	5.0	.200A	.360W	200J	250.000G	20NA	40V	90	.010A
2N3250A	P	S	MOT,RAY,TII,TEC,HUG,FSC	211	TO 18	60	60	5.0	.200A	.360W	200J	250.000G	20NA	40V	90	.010A
2N3251	P	S	MOT,RAY,FSC,TII,ITT,TEC	211	TO 18	50	40	5.0	.200A	.360W	200J	300.000G	20NA	40V	200	.010A
2N3251A	P	S	MOT,RAY,TII,TEC,HUG,FSC	211	TO 18	60	60	5.0	.200A	.360W	200J	300.000G	20NA	40V	200	.010A
2N3252	N	S	FSC,TII,RAY,MOT,ITT,TEC	211	TO 5	60	30	5.0	1.000A	1.000W	200J	200.000G	500NA	40V	50	.500A
2N3253	N	S	FSC,TII,RAY,MOT,ITT,TEC	211	TO 5	75	40	5.0	1.000A	1.000W	200J	175.000G	500NA	60V	40	.375A
2N3261	N	S	RCA	211	TO 52	40	15	6.0	.500A	.300W	175J	300.000G	25NA	15V	50	.100A
2N3262	N	S	RCA	211	TO 39	100	80	4.0	1.500A	1.000W	175J	150.000G	100NA	30V	80	.500A
2N3263	N	S	RCA	913	913A	150	90	7.0	25.000A	84.000W	200J	20.000G	4MA	80V	44	15.000A
2N3264	N	S	RCA	913	913A	120	60	7.0	25.000A	84.000W	200J	20.000G	10MA	60V	40	15.000A
2N3265	N	S	RCA,BEN	561	TO 63	150	90	7.0	25.000A	125.000W	200J	20.000G	4MA	80V	44	15.000A
2N3266	N	S	RCA,BEN	561	TO 63	120	60	7.0	25.000A	125.000W	200J	20.000G	10MA	60V	40	15.000A
2N3268	N	S	TRW	210	TO 5	45	45	1.0		2.500W		12.500G	500NA	30V	32	.010A
2N3279	P	G	MOT	217	TO 72	30	20	1.0	.050A	.100W	100J	400.000G	5UA	10V	30	.003A

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N3280	P	G	MOT	217	TO 72	30	20	1.0	.050A	.100W	100J	400.000G	5UA	10V	30	.003A
2N3281	P	G	MOT	217	TO 72	30	15	.5	.050A	.100W	100J	300.000G	5UA	10V	40	.003A
2N3282	P	G	MOT	217	TO 72	30	15	.5	.050A	.100W	100J	300.000G	5UA	10V	40	.003A
2N3283	P	G	MOT	217	TO 72	25	25$	.5	.050A	.100W	100J	400.000G	10UA	10V	30	.003A
2N3284	P	G	MOT	217	TO 72	25	25$	.5	.050A	.100W	100J	400.000G	10UA	10V	30	.003A
2N3285	P	G	MOT	217	TO 72	20	20$	.5	.050A	.100W	100J	400.000G	10UA	10V	15	.003A
2N3286	P	G	MOT	217	TO 72	20	20$	.5	.050A	.100W	100J	400.000G	10UA	10V	15	.003A
2N3287	N	S	MOT	217	TO 72	40	20	3.0	.050A	.200W	200J	350.000G	10NA	15V	40	.002A
2N3288	N	S	MOT	217	TO 72	40	20	3.0	.050A	.200W	200J	350.000G	10NA	15V	40	.002A
2N3289	N	S	MOT	217	TO 72	30	15	3.0	.050A	.200W	200J	300.000G	10NA	15V	40	.002A
2N3290	N	S	MOT	217	TO 72	30	15	3.0	.050A	.200W	200J	300.000G	10NA	15V	40	.002A
2N3291	N	S	MOT	217	TO 72	25	25$	3.0	.050A	.200W	200J	250.000G	100NA	10V	20	.002A
2N3292	N	S	MOT	217	TO 72	25	25$	3.0	.050A	.200W	200J	250.000G	100NA	10V	20	.002A
2N3293	N	S	MOT	217	TO 72	20	20$	3.0	.050A	.200W	200J	250.000G	100NA	10V	20	.002A
2N3294	N	S	MOT	217	TO 72	20	20$	3.0	.050A	.200W	200J	250.000G	100NA	10V	20	.002A
2N3295	N	S	MOT	210	TO 5	60	60$	5.0	.250A	.800W	175J	200.000G	100NA	50V	36	.010A
2N3296	N	S	MOT	546	TO102	60	60$	3.0	.700A	6.000W	175J	100.000G	100NA	50V	18	.040A
2N3297	N	S	MOT	605	TO 3	60	60$	3.0	1.500A	25.000W	175J	100.000G	1UA	50V	12	.400A
2N3298	N	S	MOT,TRW	210	TO 18	25	25$	3.0	.100A	.300W	175J	200.000G	500NA	10V	90	.010A
2N3299	N	S	FSC,ITT,RAY,NSC,MOT,IMH	211	TO 5	60	30	5.0		.800W	200J	250.000G	10NA	50V	76	.150A
2N3300	N	S	FSC,ITT,RAY,NSC,MOT,IMH	211	TO 5	60	30	5.0		.800W	200J	250.000G	10NA	50V	220	.150A
2N3301	N	S	FSC,ITT,RAY,NSC,MOT,HUG	211	TO 18	60	30	5.0		.360W	200J	250.000G	10NA	50V	76	.150A
2N3302	N	S	FSC,ITT,RAY,NSC,MOT,HUG	211	TO 18	60	30	5.0		.360W	200J	250.000G	10NA	50V	220	.150A
2N3303	N	S	TII,MOT,ITT,TEC,FSC	211	TO 5	25	12	4.0	1.000A	.600W	200J	450.000G	100UA	15V	60	.300A
2N3304	P	S	TII,MOT,FSC	211	TO 18	6	6	4.0		.300W	200J	500.000G	10NA	3V	60	.010A
2N3307	P	S	MOT	217	TO 72	40	35	3.0	.050A	.200W	200J	300.000G	10UA	15V	100	.002A
2N3308	P	S	MOT	217	TO 72	30	25	3.0	.050A	.200W	200J	300.000G	10UA	15V	90	.002A
2N3309	N	S	MOT	210	TO 5	50	50$	3.0	.500A	1.000W	175J	300.000G	500NA	25V	30	.030A
2N3311	P	G	MOT,ETC,HUG	405	TO 36	30	20	20.0	5.000A	170.000W	110J	.001E	5MA	30V	90	3.000A
2N3312	P	G	MOT,ETC,HUG	405	TO 36	45	30	25.0	5.000A	170.000W	110J	.001E	5MA	45V	90	3.000A
2N3313	P	G	MOT,ETC,HUG	405	TO 36	60	40	30.0	5.000A	170.000W	110J	.001E	5MA	60V	90	3.000A
2N3314	P	G	MOT,ETC,HUG	405	TO 36	30	20	20.0	5.000A	170.000W	110J	.001E	5MA	30V	150	3.000A
2N3315	P	G	MOT,ETC,HUG	405	TO 36	45	30	25.0	5.000A	170.000W	110J	.001E	5MA	45V	150	3.000A
2N3316	P	G	MOT,ETC,HUG	405	TO 36	60	40	30.0	5.000A	170.000W	110J	.001E	5MA	60V	150	3.000A
2N3317	P	S	SPR,HUG	170	170J	30	30	30.0	.050A	.150W	140A	6.400G	1NA	10V		
2N3318	P	S	SPR,HUG	170	170J	15	15	15.0	.050A	.150W	140A	7.600G	1NA	10V		
2N3319	P	S	SPR,HUG	170	170J	10	6	10.0	.050A	.150W	140A	12.000G	3NA	6V		
2N3320	P	G	SPR,HUG	210	TO 18	15	10	2.0	.100A	.075W	100A	600.000G	5NA	10V	80	.020A
2N3321	P	G	SPR,HUG	210	TO 18	12	7	2.0	.100A	.075W	100A	600.000G	5NA	6V	140	.020A
2N3322	P	G	SPR,HUG	210	TO 18	12	7	2.0	.100A	.075W	100A	600.000G	5NA	6V	54	.020A
2N3323	P	G	MOT	210	TO 18	35	35$	3.0	.100A	.150W	100J	200.000G	10UA	10V	80	.003A
2N3324	P	G	MOT	210	TO 18	35	35$	3.0	.100A	.150W	100J	200.000G	10UA	10V	80	.003A
2N3325	P	G	MOT	210	TO 18	35	35$	3.0	.100A	.150W	100J	200.000G	10UA	10V	80	.003A
2N3326	N	S	TRW,RAY,HUG	211	TO 5	60	45	5.0		.800W	200J	500.000G	10NA	50V	70	.150A
2N3340	N	S	SOL,SSO,HUG	211	TO 46	30	20	5.0	.030A	.400W	175J	70.000G	1NA	24V	60	.001A
2N3341	P	S	SOL,SSO,HUG	211	TO 46	30	20	5.0	.030A	.400W	175J	50.000G	10NA	24V	60	.001A
2N3342	P	S	SOL,SSO,HUG	210	TO 5	20	8	20.0	.050A	.250W	175J	2.000B	20NA	6V	60	.005A
2N3343	P	S	SOL,HUG	210	TO 5	25	8	20.0	.050A	.250W	175J	2.000B	3NA	6V	30	.001A
2N3344	P	S	SOL,SSO,HUG	210	TO 5	30	30	25.0	.050A	.250W	175J	2.000G	2NA	25V	38	.001A
2N3345	P	S	SOL,SSO,HUG	210	TO 5	50	50	50.0	.050A	.250W	175J	2.000G	5NA	30V	23	.001A
2N3346	P	S	SOL,SSD,HUG	210	TO 5	50	50	50.0	.050A	.250W	175J	2.000G	5NA	40V	38	.001A
2N3371	P	G	TII	211	TO 18	25	10	.3	.100A	.150W	100A	300.000G	7UA	6V	100	.012A
2N3375			SEE RF POWER SECTION													
2N3388	N	S	RAY	211	TO 5	125	100	6.0		.600W	200J	36.000G	10NA	60V	90	.003A
2N3390	N	S	GEC,SES	45	TO 98	25	25	5.0	.100A	.200W	100J	AUO	100NA	18V	600	
2N3391	N	S	GEC,SPR,SES,HUG	45	TO 98	25	25	5.0	.100A	.200W	100J	90.000G	100NA	25V	375	
2N3391A	N	S	GEC,SPR,SES,HUG	45	TO 98	25	25	5.0	.100A	.200W	100J	90.000G	100NA	25V	375	
2N3392	N	S	GEC,SPR,SES,HUG	45	TO 98	25	25	5.0	.100A	.200W	100J	80.000G	100NA	25V	225	
2N3393	N	S	GEC,SPR,SES,HUG	45	TO 98	25	25	5.0	.100A	.200W	100J	80.000G	100NA	25V	135	
2N3394	N	S	GEC,SPR,SES,HUG	45	TO 98	25	25	5.0	.100A	.200W	100J	80.000G	100NA	25V	82	
2N3395-WHT	N	S	GEC,SPR,SES	45	TO 98	25	25	5.0	.100A	.200W	100J	AUD	100NA	18V	375	
2N3395-YEL	N	S	GEC,SPR,SES	45	TO 98	25	25	5.0	.100A	.200W	100J	AUD	100NA	18V	225	
2N3396-ORG	N	S	GEC,SPR,SES	45	TO 98	25	25	5.0	.100A	.135W	100J	AUO	100NA	18V	135	
2N3396-WHT	N	S	GEC,SPR,SES	45	TO 98	25	25	5.0	.100A	.135W	100J	AUO	100NA	18V	375	
2N3396-YEL	N	S	GEC,SPR,SES	45	TO 98	25	25	5.0	.100A	.135W	100J	AUD	100NA	18V	225	
2N3397-ORG	N	S	GEC,SPR,SES	45	TO 98	25	25	5.0	.100A	.135W	100J	AUO	100NA	18V	135	
2N3397-RED	N	S	GEC,SPR,SES	45	TO 98	25	25	5.0	.100A	.135W	100J	AUD	100NA	18V	82	
2N3397-WHT	N	S	GEC,SPR,SES	45	TO 98	25	25	5.0	.100A	.135W	100J	AUD	100NA	18V	375	
2N3397-YEL	N	S	GEC,SPR,SES	45	TO 98	25	25	5.0	.100A	.135W	100J	AUD	100NA	18V	225	
2N3398-BLU	N	S	GEC,SPR,SES	45	TO 98	25	25	5.0	.100A	.135W	100J	AUD	100NA	18V	600	
2N3398-ORG	N	S	GEC,SPR,SES	45	TO 98	25	25	5.0	.100A	.135W	100J	AUD	100NA	18V	135	
2N3398-RED	N	S	GEC,SPR,SES	45	TO 98	25	25	5.0	.100A	.135W	100J	AUD	100NA	18V	82	
2N3398-WHT	N	S	GEC,SPR,SES	45	TO 98	25	25	5.0	.100A	.135W	100J	AUD	100NA	18V	375	
2N3399	P	G	AMP	217	TO 72	20		.3	.007A	.080W	90J	300.000G	8UA	20V	40	
2N3401	P	S	SOL	210	TO 5	25	25	25.0	.100A	.250W	150J	.100B	100NA	20V	30	.001A
2N3402	N	S	GEC,SES,SPR,HUG	45	45B	25	25	5.0	.500A	.560W	150J	MS SW	100NA	25V	150	
2N3403	N	S	GEC,SES,SPR,HUG	45	45B	25	25	5.0	.500A	.560W	150J	MS SW	100NA	25V	360	
2N3404	N	S	GEC,SES,SPR,HUG	45	45B	50	50	5.0	.500A	.560W	150J	MS SW	100NA	50V	150	
2N3405	N	S	GEC,SES,SPR,HUG	45	45B	50	50	5.0	.500A	.560W	150J	MS SW	100NA	50V	360	
2N3412	P	G	ETC,HUG	210	TO 5	20	20$	2.0	.100A	.060W	100J	100.000G	3UA	5V	80	.010A
2N3414	N	S	GEC,SPR,SES,HUG	45	TO 98	25	25	5.0	.500A	.360W	150J	MS SW	100NA	25V	150	
2N3415	N	S	GEC,SPR,SES,HUG	45	TO 98	25	25	5.0	.500A	.360W	150J	MS SW	100NA	25V	360	
2N3416	N	S	GEC,SPR,SES,HUG	45	TO 98	50	50	5.0	.500A	.360W	150J	MS SW	100NA	50V	150	
2N3417	N	S	GEC,SPR,SES,HUG	45	TO 98	50	50	5.0	.500A	.360W	150J	MS SW	100NA	50V	360	
2N3418	N	S	TII,TEC,BEN,HUG	211	TO 5	85	60	8.0	3.000A	.800W	125C	40.000G	30NA	80V	40	
2N3419	N	S	TII,BEN,TEC,HUG	211	TO 5	125	80	8.0	3.000A	.800W	125C	40.000G	30NA	120V	40	
2N3420	N	S	TII,BEN,TEC,HUG	211	TO 5	85	60	8.0	3.000A	.800W	125C	40.000G	30NA	80V	80	
2N3421	N	S	TII,BEN,TEC,HUG	211	TO 5	125	80	8.0	3.000A	.800W	125C	40.000G	30NA	120V	80	
2N3426	N	S	FSC,ITT	211	211K	25	12	4.0	1.000A	.600W	200J	200.000G	100UA	15V	60	.300A
2N3427	P	S	MOT	210	TO 5	45	30R	30.0	.500A	.200W	100J	4.000B	50UA	45V	210	.100A
2N3428	P	G	MOT,HUG	210	TO 5	45	30R	30.0	.500A	.200W	100J	5.000B	50UA	45V	260	.100A
2N3429	N	S	WHE	560	560A		50	25.0	7.500A	150.000W	175J	.250G	2MA	50V	20	5.000A
2N3430	N	S	WHE	560	560A		100	25.0	7.500A	150.000W	175J	.250G	2MA	100V	20	5.000A
2N3431	N	S	WHE	560	560A		150	25.0	7.500A	150.000W	175J	.250G	2MA	150V	20	5.000A
2N3432	N	S	WHE	560	560A		200	25.0	7.500A	150.000W	175J	.250G	2MA	200V	20	5.000A
2N3433	N	S	WHE	560	560A		250	25.0	7.500A	150.000W	175J	.250G	2MA	250V	20	5.000A
2N3439	N	S	RCA,FSC,MOT,HUG	211	TO 5	450	350	7.0	1.000A	10.000W	200J	15.000G	20UA	300V	80	.020A
2N3440	N	S	RCA,FSC,MOT,HUG	211	TO 5	300	250	7.0	1.000A	10.000W	200J	15.000G	50UA	200V	80	.020A
2N3441	N	S	STC,RCA,TEC,FSC,WHE,MOT	605	TO 66	160	140	7.0	3.000A	25.000W	200J	150.000G	5MA	140V	50	.500A
2N3442	N	S	RCA,WHE,STC,FSC,HUG	605	TO 3	160	140	7.0	10.000A	117.000W	200J	AUD	1MA	140V	38	2.000A
2N3444	N	S	TII,FSC,ITT,RAY,TEC,MOT	211	TO 5	80	50	5.0	1.000A	1.000W	200J	150.000G	500NA	60V	34	.500A
2N3445	N	S	MOT	605	TO 3	80	60	6.0	7.500A	115.000W	200J	10.000G	100UA	60V	40	3.000A
2N3446	N	S	MOT	605	TO 3	100	80	10.0	7.500A	115.000W	200J	10.000G	100UA	80V	40	3.000A
2N3447	N	S	MOT	605	TO 3	80	60	6.0	7.500A	115.000W	200J	10.000G	100UA	60V	75	5.000A
2N3448	N	S	MOT	605	TO 3	100	80	10.0	7.500A	115.000W	200J	10.000G	100UA	80V	75	5.000A
2N3461	P	G	BEN	211	TO 5	60	30	1.5	3.000A	5.000W	110C	.010F	3MA	60V	128	.500A
2N3467	N	S	RAY,MOT,FSC,TII,HUG	211	TO 5	40	40	5.0	1.000A	1.000W	200J	175.000G	100NA	30V	70	.500A
2N3468	N	S	TII,MOT,FSC,RAY	211	TO 5	50	50	5.0	1.000A	1.000W	200J	150.000G	100NA	30V	40	.500A
2N3469	N	S	SOL,HUG	211	TO 5	35	25	8.0		4.000W	200J	70.000G	100NA	35V	200	1.000A

Transistor Type No.	N P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{r,B}$	$V_{r,E}$	$V_{s,B}$	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{r,BO}$ @	$V_{r,B}$	Gain h_{f_e} @	I_c
2N3470	N	S	WHE	561	561F	50	50	15.0	10.000A	150.000W	150J	.500G	200UA	50V	360	10.000A
2N3471	N	S	WHE	561	561F	100	100	15.0	10.000A	150.000W	150J	.500G	200UA	100V	360	10.000A
2N3472	N	S	WHE	561	561F	150	150	15.0	10.000A	150.000W	150J	.500G	200UA	150V	360	10.000A
2N3473	N	S	WHE	561	561F	200	200	15.0	10.000A	150.000W	150J	.500G	200UA	200V	360	10.000A
2N3474	N	S	WHE	561	561F	50	50	15.0	10.000A	150.000W	150J	.500G	200UA	50V	500	10.000A
2N3475	N	S	WHE	561	561F	100	100	15.0	10.000A	150.000W	150J	.500G	200UA	100V	500	10.000A
2N3476	N	S	WHE	561	561F	150	150	15.0	10.000A	150.000W	150J	.500G	200UA	150V	500	10.000A
2N3477	N	S	WHE	561	561F	200	200	15.0	10.000A	150.000W	150J	.500G	200UA	200V	500	10.000A
2N3478	N	S	RCA	193	TO104	30	15	2.0		.200W	200J	750.000G	20NA	1V	90	.002A
2N3485	P	S	FSC,TII,MOT,RAY,HUG	211	TO 46	60	40	5.0	.600A	.360W	200J	200.000G	20NA	50V	70	.150A
2N3485A	P	S	FSC,TII,MOT,RAY,HUG	211	TO 46	60	60	5.0	.600A	.360W	200J	200.000G	10NA	50V	70	.150A
2N3486	P	S	FSC,TII,MOT,RAY,HUG	211	TO 46	60	40	5.0	.600A	.360W	200J	200.000G	20NA	50V	160	.150A
2N3486A	P	S	FSC,TII,MOT,RAY,HUG	211	TO 46	60	60	5.0	.600A	.360W	200J	200.000G	10NA	50V	160	.150A
2N3487	N	S	MOT	561	TO 61	80	60	10.0	7.500A	115.000W	200C	10.000G	100UA	80V	35	3.000A
2N3488	N	S	MOT	561	TO 61	100	80	10.0	7.500A	115.000W	200C	10.000G	100UA	100V	35	3.000A
2N3489	N	S	MOT	561	TO 61	120	100	10.0	7.500A	115.000W	200C	10.000G	100UA	120V	26	3.000A
2N3490	N	S	MOT	561	TO 61	80	60	10.0	7.500A	115.000W	200C	10.000G	100UA	80V	70	5.000A
2N3491	N	S	MOT	561	TO 61	100	80	10.0	7.500A	115.000W	200C	10.000G	100UA	100V	70	5.000A
2N3492	N	S	MOT	561	TO 61	120	100	10.0	7.500A	115.000W	200C	10.000G	100UA	120V	52	5.000A
2N3493	N	S	MOT	217	TO 72	12	8	5.0		.150W	200J	400.000G	5NA	6V	70	.001A
2N3494	P	S	MOT,TII,TEC,HUG	210	TO 5	80	80	4.5	.100A	.600W	200J	200.000G	100NA	50V	80	.010A
2N3495	P	S	MOT,TII,TEC	210	TO 5	120	120	4.5	.100A	.600W	200J	150.000G	100NA	90V	80	.010A
2N3496	P	S	MOT,TII,TEC	210	TO 18	80	80	4.5	.100A	.400W	200J	200.000G	100NA	50V	80	.010A
2N3497	P	S	MOT,TII,TEC	210	TO 18	120	120	4.5	.100A	.400W	200J	150.000G	100NA	90V	80	.010A
2N3498	N	S	MOT,TRW,TEC,HUG	210	TO 5	100	100	6.0	.500A	1.000W	200J	150.000G	50NA	50V	70	.150A
2N3499	N	S	MOT,TRW,TEC,HUG	210	TO 5	100	100	6.0	.500A	1.000W	200J	150.000G	50NA	50V	180	.150A
2N3500	N	S	MOT,TEC	210	TO 5	150	150	6.0	.300A	1.000W	200J	150.000G	50NA	75V	70	.150A
2N3501	N	S	MOT,TEC	210	TO 5	150	150	6.0	.300A	1.000W	200J	150.000G	50NA	75V	180	.150A
2N3502	P	S	FSC,TII,RAY,ITT,NSC,TEC	211	TO 5	45	45	5.0	.600A	.700W	200J	200.000G	10NA	30V	150	.150A
2N3503	P	S	FSC,TII,RAY,ITT,NSC,TEC	211	TO 5	60	60	5.0	.600A	.700W	200J	200.000G	10NA	50V	150	.150A
2N3504	P	S	FSC,TII,RAY,ITT,NSC,TEC	211	TO 18	45	45	5.0	.600A	.400W	200J	200.000G	10NA	30V	150	.150A
2N3505	P	S	FSC,TII,RAY,ITT,NSC,TEC	211	TO 18	60	60	5.0	.600A	.400W	200J	200.000G	10NA	50V	150	.150A
2N3506	N	S	MOT,BEN,HUG	210	TO 5	60	40	5.0	3.000A	1.000W	200J	60.000G	1UA	40V	90	1.500A
2N3507	N	S	MOT,BEN,HUG	210	TO 5	80	50	5.0	3.000A	1.000W	200J	60.000G	1UA	60V	68	1.500A
2N3508	N	S	MOT	210	TO 46	40	20	6.0	.500A	.400W	200J	50.000G	200NA	20V	70	.010A
2N3509	N	S	MOT	210	TO 46	40	20	6.0	.500A	.400W	200J	50.000G	200NA	20V	180	.010A
2N3510	N	S	MOT,FSC	210	TO 52	40	10	6.0	.500A	.360W	200J	350.000G	25NA	10V	60	.150A
2N3511	N	S	MOT,FSC	210	TO 46	40	15	6.0	.500A	.360W	200J	450.000G	25NA	10V	68	.150A
2N3512	N	S	RCA	211	TO 5	60	35	5.0		.800W	200J	250.000G	500NA	30V	20	
2N3543	N	S	MMH	605	TO 3	65	60	4.0	5.000A	60.000W	175J	150.000G	10UA	50V	30	4.500A
2N3544	N	S	MOT	210	TO 18	25	25S	3.0	.100A	.300W	175J	600.000G	100NA	15V	50	.010A
2N3545	P	S	RAY	211	TO 18	20	20	5.0		.360W	200J	250.000G			70	.010A
2N3546	P	S	MOT,RAY	210	TO 18	15	12	4.5		.360W	200J	700.000G	10NA	10V	60	.010A
2N3547	P	S	NSC	211	TO 18	60	60	6.0	.100A	.400W	200J	45.000G	25NA	45V	225	.001A
2N3548	P	S	NSC	211	TO 18	60	45	6.0	.100A	.400W	200J	60.000G	10NA	45V	300	.010A
2N3549	P	S	NSC	211	TO 18	60	60	6.0	.100A	.400W	200J	60.000G	10NA	45V	400	.010A
2N3550	P	S	NSC	211	TO 18	60	45	6.0	.100A	.400W	200J	60.000G	1NA	45V	500	.010A
2N3551	N	S	TII	911	911A	115	60	7.0	12.000A	1.200W	175J	40.000G	10MA	110V	44	
2N3552	N	S	TII	911	911A	140	80	7.0	12.000A	1.200W	175J	40.000G	10MA	135V	44	
2N3553			SEE RF POWER SECTION													
2N3554	N	S	TII,RAY	211	TO 5	60	30	5.0	1.200A	.800W	200J	150.000G	500NA	40V	50	.750A
2N3563	N	S	FSC,NSC,GIC,TEC,HUG	173	TO106	30	12	2.0		.200W	125J	600.000G	50NA	30V	70	.008A
2N3564	N	S	FSC,NSC,GIC,HUG	173	TO106	30	15	4.0		.200W	125J	400.000G	100UA	30V	70	.015A
2N3565	N	S	FSC,NSC,GIC,TEC,PHF,HUG	173	TO106	30	25	6.0		.200W	125J	40.000G	50NA	30V	300	.001A
2N3566	N	S	FSC,NSC,PHF,HUG	173	TO105	40	30	5.0		.300W	125J	40.000G	50NA	40V	300	.010A
2N3567	N	S	FSC,NSC,HUG	173	TO105	80	40	5.0	.500A	.300W	125J	60.000G	50UA	40V	70	.120A
2N3568	N	S	FSC,HUG	173	TO105	80	60	5.0	.500A	.300W	125J	60.000G	50UA	40V	70	.120A
2N3569	N	S	NSC,FSC,HUG	173	TO105	80	40	5.0	.500A	.300W	125J	60.000G	50UA	40V	175	.300A
2N3570	N	S	TII	217	TO 72	30	15	3.0	.050A	.200W	200J	1500.000G	10NA	6V	58	.005A
2N3571	N	S	TII	217	TO 72	25	15	3.0	.050A	.200W	200J	1200.000G	10NA	6V	70	.005A
2N3572	N	S	TII	217	TO 72	25	13	3.0	.050A	.200W	200J	1000.000G	10NA	6V	95	.005A
2N3576	P	S	TII,RAY	211	TO 18	20	15	5.0	.200A	.360W	175J	400.000G	10NA	15V	70	.010A
2N3579	P	S	SOL,SSO,HUG	211	TO 46	80	60	6.0	.030A	.400W	200J	80.000G	50NA	40V	60	.001A
2N3580	P	S	SOL,SSO,HUG	211	TO 46	80	60	6.0	.030A	.400W	200J	80.000G	50NA	40V	120	.001A
2N3581	P	S	SOL,SSO,HUG	211	TO 46	50	40	6.0	.030A	.400W	200J	100.000G	20NA	30V	100	.001A
2N3582	P	S	SOL,SSD,HUG	211	TO 46	50	40	6.0	.030A	.400W	200J	100.000G	20NA	30V	200	.001A
2N3583	N	S	RCA	605	TO 66	250	175	6.0	5.000A	35.000W	200J	100.000G	1MA	225V	80	.100A
2N3584	N	S	RCA	605	TO 66	375	250	6.0	5.000A	35.000W	200J	100.000G	1MA	300V	80	.100A
2N3585	N	S	RCA	605	TO 66	500	300	6.0	5.000A	35.000W	200J	100.000G	1MA	400V	80	.100A
2N3588	P	G	AMP	218	218E	25		.3	.010A	.100W	85J	270.000G	5UA	12V	66	.003A
2N3589	-N	S	GEC	635	635B	200	200R	10.0		15.000W	175J	15.000G	1UA	100V	50	.200A
2N3590	-N	S	GEC	635	635B	200	200	10.0		15.000W	175J	15.000G	1UA	100V	100	.200A
2N3591	-N	S	GEC	676	676A	200	200	10.0		15.000W	175J	15.000G	1UA	100V	50	.200A
2N3592	-N	S	GEC	676	676A	200	200	10.0		15.000W	175J	15.000G	1UA	100V	100	.200A
2N3593	-N	S	GEC	530	530B	200	200	10.0		7.000W	175J	15.000G	1UA	100V	50	.200A
2N3594	-N	S	GEC	530	530B	200	200	10.0		7.000W	175J	15.000G	1UA	100V	100	.200A
2N3595	-N	S	GEC	530	530A	200	200	10.0		15.000W	175J	15.000G	1UA	100V	50	.200A
2N3596	-N	S	GEC	530	530A	200	200R	10.0		15.000W	175J	15.000G	1UA	100V	100	.200A
2N3597	N	S	SOL,TEC,FSC,HUG	561	TO 63	60	40	8.0	20.000A	100.000W	200J	30.000G	100NA	30V	70	10.000A
2N3598	N	S	SOL,TEC,FSC,HUG	561	TO 63	80	60	8.0	20.000A	100.000W	200J	30.000G	100NA	30V	70	10.000A
2N3599	N	S	SOL,TEC,FSC,HUG	561	TO 63	100	80	8.0	20.000A	100.000W	200J	30.000G	100NA	30V	70	10.000A
2N3600	N	S	RCA,AMP	217	TO 72	30	15	3.0		.200W	200J	850.000G	10NA	15V	80	.003A
2N3605	N	S	GEC,SES	45	TO 98	18	14	5.0	.200A	.200W	100J	300.000G	500NA	18V	65	.010A
2N3605A	N	S	GEC	45	TO 98	40	15	5.0	.200A	.330W	125J	300.000G	25NA	20V	60	.010A
2N32606	N	S	GEC,SES	45	TO 98	18	14	5.0	.200A	.200W	100J	300.000G	500NA	18V	65	.010A
2N3606A	N	S	GEC	45	TO 98	40	15	5.0	.200A	.330W	125J	300.000G	25NA	20V	60	.010A
2N3607	N	S	GEC,SES	45	TO 98	18	14	5.0	.200A	.200W	100J	300.000G	500NA	18V	65	.010A
2N3611	P	G	MOT,BEN,SOL,ETC,HUG	605	TO 3	40	25	20.0	7.000A	85.000W	110J	.300G	5MA	40V	50	3.000A
2N3612	P	G	MOT,BEN,SOL,ETC,HUG	605	TO 3	60	35	30.0	7.000A	85.000W	110J	.300G	5MA	60V	50	3.000A
2N3613	P	G	MOT,BEN,SOL,ETC,HUG	605	TO 3	40	25	20.0	7.000A	85.000W	110J	.300G	5MA	40V	80	3.000A
2N3614	P	G	MOT,BEN,SOL,ETC,HUG	605	TO 3	60	35	30.0	7.000A	85.000W	110J	.300G	5MA	60V	80	3.000A
2N3615	P	G	MOT,BEN,SOL,ETC,HUG	605	TO 3	80	50	40.0	7.000A	85.000W	110J	.300G	5MA	80V	40	3.000A
2N3616	P	G	MOT,BEN,SOL,ETC,HUG	605	TO 3	100	60	50.0	7.000A	85.000W	110J	.300G	5MA	100V	40	3.000A
2N3617	P	G	MOT,BEN,SOL,ETC,HUG	605	TO 3	80	50	40.0	7.000A	85.000W	110J	.300G	5MA	80V	60	3.000A
2N3618	P	G	MOT,BEN,SOL,ETC,HUG	605	TO 3	100	60	50.0	7.000A	85.000W	110J	.300G	5MA	100V	60	3.000A
2N3619	N	S	BEN	210	TO 5	75	40	4.0	2.500A	7.500W	175J	200.000G	25UA	15V	80	1.000A
2N3620	N	S	BEN	540	540B	75	40	4.0	5.000A	7.500W	175J	200.000G	25UA	15V	80	1.000A
2N3621	N	S	BEN	560	TO 61	75	40	4.0	10.000A	15.000W	175J	200.000G	25UA	15V	80	1.000A
2N3622	N	S	BEN	561	TO 61	75	40	4.0	10.000A	15.000W	175J	200.000G	25UA	15V	80	1.000A
2N3623	N	S	BEN	210	TO 5	75	40	4.0	2.500A	7.500W	175J	200.000G	1UA	15V	80	1.000A
2N3624	N	S	BEN	540	540B	75	40	4.0	5.000A	7.500W	175J	200.000G	1UA	15V	80	1.000A
2N3625	N	S	BEN	560	TO 61	75	40	4.0	10.000A	15.000W	175J	200.000G	1UA	15V	80	1.000A
2N3626	N	S	BEN	561	TO 61	75	40	4.0	10.000A	15.000W	175J	200.000G	1UA	15V	80	1.000A
2N3627	N	S	BEN	210	TO 5	100	50	4.0	2.500A	7.500W	175J	200.000G	1UA	30V	80	1.000A
2N3628	N	S	BEN	540	540B	100	50	4.0	5.000A	7.500W	175J	200.000G	1UA	30V	80	1.000A
2N3629	N	S	BEN	560	TO 61	100	50	4.0	10.000A	20.000W	175J	200.000G	1UA	30V	80	1.000A
2N3630	N	S	BEN	561	TO 61	100	50	4.0	10.000A	20.000W	175J	200.000G	1UA	30V	80	1.000A
2N3632			SEE RF POWER SECTION													
2N3633	N	S	TEC,HUG	211	TO 18	15	60	4.0	.050A	.300W	200J	1300.000G	5NA	5V	88	.010A

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N3634	P	S	MOT,TEC	211	TO 5	140	140	5.0	1.000A	1.000W	200J	150.000G	100NA	100V	86	.050A
2N3635	P	S	MOT,TEC	211	TO 5	140	140	5.0	1.000A	1.000W	200J	200.000G	100NA	100V	130	.050A
2N3636	P	S	MOT,TEC	211	TO 5	175	175	5.0	1.000A	1.000W	200J	150.000G	100NA	100V	86	.050A
2N3637	P	S	MOT,TEC	211	TO 5	175	175	5.0	1.000A	1.000W	200J	200.000G	100NA	100V	130	.050A
2N3638	P	S	FSC,GIC,NSC,HUG	170	170G	25	25	4.0	.500A	.300W	125J	100.000G	35NA	15V	67	.050A
2N3638A	P	S	FSC,NSC,HUG	170	170G	25	25	4.0	.500A	.300W	125J	150.000G	35NA	15V	130	.050A
2N3639	P	S	HUG	170	170F	12	12	4.0		.200W	125J	350.000G	50NA	3V	60	
2N3640	P	S	HUG	170	170F	12	12	4.0		.200W	125J	400.000G	50NA	6V	60	
2N3641	N	S	FSC,NSC,HUG	170	170G	60	30	5.0		.500W	125J	250.000G	50NA	50V	70	
2N3642	N	S	FSC,NSC,HUG	170	170G	60	30	5.0		.500W	125J	250.000G	50NA	50V	70	
2N3643	N	S	FSC,NSC,HUG	170	170G	60	45	5.0		.500W	125J	250.000G	50NA	50V	140	
2N3644	P	S	NSC,FSC,HUG	173	TO105	45	45	5.0	.500A	.300W	125J	200.000G	35NA	30V	175	.150A
2N3645	P	S	NSC,FSC,HUG	173	TO105	60	60	5.0	.500A	.300W	125J	200.000G	35NA	50V	175	.150A
2N3646	N	S	FSC,HUG	170	170F	40	15	5.0		.200W	125J	400.000G	500NA	20V	60	
2N3647	N	S	MOT,HUG	211	TO 46	40	10	6.0	.500A	.400W	200J	350.000G	25NA	10V	70	.550A
2N3648	N	S	MOT,HUG	211	TO 46	40	15	6.0	.500A	.400W	200J	450.000G	25NA	10V	60	.150A
2N3659	N	S	TRW,HUG	211	TO 5	220	170	5.0	.500A	4.000W	200J	50.000G	10NA	120V	30	.010A
2N3660	P	S	TEC,HUG	211	TO 5	40	30	5.0	1.500A	5.000W	200A	25.000G	100NA	20V	50	.500A
2N3661	P	S	TEC,HUG	211	TO 5	60	50	5.0	1.500A	5.000W	200A	25.000G	100NA	30V	50	.500A
2N3662	N	S	GEC,SES	45	TO 98	18	12	3.0	.025A	.200W	100J	700.000G	500NA	15V	40	.008A
2N3663	N	S	GEC,SES	45	TO 98	30	12	3.0	.025A	.200W	100J	700.000G	500NA	15V	40	.008A
2N3665	N	S	ITT,NSC,TEC,HUG	211	TO 5	120	80	10.0	1.000A	5.000W	200J	60.000G	50NA	60V	70	.150A
2N3666	N	S	ITT,NSC,TEC,HUG	211	TO 5	120	80	10.0	1.000A	5.000W	200J	60.000G	50NA	60V	150	.150A
2N3667	N	S	STC,BEN	605	TO 3	50	50	5.0	15.000A	117.000W	200J	.500G	5MA	50V	30	8.000A
2N3671	P	S	FSC,RAY,ITT,MOT,HUG	211	TO 5	60	50	5.0	.600A	.600W	200J	200.000G	10NA	50V	120	.150A
2N3672	P	S	FSC,RAY,ITT,MOT,HUG	211	TO 18	60	50	5.0	.600A	.400W	200J	200.000G	10NA	50V	120	.150A
2N3673	P	S	FSC,RAY,MOT,HUG	211	TO 46	60	50	5.0	.600A	.350W	200J	200.000G	10NA	50V	120	.150A
2N3675	N	S	HUG	211	TO 5	90	55	7.0	3.000A	8.750W	200C	1.000G	5MA	90V	27	1.000A
2N3676	N	S	HUG	211	TO 5	90	90	7.0	3.000A	8.750W	200C	1.000G	5MA	90V	27	1.000A
2N3678	N	S	FSC,ITT,TRW	211	TO 5	75	55	6.0	.800A	.800W	200J	250.000G	10NA	60V	70	.150A
2N3681	N	S	RAY	217	TO 72	10	7	2.0		.200W	200J	1000.000G	10NA	60V	100	.002A
2N3688	N	S	FSC,GIC	170	170F	40	40	4.0		.200W	125J	400.000G	50NA	20V	70	.004A
2N3689	N	S	FSC,GIC	170	170F	40	40	4.0		.200W	125J	400.000G	50NA	20V	70	.004A
2N3690	N	S	FSC,GIC	170	170F	40	40	4.0		.200W	125J	400.000G	50NA	20V	70	.004A
2N3691	N	S	FSC,NSC,PHF	170	170F	35	25	4.0		.200W	125J	200.000G	50NA	30V	80	.010A
2N3692	N	S	FSC,NSC,PHF,HUG	170	170F	35	25	4.0		.200W	125J	200.000G	50NA	30V	200	.010A
2N3693	N	S	FSC,NSC,GIC	170	170F	45	45	4.0		.200W	125J	200.000G	50NA	35V	80	.010A
2N3694	N	S	FSC,NSC,GIC	170	170F	45	45	4.0		.200W	125J	200.000G	50NA	35V	200	.010A
2N3700	N	S	RAY,TRW,TEC,HUG	211	TO 18	140	80	7.0	1.000A	.500W	200J	100.000G	10NA	90V	160	.150A
2N3701	N	S	ITT,TEC,HUG	211	TO 18	140	80	7.0	1.000A	.500W	200J	80.000G	10NA	90V	70	.150A
2N3702	P	S	TII	43	TO 92	40	25	5.0	.200A	.300W	125J	100.000G	100NA	20V	150	.050A
2N3703	P	S	TII	43	TO 92	50	30	5.0	.200A	.300W	125J	100.000G	100NA	20V	75	.050A
2N3704	N	S	TII	43	TO 92	50	30	5.0	.800A	.360W	150J	100.000G	100NA	20V	160	.050A
2N3705	N	S	TII	43	TO 92	50	30	5.0	.800A	.360W	150J	100.000G	100NA	20V	80	.050A
2N3706	N	S	TII	43	TO 92	40	20	5.0	.800A	.360W	150J	100.000G	100NA	20V	300	.050A
2N3707	N	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125J	.200G	100NA	20V	200	.001A
2N3708-BLU	N	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125J	.090G	100NA	20V	350	.001A
2N3708-BRN	N	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125J	.090G	100NA	20V	65	.001A
2N3708-GRN	N	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125J	.090G	100NA	20V	250	.001A
2N3708-ORG	N	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125J	.090G	100NA	20V	128	.001A
2N3708-RED	N	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125J	.090G	100NA	20V	88	.001A
2N3708-VIO	N	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125J	.090G	100NA	20V	510	.001A
2N3708-YEL	N	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125J	.090G	100NA	20V	178	.001A
2N3709	N	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125J	.090G	100NA	20V	80	.001A
2N3710	N	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125J	.180G	100NA	20V	160	.001A
2N3711	N	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125J	.360G	100NA	20V	330	.001A
2N3712	N	S	TII,MOT	211	TO 5	150	150	5.0	.200A	.800W	175J	40.000G	100NA	75V	70	.030A
2N3713	P	G	MOT,TII	605	TO 3	80	60	7.0	10.000A	150.000W	200J	4.000G	1MA	80V	48	1.000A
2N3714	P	G	MOT,TII	605	TO 3	100	80	7.0	10.000A	150.000W	200J	4.000G	1MA	100V	48	1.000A
2N3715	P	G	MOT,TII	605	TO 3	80	60	7.0	10.000A	150.000W	200J	4.000G	1MA	80V	86	1.000A
2N3716	N	S	MOT,TII	605	TO 3	100	80	7.0	10.000A	150.000W	200J	4.000G	1MA	100V	86	1.000A
2N3719	P	S	MOT,TEC	211	TO 5	40	40	4.0	3.000A	1.000W	200J	60.000G	10UA	40V	70	1.000A
2N3720	P	S	MOT,TEC	211	TO 5	60	60	4.0	3.000A	1.000W	200J	60.000G	10UA	60V	70	1.000A
2N3721	N	S	SPR	45	TO 98	18	18	5.0	.100A	.360W	150J	AUD	500NA	18V	160	.002A
2N3722	N	S	FSC,GEC,RAY,MOT	211	TO 5	80	60	6.0	1.000A	.800W	200J	300.000G	500NA	40V	70	.100A
2N3723	N	S	FSC,GEC,MOT	211	TO 5	100	80	6.0	1.000A	.800W	200J	300.000G	500NA	50V	70	.100A
2N3724	N	S	FSC,TII,ITT,TEC,RAY,IMH	211	TO 5	50	30	6.0	1.000A	.800W	200J	250.000G	2UA	40V	60	.010A
2N3724A	N	S	TII,RAY	211	TO 5	50	30	6.0	1.200A	1.000W	200J	300.000G	500NA	40V	98	.100A
2N3725	N	S	FSC,TII,ITT,TEC,RAY,IMH	211	TO 5	80	50	6.0	1.000A	.800W	200J	250.000G	2UA	60V	60	.010A
2N3725A	N	S	TII,RAY	211	TO 5	80	50	6.0	1.200A	1.000W	200J	300.000G	500NA	60V	98	.100A
2N3730	P	G	RCA	605	TO 3	200		.5	3.000A	10.000W	85J	.015G	200UA	10V		
2N3731	P	G	RCA	605	TO 3	320		2.0	10.000A	5.000W	85J	.015G	200UA	10V		
2N3732	P	G	RCA	605	TO 3	100		.5	3.000A	3.000W	85J	.015G	200NA	10V		
2N3733			SEE RF POWER SECTION													
2N3734	N	S	MOT,FSC,RAY	211	TO 5	50	30	5.0	1.500A	1.000W	200J	250.000G	200NA	25V	60	1.000A
2N3735	N	S	MOT,RAY	211	TO 5	75	50	5.0	1.500A	.500W	200J	250.000G	20NA	40V	40	1.000A
2N3736	N	S	MOT,FSC,ITT	211	TO 46	50	30	5.0	1.500A	1.000W	200J	250.000G	200NA	25V	60	1.000A
2N3737	N	S	MOT	211	TO 46	75	50	5.0	1.500A	.500W	200J	250.000G	20NA	40V	40	1.000A
2N3738	N	S	MOT,FSC	605	TO 66	250	225	6.0	.250A	20.000W	175J	10.000G	100UA	250V	100	.100A
2N3739	N	S	MOT,FSC	605	TO 66	325	300	6.0	.250A	20.000W	175J	10.000G	100UA	325V	100	.100A
2N3740	P	S	MOT,TEC,FSC	605	TO 66	60	60	7.0	4.000A	25.000W	200J	4.000G	100UA	60V	50	.250A
2N3740A	P	S	MOT	605	TO 66	60	60	7.0	4.000A	25.000W	200J	4.000G	100NA	60V	55	.250A
2N3741	P	S	MOT,TEC,FSC	605	TO 66	80	80	7.0	4.000A	25.000W	200J	4.000G	100UA	80V	50	.250A
2N3741A	P	S	MOT	605	TO 66	80	80	7.0	4.000A	25.000W	200J	4.000G	100NA	80V	55	.250A
2N3742	N	S	MOT	211	TO 5	300	300	10.0	.050A	1.000W	200J	30.000G	200NA	200V	70	.030A
2N3743	P	S	MOT	211	TO 5	300	300	5.0	.050A	1.000W	200J	30.000G	300NA	200V	90	.030A
2N3744	N	S	BEN,SOL,TEC,HUG	568	T0111	60	40	7.0	5.000A	30.000W	200J	30.000G	100NA	60V	35	1.000A
2N3745	N	S	BEN,SOL,TEC,HUG	568	T0111	80	60	8.0	5.000A	30.000W	200J	30.000G	100NA	60V	35	1.000A
2N3746	N	S	BEN,SOL,TEC,HUG	568	T0111	100	80	8.0	5.000A	30.000W	200J	30.000G	100NA	60V	35	1.000A
2N3747	N	S	BEN,SOL,TEC,HUG	568	T0111	60	40	7.0	5.000A	30.000W	200J	40.000G	100NA	30V	70	1.000A
2N3748	N	S	BEN,SOL,TEC,HUG	568	T0111	80	60	8.0	5.000A	30.000W	200J	40.000G	100NA	60V	70	1.000A
2N3749	N	S	BEN,SOL,TEC,HUG	568	T0111	100	80	8.0	5.000A	30.000W	200J	40.000G	100NA	60V	70	1.000A
2N3750	N	S	BEN,SOL,TEC,HUG	568	T0111	60	40	7.0	5.000A	30.000W	200J	50.000G	100NA	30V	175	1.000A
2N3751	N	S	BEN,SOL,TEC,HUG	568	T0111	80	60	8.0	5.000A	30.000W	200J	50.000G	100NA	60V	175	1.000A
2N3752	N	S	BEN,SOL,TEC,HUG	568	T0111	100	80	8.0	5.000A	30.000W	200J	50.000G	100NA	60V	175	1.000A
2N3762	P	S	MOT	211	TO 5	40	40	5.0	1.500A	1.000W	200J	180.000G	100NA	20V	60	1.000A
2N3763	P	S	MOT	211	TO 5	60	60	5.0	1.500A	1.000W	200J	150.000G	100NA	30V	40	1.000A
2N3764	P	S	MOT	211	TO 46	40	40	5.0	1.500A	.500W	200J	180.000G	100NA	20V	60	1.000A
2N3765	P	S	MOT	211	TO 46	60	60	5.0	1.500A	.500W	200J	150.000G	100NA	30V	40	1.000A
2N3766	N	S	MOT,TEC,HUG	605	TO 66	80	60	6.0	4.000A	20.000W	175J	10.000G	100UA	60V	80	.500A
2N3767	N	S	MOT,TEC,HUG	605	TO 66	100	80	6.0	4.000A	20.000W	175J	10.000G	100UA	80V	80	.500A
2N3771	N	S	RCA,SOL,BEN,WHE,TII,STC	605	TO 3	50	40	5.0	30.000A	150.000W	200J	.200G	2MA	50V	30	15.000A
2N3772	N	S	RCA,SOL,BEN,WHE,TII,STC	605	TO 3	100	60	7.0	30.000A	150.000W	200J	.200G	5MA	100V	30	15.000A
2N3773	N	S	RCA,SOL,WHE,STC,MOT,HUG	605	TO 3	160	140	7.0	30.000A	150.000W	200J	AUD	2MA	140V	30	8.000A
2N3774	P	S	STC	211	TO 5	40	40	8.0	1.000A	8.750W	200J	F AMP	500UA	40V	30	.200A
2N3775	P	S	STC	211	TO 5	60	60	8.0	1.000A	8.750W	200J	HF AMP	500UA	60V	30	.200A
2N3776	P	S	STC	211	TO 5	80	80	8.0	1.000A	8.750W	200J	HF AMP	500UA	80V	30	.200A
2N3777	P	S	STC	211	TO 5	100	100	8.0	1.000A	8.750W	200J	HF AMP	500UA	100V	30	.200A
2N3778	P	S	STC	211	TO 5	40	40	8.0	1.000A	8.750W	200J	HF AMP	500UA	40V	20	.200A

Transistor Type No.	N, G // P S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{c,o}$	$V_{c,r}$	$V_{e,o}$	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{c,o}$, @ $V_{c,b}$		Gain $h_{f,}$ @	I_c
2N3779	P S	STC	211	TO 5	60	60	8.0	1.000A	8.750W	200J	HF AMP	500UA	60V	20	.200A
2N3780	P S	STC	211	TO 5	80	80	8.0	1.000A	8.750W	200J	HF AMP	500UA	80V	20	.200A
2N3781	P S	STC	211	TO 5	100	100	8.0	1.000A	8.750W	200J	HF AMP	500UA	100V	20	.200A
2N3782	N S	STC	211	TO 5	40	40	8.0	1.000A	8.750W	200J	HF AMP	500UA	40V	20	1.000A
2N3783	P G	MOT	217	TO 72	30	30S	20.0	.020A	.150W	100J	800.000G	5UA	10V	70	.003A
2N3784	P G	MOT	217	TO 72	30	30S	20.0	.020A	.150W	100J	700.000G	5UA	10V	70	.003A
2N3785	P G	MOT	217	TO 72	15	15S	12.0	.020A	.150W	100J	700.000G	5UA	10V	66	.003A
2N3788	N S	BEN,MOT	605	TO 3	400	325	5.0	3.000A	100.000W					6	2.500A
2N3789	P S	MOT,FSC	605	TO 3	60	60	7.0	10.000A	150.000W	200J	4.000G	1MA	60V	50	1.000A
2N3790	P S	MOT,FSC	605	TO 3	80	80	7.0	10.000A	150.000W	200J	4.000G	1MA	60V	50	1.000A
2N3791	P S	MOT,FSC	605	TO 3	60	60	7.0	10.000A	150.000W	200J	4.000G	1MA	80V	80	1.000A
2N3792	P S	MOT,FSC	605	TO 3	80	80	7.0	10.000A	150.000W	200J	4.000G	1MA	80V	80	1.000A
2N3793	N S	NSC	51	51A	40	20	5.0	.500A	.250W	125J	100.000G	500NA	15V	50	.010A
2N3794	N S	NSC	51	51A	40	20	5.0	.500A	.250W	125J	100.000G	500NA	15V	250	.010A
2N3798	P S	MOT,TII	211	TO 18	60	60	5.0	.050A	.360W	200J	100.000G	10NA	50V	260	.001A
2N3799	P S	MOT,TII	211	TO 18	60	60	5.0	.050A	.360W	200J	100.000G	10NA	50V	570	.001A
2N3818	N S	MOT	540	TO 60	60	60	4.0	1.000A	25.000W	175J	150.000G	1UA	50V	17	.400A
2N3826	N S	TII	168	168A	60	45	4.0	.030A	.200W	125J	200.000G	100NA	30V	80	.010A
2N3827	N S	TII	168	168A	60	45	4.0	.030A	.200W	125J	200.000G	100NA	30V	200	.010A
2N3828	N S	TII	43	TO 92	40	40	3.0	.100A	.300W	125J	360.000G	100NA	20V	100	.012A
2N3829	P S	TII	211	TO 52	35	20	5.0	.500A	.360W	175J	350.000G	300NA	20V	60	.030A
2N3830	N S	TII,RAY	211	TO 5	80	50	5.0	1.200A	1.000W	200J	200.000G	500NA	40V	30	.500A
2N3831	N S	TII,RAY	211	TO 5	70	40	5.0	1.200A	1.000W	200J	200.000G	500NA	40V	35	.500A
2N3832	N S	TII	217	TO 72	15	10	6.0	.035A	.200W	200J	800.000G	10NA	8V	60	.002A
2N3839	N S	RCA,MOT	217	TO 72	30	15	2.5	.040A	.200W	200J	1000.000G	10NA	15V	68	.003A
2N3840	P S	NSC,SPR,MOT,HUG	211	TO 46	50	50	50.0	.100A	.400W	200J	6.000G	1NA	40V	75	.001A
2N3841	P S	NSC,HUG	210	TO 18	100	100	80.0	.100A	.300W	175J	1.500G	2NA	50V	40	.001A
2N3842	P S	NSC,HUG	210	TO 18	120	120	120.0	.100A	.300W	175J	1.000G	20NA	50V	20	.001A
2N3843	N S	GEC,SPR,HUG	45	TO 98	30	30	4.0	.100A	.200W	100J	60.000G	500NA	18V	30	.002A
2N3843A	N S	GEC,SPR,HUG	45	TO 98	30	30	4.0	.100A	.200W	100J	60.000G	500NA	18V	30	.002A
2N3844	N S	GEC,SPR,HUG	45	TO 98	30	30	4.0	.100A	.200W	100J	90.000G	500NA	18V	52	.002A
2N3844A	N S	GEC,SPR,HUG	45	TO 98	30	30	4.0	.100A	.200W	100J	90.000G	500NA	18V	52	.002A
2N3845	N S	GEC,SPR,HUG	45	TO 98	30	30	4.0	.100A	.200W	100J	120.000G	500NA	18V	90	.002A
2N3845A	N S	GEC,SPR,HUG	45	TO 98	30	30	4.0	.100A	.200W	100J	120.000G	500NA	18V	90	.002A
2N3846	N S	TII	560	TO 63	300	200	10.0	20.000A	150.000W	175C	10.000G	2MA	300V	25	10.000A
2N3847	N S	TII	560	TO 63	400	300	10.0	20.000A	150.000W	175C	10.000G	2MA	300V	25	15.000A
2N3850	N S	SSP,TEC,BEN	561	TO 59	100	80			30.000W		40.000G	100NA	80V	30	2.000A
2N3851	N S	SSP,TEC,BEN	561	TO 59	100	80			30.000W		30.000G	100NA	80V	20	2.000A
2N3852	N S	SSP,BEN,TEC	561	TO 59	60	40			30.000W		40.000G	100NA	40V	30	2.000A
2N3853	N S	SSP,TEC,BEN	561	TO 59	60	40			30.000W		30.000G	100NA	40V	20	2.000A
2N3854	N S	GEC,SPR,SES,HUG	45	TO 98	18	18	4.0	.100A	.200W	100J	100.000G	500NA	18V	50	.002A
2N3854A	N S	GEC,SPR,SES,HUG	45	TO 98	30	30	4.0	.100A	.200W	100J	100.000G	500NA	18V	50	.002A
2N3855	N S	GEC,SPR,SES,HUG	45	TO 98	18	18	4.0	.100A	.200W	100J	130.000G	500NA	18V	80	.002A
2N3855A	N S	GEC,SPR,SES,HUG	45	TO 98	30	30	4.0	.100A	.200W	100J	130.000G	500NA	18V	80	.002A
2N3856	N S	GEC,SPR,SES,HUG	45	TO 98	18	18	4.0	.100A	.200W	100J	140.000G	500NA	18V	140	.002A
2N3856A	N S	GEC,SPR,SES,HUG	45	TO 98	30	30	4.0	.100A	.200W	100J	140.000G	500NA	18V	140	.002A
2N3857	P S	NSC	210	TO 5	45	45	30.0	.500A	.600W	200J	4.000G	5NA	40V	100	.001A
2N3858	N S	GEC,SPR,HUG	45	TO 98	30	30	4.0	.100A	.120W	100J	90.000G	500NA	18V	80	.002A
2N3858A	N S	GEC,SPR	45	TO 98	60	60	6.0	.100A	.120W	100J	90.000G	100NA	60V	80	.002A
2N3859	N S	GEC,SPR,HUG	45	TO 98	30	30	4.0	.100A	.120W	100J	90.000G	500NA	18V	140	.002A
2N3859A	N S	GEC,SPR,HUG	45	TO 98	60	60	6.0	.100A	.120W	100J	90.000G	100NA	60V	140	.002A
2N3860	N S	GEC,SPR,HUG	45	TO 98	30	30	4.0	.100A	.120W	100J	90.000G	500NA	18V	200	.002A
2N3862	N S	TEC	211	TO 18	50	20	4.5	.200A	.360W	300J	600.000G	50NA	20V	88	.010A
2N3863	N S	STC	605	TO 3	70	50	7.0	7.500A	117.000W	200C	.500G	1MA	50V	52	3.000A
2N3864	N S	STC,BEN	605	TO 3	110	90	7.0	7.500A	117.000W	200C	.500G	1MA	90V	52	3.000A
2N3865	N S	STC,BEN	605	TO 3	160	150	7.0	7.500A	117.000W	200C	.500G	1MA	150V	52	3.000A
2N3866		SEE RF POWER													
2N3867	P S	TEC,MOT	211	TO 5	45	40	4.0	3.000A	1.000W	200A	60.000G	1UA	40V	90	1.500A
2N3868	P S	TEC,MOT	211	TO 5	65	60	4.0	3.000A	1.000W	200A	60.000G	1UA	60V	68	1.500A
2N3877	N S	GEC,SPR,HUG	45	TO 98	70	70	4.0	.050A	.200W	100J	160.000G	500NA	70V	40	.002A
2N3877A	N S	GEC,SPR,HUG	45	TO 98	85	85	4.0	.050A	.200W	100J	160.000G	500NA	70V	40	.002A
2N3878	N S	RCA,TEC	605	TO 66	120	50	7.0	7.000A	35.000W	200J	40.000G	5MA	40V	100	.500A
2N3879	N S	RCA	605	TO 66	120	75	7.0	7.000A	35.000W	200J	40.000G	5MA	40V	40	4.000A
2N3883	P G	MOT	211	TO 5	25	15	3.0	.300A	.300W	100J	100.000G	100UA	15V	60	.200A
2N3900	N S	GEC,SPR,HUG	45	TO 98	18	18	5.0	.100A	.120W	100J	160.000G	100NA	18V	300	.002A
2N3900A	N S	GEC,SPR,HUG	45	TO 98	18	18	5.0	.100A	.120W	100J	160.000G	100NA	18V	300	.002A
2N3901	N S	GEC	45	TO 98	18	18	5.0	.100A	.120W	100J	200.000G	10NA	15V	450	.002A
2N3902	N S	GEL,BEN,MOT	605	TO 3	400	400	5.0	3.500A	100.000W	150J	4.000G	250UA	400V	53	1.000A
2N3903	N S	MOT	41	TO 92	60	40	6.0	.200A	.310W	135J	250.000G	50NA	40V	100	.010A
2N3904	N S	MOT	41	TO 92	60	40	6.0	.200A	.310W	135J	300.000G	50NA	40V	160	.010A
2N3905	P S	MOT	41	TO 92	40	40	5.0	.200A	.310W	135J	200.000G	50NA	40V	100	.010A
2N3906	P S	MOT	41	TO 92	40	40	5.0	.200A	.310W	135J	250.000G	50NA	40V	160	.010A
2N3910	P S	RAY,MOT,HUG	211	TO 46	60	50	50.0		.500W	200J	4.000G	1NA	50V	80	.001A
2N3911	P S	RAY,MOT,HUG	211	TO 46	60	40	40.0		.500W	200J	8.000G	1NA	40V	120	.001A
2N3912	P S	RAY,HUG,HUG	211	TO 46	60	30	30.0		.500W	200J	10.000G	1NA	30V	180	.001A
2N3913	P S	RAY,HUG	210	TO 18	60	50	50.0		.400W	200J	4.000G	1NA	50V	80	.001A
2N3914	P S	RAY,HUG	210	TO 18	60	40	40.0		.400W	200J	8.000G	1NA	40V	120	.001A
2N3915	P S	RAY,HUG	210	TO 18	60	30	30.0		.400W	200J	10.000G	1NA	30V	180	.001A
2N3916	N S	HUG	635	635B	150	150	5.0	.150A	5.000W	150J	50.000G	1MA	250V	90	.150A
2N3917	N S	HUG	605	TO 3	80	40	6.0		20.000W	150J	50.000G	100UA	30V	60	1.000A
2N3918	N S	HUG	605	TO 3	80	40	6.0	2.000A	20.000W	150J	50.000G	1MA	80V	175	1.000A
2N3919	N S	HUG	605	TO 3	120	60	6.0		15.000W	150J	80.000G	10UA	60V	85	2.000A
2N3920	N S	HUG	605	TO 3	120	60	6.0		15.000W	150J	80.000G	10UA	60V	210	2.000A
2N3923	N S	FSC	211	TO 5	150	150	6.0	.100A	.800W	200J	40.000G	10NA	100V	100	.025A
2N3924		SEE RF POWER SECTION													
2N3925		SEE RF POWER SECTION													
2N3926		SEE RF POWER SECTION													
2N3927		SEE RF POWER SECTION													
2N3928	N S	FSC	211	TO 5	80	40	4.0	3.000A	5.000W	175C	200.000G	1MA	80V	95	1.500A
2N3929	N S	BEN	561	TO 59	80	40	4.0	3.000A	2.000W	175C	200.000G	1MA	80V	95	1.500A
2N3930	P S	FSC	211	TO 39	180	180	6.0	.100A	.400W	200A	40.000G	10NA	100V	155	.010A
2N3931	P S	FSC	211	TO 39	180	180	6.0	.100A	.700W	200A	40.000G	10NA	100V	155	.010A
2N3932	N S	RCA	217	TO104	30	20	2.5		.200W	200J	750.000G	10NA	15V	78	.002A
2N3933	N S	RCA	217	TO104	40	30	2.5		.200W	200J	750.000G	10NA	15V	110	.002A
2N3945	N S	NSC,HUG	211	TO 5	70	50	8.0	1.000A	5.000W	200J	60.000G	40NA	60V	82	.150A
2N3946	N S	MOT	211	TO 18	60	40	6.0	.200A	.360W	200J	250.000G	10NA	40V	80	.010A
2N3947	N S	MOT	211	TO 18	60	40	6.0	.200A	.360W	200J	300.000G	10NA	40V	160	.010A
2N3948		SEE RF POWER SECTION													
2N3959	N S	MOT	210	TO 18	20	12	4.5		.400W	200J	1000.000G	5NA	10V	90	.010A
2N3960	N S	MOT	210	TO 18	20	12	4.5		.400W	200J	1200.000G	5NA	10V	90	.010A
2N3961		SEE RF POWER SECTION													
2N3962	P S	FSC,TII,ITT,NSC,IMH,HUG	211	TO 18	60	60	6.0	.200A	.360W	200J	40.000G	10NA	50V	260	.001A
2N3963	P S	FSC,TII,ITT,NSC,IMH,HUG	211	TO 18	80	80	6.0	.200A	.360W	200J	40.000G	10NA	70V	260	.001A
2N3964	P S	FSC,TII,ITT,NSC,IMH,HUG	211	TO 18	45	45	6.0	.200A	.360W	200J	50.000G	10NA	40V	330	.001A
2N3965	P S	FSC,TII,ITT,NSC,HUG	211	TO 18	60	60	6.0	.200A	.360W	200J	50.000G	10NA	50V	330	.001A
2N3973	N S	GEC,SPR,HUG	45	TO 98	60	30	5.0	.400A	.360W	150J	200.000G	500NA	40V	60	.150A
2N3974	N S	GEC,SPR,HUG	45	TO 98	60	30	5.0	.400A	.360W	150J	200.000G	500NA	40V	100	.150A
2N3975	N S	GEC,SPR,HUG	45	TO 98	60	30	5.0	.400A	.360W	150J	200.000G	500NA	40V	60	.150A
2N3976	N S	GEC,SPR,HUG	45	TO 98	60	30	5.0	.400A	.360W	150J	200.000G	500NA	40V	100	.150A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cn}	V_{cs}	V_{sn}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cn} @	V_{cn}	Gain h_{fe} @	I_c
2N3977	P	S	SPR,NSC,MOT	210	TO 46	15	10	15.0	.100A	.400W	200J	1.000G	1NA	15V	80	.005A
2N3978	P	S	SPR,NSC,MOT,HUG	210	TO 46	25	20	25.0	.100A	.400W	200J	1.000G	1NA	25V	60	.005A
2N3979	P	S	SPR,NSC,HUG	210	TO 46	40	35	40.0	.100A	.400W	200J	1.000G	1NA	40V	40	.005A
2N3995	P	G	TII	211	TO 39	20	12	.5	.100A	.300W	100J	600.000G	3UA	6V	240	.025A
2N3996	N	S	TII,TEC,BEN	568	TO111	100	80	8.0	5.000A	30.000W	200J	40.000G	5UA	90V	70	1.000A
2N3997	N	S	TII,TEC,BEN	568	TO111	100	80	8.0	5.000A	30.000W	200J	40.000G	5UA	90V	140	1.000A
2N3998	N	S	TII,TEC,BEN	581	TO111	100	80	8.0	5.000A	30.000W	200J	40.000G	5UA	90V	70	1.000A
2N3999	N	S	TII,TEC,BEN	581	TO111	100	80	8.0	5.000A	30.000W	200J	40.000G	5UA	90V	140	1.000A
2N4000	N	S	TII,BEN,TEC,HUG	211	TO 5	100	80	8.0	1.000A	1.000W	200J	40.000G	10UA	60V	40	.500A
2N4001	N	S	TII,TEC,HUG	211	TO 5	120	100	8.0	1.000A	1.000W	200J	40.000G	10UA	80V	70	.500A
2N4002	N	S	TII,TEC,BEN,FSC	561	TO 63	100	80	8.0	30.000A	100.000W	200J	30.000G	1MA	90V	40	15.000A
2N4003	N	S	TII,TEC,BEN,FSC	561	TO 63	120	100	8.0	30.000A	100.000W	200J	30.000G	1MA	110V	40	15.000A
2N4004	N	S	TII	913	913A	100	80	8.0	20.000A	40.000W	200J	30.000G	2MA	40V	68	10.000A
2N4005	N	S	TII	913	913A	120	100	8.0	20.000A	40.000W	200J	30.000G	2MA	50V	68	10.000A
2N4006	P	S	TEC,MOT	211	TO 46	10	6	10.0	.100A	.400W	200J	20.000G	1NA	10V	60	.001A
2N4007	P	S	TEC,MOT	211	TO 46	20	15	20.0	.100A	.400W	200J	15.000G	1NA	20V	45	.001A
2N4008	P	S	TEC,MOT	211	TO 46	35	35	30.0	.100A	.400W	200J	15.000G	3NA	45V	30	.001A
2N4012			SEE RF POWER SECTION													
2N4013	N	S	TEC,HUG,ITT	211	TO 18	50	30	6.0	1.000A	.360W	200J	300.000G	2UA	40V	90	.100A
2N4014	N	S	TEC,HUG,ITT	211	TO 18	80	50	6.0	1.000A	.360W	200J	300.000G	2UA	60V	90	.100A
2N4026	P	S	FSC	211	TO 18	60	60	5.0	1.000A	.500W	200J	100.000G	50NA	50V	70	.100A
2N4027	P	S	FSC	211	TO 18	80	80	5.0	1.000A	.500W	200J	100.000G	50NA	60V	70	.100A
2N4028	P	S	FSC	211	TO 18	60	60	5.0	1.000A	.500W	200J	150.000G	50NA	50V	175	.100A
2N4029	P	S	FSC	211	TO 18	80	80	5.0	1.000A	.500W	200J	150.000G	50NA	60V	175	.100A
2N4030	P	S	TII,RAY,FSC,IMH	211	TO 5	60	60	5.0	1.000A	.800W	200J	100.000G	50NA	50V	70	.100A
2N4031	P	S	TII,FSC,IMH	211	TO 5	80	80	5.0	1.000A	.800W	200J	100.000G	50NA	60V	175	.100A
2N4032	P	S	TII,RAY,FSC,IMH	211	TO 5	60	60	5.0	1.000A	.800W	200J	150.000G	50NA	50V	70	.100A
2N4033	P	S	TII,FSC,IMH	211	TO 5	80	80	5.0	1.000A	.800W	200J	150.000G	50NA	60V	175	.100A
2N4034	P	S	FSC,ITT,HUG	211	TO 18	40	40	5.0	.100A	.360W	200J	400.000G	15NA	30V	150	.010A
2N4035	P	S	FSC	211	TO 18	40	40	5.0	.100A	.360W	200J	450.000G	15NA	30V	200	.010A
2N4036	P	S	RCA	210	TO 5	90	65	7.0	1.000A	1.000W	200J	60.000G	2NA	60V	76	.150A
2N4037	P	S	RCA	210	TO 5	60	40	7.0	1.000A	1.000W	200J	60.000G	2NA	60V	112	.150A
2N4040			SEE RF POWER SECTION													
2N4041			SEE RF POWER SECTION													
2N4046	N	S	FSC,ITT,RAY,TEC,IMH	211	TO 5	50	30	6.0	.500A	.800W	200J	250.000G	2UA	40V	90	.100A
2N4047	N	S	FSC,ITT,RAY,TEC,IMH	211	TO 5	80	50	6.0	.500A	.800W	200J	250.000G	2UA	60V	90	.100A
2N4048	P	G	MOT,SOL	403	TO 68	45	30	25.0	60.000A	170.000W	110J	.002E	4MA	45V	90	15.000A
2N4049	P	G	MOT,SOL	403	TO 68	60	45	30.0	60.000A	170.000W	110J	.002E	4MA	60V	90	15.000A
2N4050	P	G	MOT,SOL	403	TO 68	75	60	40.0	60.000A	170.000W	110J	.002E	4MA	75V	90	15.000A
2N4051	P	G	MOT,SOL	403	TO 68	45	30	25.0	60.000A	170.000W	110J	.002E	4MA	45V	124	15.000A
2N4052	P	G	MOT,SOL	403	TO 68	60	45	30.0	60.000A	170.000W	110J	.002E	4MA	60V	124	15.000A
2N4053	P	G	MOT,SOL	403	TO 68	75	60	40.0	60.000A	170.000W	110J	.002E	4MA	75V	124	15.000A
2N4054	-N	S	GEC	52	52A	300	300	7.0	.100A	4.000W	150J	25.000G	100UA	300V	52	.050A
2N4055	-N	S	GEC	52	52A	250	250	7.0	.100A	4.000W	150J	25.000G	100UA	250V	52	.050A
2N4056	-N	S	GEC	52	52A	200	200	7.0	.100A	4.000W	150J	25.000G	100UA	200V	52	.050A
2N4057	-N	S	GEC	52	52A	150	150	7.0	.100A	4.000W	150J	25.000G	100UA	150V	52	.050A
2N4058	P	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125A	.100G	100NA	20V	200	
2N4059	P	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125A	.045G	100NA	20V	210	.001A
2N4060	P	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125A	.045G	100NA	20V	90	.001A
2N4061	P	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125A	.090G	100NA	20V	170	.001A
2N4062	P	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125A	.180G	100NA	20V	350	.001A
2N4063	N	S	RCA	635	635B	450	350	7.0	1.000A	10.000W	200J	8.000G	20UA	300V	80	.020A
2N4064	N	S	RCA	635	635B	300	250	7.0	1.000A	10.000W	200J	8.000G	50UA	200V	80	.020A
2N4068	N	S	RCA	211	211L	150		5.0	.200A	.500W	175J	50.000G	50NA	120V	70	.030A
2N4069	N	S	RCA	211	211M	150		5.0	.200A	1.000W	175J	50.000G	50NA	120V	70	.030A
2N4070	N	S	SOL,BEN,HUG	605	TO 3	120	100	8.0	10.000A	65.000W	200J	60.000G	100NA	60V	70	5.000A
2N4071	N	S	SOL,HUG	605	TO 3	200	150	8.0	10.000A	65.000W	200J	60.000G	100NA	100V	70	5.000A
2N4072	N	S	MOT	211	TO 18	40	20	4.0	.100A	.350W	200J	275.000G	100NA	15V	10	.025A
2N4073	N	S	MOT	211	TO 5	40	20	4.0	.150A	1.500W	200J	275.000G	100NA	15V	10	.025A
2N4074	N	S	RCA	211	211L		40	8.0	.300A	.400W	175J	50.000G	10NA	25V	150	.010A
2N4075	N	S	FSC	560	TO 59	100	80	5.0	3.000A	30.000W	200J	30.000G	100NA	60V	55	1.000A
2N4076	N	S	FSC	560	TO 59	100	80	5.0	3.000A	30.000W	200J	30.000G	100NA	60V	80	1.000A
2N4077	N	G	AMP	605	605A	32			1.000A	7.500W		1.000G			185	.500A
2N4078	P	G	AMP	605	605A	32			1.000A	7.500W		1.000G			185	.500A
2N4080	P	S	RAY,HUG	217	TO 72	20	15	3.0		.200W	200J	1000.000G	10NA	15V	40	.003A
2N4081	-N	S	RCA	218	TO104	40	40	3.0		.200W	200J	600.000G	20NA	10V	86	.002A
2N4104	N	S	TII,GIC	211	TO 5	60	60	1.0	.050A	.300W	175J	90.000G	10NA	45V	600	.001A
2N4106	P	G	AMP	120	TO 1	25			1.000A	1.600W		1.500G			300	.500A
2N4111	N	S	BEN	605	TO 3	100	60	8.0		30.000W	150J	70.000G	50UA	30V	64	2.000A
2N4112	N	S	BEN	605	TO 3	100	60	8.0		30.000W	150J	80.000G	50UA	40V	140	2.000A
2N4113	N	S	BEN	605	TO 3	120	80	8.0		30.000W	150J	70.000G	50UA	30V	64	2.000A
2N4114	N	S	BEN	605	TO 3	120	80	8.0		30.000W	150J	80.000G	50UA	40V	140	2.000A
2N4115	N	S	FSC	560	TO 59	120	80	8.0		37.000W	200J	70.000G	10UA	60V	64	2.000A
2N4116	N	S	FSC	560	TO 59	120	80	8.0		37.000W	200J	80.000G	10UA	60V	140	2.000A
2N4121	P	S	FSC,TEC,HUG	170	170F	40	40	5.0	.100A	.200W	125J	400.000G	25NA	30V	150	.010A
2N4122	P	S	TEC,HUG	170	170F	40	40	5.0	.100A	.200W	125J	450.000G	25NA	30V	200	.010A
2N4123	N	S	MOT	41	TO 92	40	30	5.0	.200A	.310W	135J	250.000G	50NA	20V	80	.002A
2N4124	N	S	MOT	41	TO 92	30	25	5.0	.200A	.310W	135J	300.000G	50NA	20V	200	.002A
2N4125	P	S	MOT	41	TO 92	30	30	4.0	.200A	.310W	135J	200.000G	50NA	20V	80	.002A
2N4126	P	S	MOT	41	TO 92	25	25	4.0	.200A	.310W	135J	250.000G	50NA	20V	200	.002A
2N4127			SEE RF POWER SECTION													
2N4128			SEE RF POWER SECTION													
2N4130	N	S	IMH	603	TO 3	90	80	4.0	12.000A	120.000W	175J	200.000G	10UA	80V	26	2.000A
2N4131	-N	S	ITT	603	TO 3	90	80	4.0	5.000A	60.000W	175J	150.000G	10UA	80V	30	1.000A
2N4132	-N	S	ITT	632	TO 37	90	80	5.0	.600A	7.500W	175J	250.000G	10UA	80V	30	.200A
2N4133	-N	S	ITT	631	TO 5	90	80	5.0	.600A	3.000W	175J	250.000G	10UA	80V	30	.200A
2N4134	N	S	FSC	217	TO 72	30	30	3.0		.200W	200J	350.000G	50NA	10V	80	.004A
2N4135	N	S	FSC	217	TO 72	30	30	3.0		.200W	200J	425.000G	50NA	10V	80	.004A
2N4137	N	S	FSC,RAY	210	TO 18	40	20	4.5	.200A	.360W	200J	500.000G	400NA	20V	66	.010A
2N4138	N	S	TII	211	TO 46	30	30	15.0		.300W	175C	20.000G	10NA	25V	100	.001A
2N4140	N	S	GIC,NSC,HUG	173	TO106	60	30	5.0	.200A	.300W	125J	250.000G	50NA	40V	70	.150A
2N4141	N	S	GIC,NSC,HUG	173	TO106	60	30	5.0	.200A	.300W	125J	250.000G	50NA	40V	175	.150A
2N4142	P	S	GIC,NSC,HUG	173	TO106	60	40	5.0	.200A	.300W	125J	200.000G	50NA	30V	70	.150A
2N4143	P	S	GIC,NSC,HUG	173	TO106	60	40	5.0	.200A	.300W	125J	200.000G	50NA	30V	175	.150A
2N4150	N	S	SOL,BEN,HUG	211	TO 5	100	80	5.0	10.000A	5.000W	200J	15.000G	100NA	60V	70	5.000A
2N4207	P	S	FSC	211	TO 18	6	6	4.5	.050A	.350W	200J	650.000G	10NA	3V	80	.010A
2N4208	P	S	FSC	211	TO 18	12	12	4.5	.050A	.350W	200J	700.000G	10NA	6V	60	.010A
2N4209	P	S	FSC	211	TO 18	15	15	4.5	.050A	.350W	200J	850.000G	10NA	8V	80	.010A
2N4210	N	S	TEC,HUG	561	TO 63	80	60	10.0	20.000A	100.000W	200J	10.000G	500UA	80V	45	10.000A
2N4211	N	S	TEC,HUG	561	TO 63	100	80	10.0	20.000A	100.000W	200J	10.000G	500UA	100V	45	10.000A
2N4225	N	S	BEN	211	TO 5	80	40	6.0	3.000A	5.000W	175J	150.000G	100NA	30V	50	2.000A
2N4226	N	S	BEN	211	TO 5	100	60	6.0	3.000A	5.000W	175J	150.000G	100NA	30V	40	2.000A
2N4227	N	S	GIC,NSC,HUG	173	TO106	60	30	5.0	.200A	.300W	125J	250.000G	50NA	40V	113	.150A
2N4228	P	S	NSC,NSC,HUG	173	TO106	60	40	5.0	.200A	.300W	125J	200.000G	50NA	30V	113	.150A
2N4231	N	S	MOT	605	TO 66	50	40	5.0	5.000A	35.000W	200J	4.000G	50UA	50V	50	1.500A
2N4232	N	S	MOT	605	TO 66	70	60	5.0	5.000A	35.000W	200J	4.000G	50UA	70V	50	1.500A
2N4233	N	S	MOT	605	TO 66	90	80	5.0	5.000A	35.000W	200J	4.000G	50UA	90V	50	1.500A
2N4234	P	S	MOT,TEC	211	TO 5	40	40	7.0	3.000A	1.000W	200J	3.000G	100UA	40V	66	.250A
2N4235	P	S	MOT,TEC	211	TO 5	60	60	7.0	3.000A	1.000W	200J	3.000G	100UA	60V	66	.250A

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N4236	P	S	MOT,TEC,FSC	211	TO 5	80	80	7.0	3.000A	1.000W	200J	3.000G	100UA	80V	66	.250A
2N4237	N	S	FSC,TEC,BEN,MOT,HUG	211	TO 5	50	40	6.0	1.000A	.800W	200J	1.000G	100UA	50V	68	.250A
2N4238	N	S	FSC,TEC,BEN,MOT,HUG	211	TO 5	80	60	6.0	1.000A	.800W	200J	1.000G	100UA	80V	68	.250A
2N4239	N	S	FSC,TEC,BEN,MOT,HUG	211	TO 5	100	80	6.0	1.000A	.800W	200J	1.000G	100UA	100V	68	.250A
2N4240	N	S	RCA	605	TO 66	500	300	6.0	2.000A	35.000W	200J	15.000G	5MA	150V	70	.750A
2N4241	P	G	AMP,BEN	605	TO 3	32	20	20.0	5.000A	37.500W	100C	.005E	45UA	1V	132	.300A
2N4242	P	G	SOL,HUG	605	TO 3	80	70S	40.0	10.000A	106.000W	110J	.300G	2MA	80V	60	5.000A
2N4243	P	G	SOL,HUG	605	TO 3	60	55S	30.0	10.000A	106.000W	110J	.300G	2MA	60V	60	5.000A
2N4244	P	G	SOL,HUG	605	TO 3	40	40S	20.0	10.000A	106.000W	110J	.300G	2MA	40V	60	5.000A
2N4245	P	G	SOL,HUG	605	TO 3	80	70S	40.0	10.000A	106.000W	110J	.300G	2MA	80V	90	5.000A
2N4246	P	G	SOL,HUG	605	TO 3	60	55S	30.0	10.000A	106.000W	110J	.300G	2MA	60V	90	5.000A
2N4247	P	G	SOL,HUG	605	TO 3	40	40S	20.0	10.000A	106.000W	110J	.300G	2MA	40V	90	5.000A
2N4248	P	S	FSC,NSC,GIC	170	170F	40	40	5.0		.200W	125J	40.000G	10NA	40V	120	.010A
2N4249	P	S	FSC,NSC,GIC	170	170F	60	60	5.0		.200W	125J	40.000G	10NA	40V	280	.010A
2N4250	P	S	FSC,NSC,GIC,HUG	170	170F	40	40	5.0		.200W	125J	50.000G	10NA	40V	350	.010A
2N4251	N	S	FSC	211	TO 46	15	10	4.5		.250W	200J	1300.000G	1UA	10V	180	.010A
2N4252	N	S	TII	217	TO 72	30	18	4.0	.050A	.200W	175A	600.000G	50NA	15V	100	.002A
2N4253	N	S	TII	217	TO 72	30	18	4.0	.050A	.200W	175A	600.000G	50NA	15V	68	.002A
2N4254	N	S	TII	43	TO 92	30	18	4.0	.050A	.200W	125A	600.000G	100NA	15V	100	.002A
2N4255	N	S	TII	43	TO 92	30	18	4.0	.050A	.200W	125A	600.000G	100NA	15V	68	.002A
2N4256	N	S	GEC	45	TO 98	30	30S	5.0	.100A	.200W	100J	100.000G	1NA	30V	220	.002A
2N4257	P	S	FSC	173	TO106	6	6	4.5	.050A	.200W	125J	500.000G	10NA	3V	60	.010A
2N4258	P	S	FSC	173	TO106	12	12	4.5	.050A	.200W	125J	700.000G	10NA	6V	60	.010A
2N4259	N	S	RCA	217	TO104	40	30	2.5		.175W	175J	1000.000G	10NA	15V	122	.002A
2N4260	P	S	MOT	217	TO 72	15	15	4.5	.030A	.200W	200J	1200.000G	5NA	10V	68	.010A
2N4261	P	S	MOT	217	TO 72	15	15	4.5	.030A	.200W	200J	1500.000G	5NA	10V	68	.010A
2N4264	N	S	MOT	41	TO 92	30	15	6.0	.200A	.310W	135J	300.000G	100NA	12V	80	.010A
2N4265	N	S	MOT	41	TO 92	30	12	6.0	.200A	.310W	135J	300.000G	100NA	12V	200	.010A
2N4269	N	S	TEC,HUG	211	TO 18	200	140	15.0	.030A	.360W	200**	AUD	1UA	150V	90	.010A
2N4270	N	S	TEC,HUG	210	TO 5	200	140	15.0	.030A	.400W	200J	AUD	1UA	150V	90	.010A
2N4271	N	S	TEC,HUG	211	TO 5	175	140	8.0	1.000A	5.000W	175C	20.000G	50NA	30V	55	.200A
2N4272	N	S	TEC,HUG	211	TO 5	175	140	9.0	2.500A	5.000W	175C	10.000G	100NA	50V	55	1.000A
2N4273	N	S	TEC,HUG	605	TO 66	175	140	9.0	2.500A	25.000W	175C	10.000G	100NA	50V	5	1.000A
2N4274	P	S	FSC,NSC,TEC,HUG	170	170F	30	15	4.5	.100A	.280W	125J	400.000G	10UA	20V	66	.010A
2N4275	N	S	FSC,NSC,TEC,HUG	170	170F	40	12	4.5	.100A	.280W	125J	400.000G	10UA	20V	66	.010A
2N4276	P	G	MOT	605	TO 3	30	20	20.0	60.000A	170.000W	110J	.002E	4MA	30V	90	15.000A
2N4277	P	G	MOT	605	TO 3	30	20	20.0	60.000A	170.000W	110J	.002E	4MA	30V	124	15.000A
2N4278	P	G	MOT	605	TO 3	45	30	25.0	60.000A	170.000W	110J	.002E	4MA	45V	90	15.000A
2N4279	P	G	MOT	605	TO 3	45	30	25.0	60.000A	170.000W	110J	.002E	4MA	45V	124	15.000A
2N4280	P	G	MOT	605	TO 3	60	45	30.0	60.000A	170.000W	110J	.002E	4MA	60V	90	15.000A
2N4281	P	G	MOT	605	TO 3	60	45	30.0	60.000A	170.000W	110J	.002E	4MA	60V	124	15.000A
2N4282	P	G	MOT	605	TO 3	75	60	40.0	60.000A	170.000W	110J	.002E	4MA	75V	90	15.000A
2N4283	P	G	MOT	605	TO 3	75	60	40.0	60.000A	170.000W	110J	.002E	4MA	75V	124	15.000A
2N4284	P	S	NSC	51	51A	25	25	25.0	.050A	.250W	150J	7.000G	100NA	10V	73	.001A
2N4285	P	S	NSC	51	51A	35	35	35.0	.050A	.250W	150J	7.000G	10NA	10V	73	.001A
2N4286	N	S	NSC	51	51A	30	25	6.0	.100A	.250W	150J	40.000G	50NA	25V	300	.001A
2N4287	N	S	NSC	51	51A	45	45	7.0	.100A	.250W	150J	40.000G	10NA	30V	300	.001A
2N4288	P	S	NSC	51	51A	30	25	6.0	.100A	.250W	150J	40.000G	50NA	25V	300	.001A
2N4289	P	S	NSC	51	51A	60	45	7.0	.100A	.250W	150J	40.000G	10NA	45V	300	.001A
2N4290	P	S	NSC	51	51A	30	20	5.0	.600A	.250W	150J	100.000G	500NA	20V	125	.100A
2N4291	P	S	NSC	51	51A	40	30	6.0	.600A	.250W	150J	100.000G	200NA	30V	175	.100A
2N4292	N	S	NSC	51	51A	30	15	3.0	.050A	.200W	150J	600.000G	500NA	15V	30	.003A
2N4293	N	S	NSC	51	51A	30	15	3.0	.050A	.200W	150J	600.000G	500NA	15V	30	.003A
2N4294	N	S	NSC	51	51A	30	12	4.5	.200A	.200W	150J	400.000G	400NA	20V	60	.010A
2N4295	N	S	NSC	51	51A	40	15	5.0		.200W	150J	500.000G	100NA	20V	70	.010A
2N4296	N	S	RCA	605	TO 66	350	250	4.0	1.000A	20.000W	175J	20.000G	100UA	350V	80	.050A
2N4297	N	S	RCA	605	TO 66	350	250	4.0	1.000A	20.000W	175J	20.000G	100UA	350V	100	.050A
2N4298	N	S	RCA	605	TO 66	500	350	4.0	1.000A	20.000W	175J	20.000G	100UA	500V	30	.050A
2N4299	N	S	RCA	605	TO 66	500	350	4.0	1.000A	20.000W	175J	20.000G	100UA	500V	80	.050A
2N4300	N	S	TII,BEN,TEC,FSC,HUG	211	TO 5	100	80	8.0	2.000A	15.000W	200J	30.000G	1UA	40V	60	1.000A
2N4301	N	S	TII,TEC,BEN,FSC	561	TO 61	100	80	8.0	10.000A	50.000W	200J	40.000G	10UA	40V	60	5.000A
2N4305	N	S	TRW,HUG	211	TO 5	120	80	6.0	5.000A	1.500W	200J	100.000G	10UA	120V	88	1.000A
2N4306	N	S	TRW	905	905A	120	80	6.0	5.000A	30.000W	200J	100.000G	10UA	120V	88	1.000A
2N4307	N	S	TRW,HUG	211	TO 5	100	60	6.0	5.000A	.500W	200J	100.000G	10UA	100V	88	1.000A
2N4308	N	S	TRW	905	905A	100	60	6.0	5.000A	30.000W	200J	100.000G	10UA	100V	88	1.000A
2N4309	N	S	TRW,HUG	211	TO 5	120	80	6.0	5.000A	.500W	200J	100.000G	10UA	120V	88	1.000A
2N4310	N	S	TRW	905	905A	120	80	6.0	5.000A	30.000W	200J	100.000G	10UA	120V	70	1.000A
2N4311	N	S	TRW,HUG	211	TO 5	100	60	6.0	5.000A	1.500W	200J	100.000G	10UA	100V	70	1.000A
2N4312	N	S	TRW	905	905A	100	60	6.0	5.000A	30.000W	200J	100.000G	10UA	100V	70	1.000A
2N4313	P	S	FSC	173	TO106	12	12	4.5	.100A	.200W	125J	700.000G	50NA	10V	55	.100A
2N4314	P	S	RCA	211	TO 5	90	65	7.0	1.000A	1.000W	200J	60.000G	250NA	60V	112	.150A
2N4346	P	G	RCA	605	TO 3	320		2.0	10.000A	5.000W	85J	HORAMP	200UA	15V	25	6.000A
2N4347	N	S	RCA	605	TO 3	140	120	7.0	5.000A	10.000W	200J	AUD	2MA	120V	38	2.000A
2N4348	N	S	RCA,MOT	605	TO 3	140	120	7.0	10.000A	120.000W	200J	AUD	2MA	120V	30	5.000A
2N4350			SEE RF POWER SECTION													
2N4354	P	S	FSC	173	173A	60	60	5.0	.500A	.350W	125J	100.000G	50NA	50V	175	.010A
2N4355	P	S	FSC	173	173A	60	60	5.0	.500A	.350W	125J	100.000G	50NA	50V	200	.010A
2N4356	P	S	FSC	173	173A	80	80	5.0	.500A	.350W	125J	100.000G	50NA	50V	112	.010A
2N4357	P	S	FSC	211	TO 18	240	240	6.0	.100A	.400W	200J	40.000G	20NA	200V	155	.010A
2N4358	P	S	FSC	211	TO 39	240	240	6.0	.100A	.700W	200J	40.000G	20NA	200V	155	.010A
2N4359	P	S	FSC,HUG	211	TO 18	45	45	5.0	.050A	.360W	200J	20.000G	10NA	25V	200	.001A
2N4383	N	S	SPR,HUG	210	TO 5	40	30	5.0	.800A	.800W		30.000G	10NA	30V	350	.010A
2N4384	N	S	SPR,HUG	210	TO 18	40	30	5.0	.800A	.500W		30.000G	10NA		350	.010A
2N4385	N	S	SPR,HUG	210	TO 5	40	30	5.0	.800A	.800W		30.000G	10NA		250	.010A
2N4386	N	S	SPR,HUG	210	TO 18	40	30	5.0	.800A	.500W		30.000G	10NA	30V	250	.010A
2N4387	P	S	TEC,HUG	605	TO 66	40	40	5.0	2.000A	20.000W	200J	25.000G	10UA	40V	50	.500A
2N4388	P	S	TEC,HUG	605	TO 66	60	60	5.0	.100A	20.000W	200J	25.000G	10UA	60V	50	.500A
2N4389	P	S	FSC	173	TO106	12	12	4.0	.100A	.200W	125J	400.000G	100NA	6V	75	.010A
2N4390	N	S	RCA	211	TO104	120	120	6.0		.500W	175J	50.000G	1UA	70V	40	.020A
2N4397	N	S	RCA	218	TO104	40	40	3.0		.200W	200J	600.000G	20NA	10V	86	.002A
2N4398	P	S	MOT,FSC	605	TO 3	40	40	5.0	30.000A	200.000W	200J	4.000G	1MA	40V	30	15.000A
2N4399	P	S	MOT	605	TO 3	60	60	5.0	30.000A	200.000W	200J	4.000G	1MA	60V	30	15.000A
2N4400	N	S	MOT	41	TO 92	60	40	6.0	.600A	.310W	135J	200.000G	100NA	35V	88	.150A
2N4401	N	S	MOT	41	TO 92	60	40	6.0	.600A	.310W	135J	250.000G	100NA	35V	176	.150A
2N4402	P	S	MOT	41	TO 92	40	40	5.0	.600A	.310W	135J	150.000G	100NA	35V	88	.150A
2N4403	P	S	MOT	41	TO 92	40	40	5.0	.600A	.310W	135J	200.000G	100NA	35V	88	.150A
2N4404	P	S	MOT	210	TO 39	80	80	5.0	1.000A	1.250W	200J	200.000G	25NA	60V	70	.150A
2N4405	P	S	MOT	210	TO 39	80	80	5.0	1.000A	1.250W	200J	200.000G	25NA	60V	175	.150A
2N4406	P	S	MOT	210	TO 39	80	80	5.0	2.000A	1.250W	200J	150.000G	25NA	60V	50	.150A
2N4407	P	S	MOT	210	TO 39	80	80	5.0	2.000A	1.250W	200J	150.000G	25NA	60V	131	.150A
2N4409	N	S	MOT	41	TO 92	80	50	5.0	.250A	.310W	135J	60.000G	10NA	60V	160	.010A
2N4410	N	S	MOT	41	TO 92	120	80	5.0	.250A	.310W	135J	60.000G	10NA	100V	160	.010A
2N4411	P	S	MOT	217	TO 72	15	12	5.0	.025A	.150W	200J	400.000G	5NA	6V	80	.001A
2N4412	P	S	SPR,HUG	210	TO 5	40	30	5.0	.600A	.600W	200J	20.000G	10NA	30V	300	.001A
2N4412A	P	S	SPR,HUG	210	TO 5	60	60	5.0	.600A	.600W	200J	20.000G	10NA	30V	300	.001A
2N4413	P	S	SPR,HUG	210	TO 18	40	30	5.0	.600A	.400W	200J	20.000G	10NA	30V	300	.001A
2N4413A	P	S	SPR,HUG	210	TO 18	60	60	5.0	.600A	.400W	200J	20.000G	10NA	30V	300	.001A
2N4414	P	S	SPR,HUG	210	TO 5	40	30	5.0	.600A	.600W	200J	20.000G	10NA	30V	200	.001A
2N4414A	P	S	SPR,HUG	210	TO 5	60	60	5.0	.600A	.600W	200J	20.000G	10NA	30V	200	.001A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.J.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N4415	P	S	SPR,HUG	210	TO 18	40	30	5.0	.600A	.400W	200J	20.000G	10NA	30V	200	.001A
2N4415A	P	S	SPR,HUG	210	TO 18	60	60	5.0	.600A	.400W	200J	20.000G	10NA	30V	200	.001A
2N4418	N	S	TII	168	168A	40	15	4.5	.200A	.250W	125J	500.000G	400NA	20V	70	.010A
2N4419	N	S	TII	168	168A	30	12	4.5	.200A	.250W	125J	400.000G	400NA	20V	60	.010A
2N4420	N	S	TII	168	168A	40	20	5.0	.200A	.250W	125J	350.000G	500NA	20V	60	.030A
2N4421	N	S	TII	168	168A	30	12	5.0	.200A	.250W	125J	300.000G	500NA	20V	50	.030A
2N4422	N	S	TII	168	168A	40	15	5.0	.200A	.250W	125J	350.000G	500NA	20V	60	.030A
2N4423	P	S	TII	168	168A	12	12	4.0	.200A	.250W	125J	400.000G	80NA	6V	78	.030A
2N4424	N	S	SPR,GEC,HUG	45	TO 98	40	40	5.0	.500A	.360W	150J		100NA	40V	312	.002A
2N4425	N	S	SPR,GEC,HUG	45	45B	40	40	5.0	.500A	.560W	150J		100NA	40V	312	.002A
2N4427			SEE RF POWER SECTION													
2N4428			SEE RF POWER SECTION													
2N4429			SEE RF POWER SECTION													
2N4430			SEE RF POWER SECTION													
2N4431			SEE RF POWER SECTION													
2N4433	N	S	AMP	218	TO 72		50		.030A	.165W		200.000G			8	
2N4436	N	S	FSC	173	TO106	60	30	5.0	.500A	.200W	125J	250.000G	50NA	50V	70	.150A
2N4437	N	S	FSC	173	TO106	60	30	5.0	.500A	.200W	125J	250.000G	50NA	50V	125	.150A
2N4438	N	S	FSC	211	TO 39	300	300	8.0	.200A	1.000W	200J	30.000G	1UA	200V	160	.050A
2N4439	N	S	FSC	211	TO 39	300	300	8.0	.200A	1.000W	200J	30.000G	1UA	200V	70	.050A
2N4440			SEE RF POWER SECTION													
2N4862	N	S	SOL,HUG	211	TO 46	140	120	8.0	2.000A	4.000W	200J	50.000G	100NA	60V	88	.500A
2N4863	N	S	SOL,HUG	211	TO 5	140	120	8.0	2.000A	4.000W	200J	50.000G	100NA	60V	88	.500A
2N4864	N	S	SOL,TEC,HUG	605	TO 66	140	120	8.0	2.000A	16.600W	200J	50.000G	100NA	60V	88	.500A
2N4865	N	S	SOL,TEC,HUG	561	TO114	100	80	8.0	90.000A	200.000W	200J		1UA	60V	20	70.000A
2N4866	N	S	SOL,TEC,HUG	561	TO114	140	120	8.0	90.000A	200.000W	200J		1UA	60V	20	70.000A
2N4872	P	S	FSC	211	TO 18	12	12	4.5	.050A	.300W	200J	900.000G	10NA	6V	65	.010A
2N4873	N	S	FSC	211	TO 18	40	15	4.5	.200A	.360W	200J	700.000G	400NA	20V	120	.010A
2N4874			SEE RF POWER SECTION													
2N4875			SEE RF POWER SECTION													
2N4876			SEE RF POWER SECTION													
2N4877	N	S	MOT,FSC	211	TO 39	70	60	5.0	4.000A	10.000W	200J	4.000G	100UA	70V	45	4.000A
2N4888	P	S	FSC	173	173A	150	150	6.0		.300W	125J	30.000G	50NA	100V	45	.010A
2N4889	P	S	FSC	173	173A	150	150	6.0		.300W	125J	40.000G	10NA	100V	150	.010A
2N4890	P	S	MOT	210	TO 5	60	40	5.0	.700A	1.000W	200J	100.000G	250NA	60V	110	.150A
2N4895	N	S	FSC,BEN,HUG	211	TO 39	120	60	6.0	5.000A	.800W	200J	50.000G	1UA	60V	75	2.000A
2N4896	N	S	FSC,BEN,HUG	211	TO 39	120	60	6.0	5.000A	.800W	200J	80.000G	1UA	60V	150	2.000A
2N4897	N	S	FSC,BEN,HUG	211	TO 39	150	80	6.0	5.000A	.800W	200J	50.000G	1UA	100V	75	2.000A
2N4898	P	S	MOT,FSC	605	TO 66	40	40	5.0	4.000A	25.000W	200J	3.000G	100UA	40V	46	.500A
2N4899	P	S	MOT,FSC	605	TO 66	60	60	5.0	4.000A	25.000W	200J	3.000G	100UA	60V	46	.500A
2N4900	P	S	MOT,FSC	605	TO 66	80	80	5.0	4.000A	25.000W	200J	3.000G	100UA	80V	46	.500A
2N4901	P	S	MOT	605	TO 3	40	40	5.0	5.000A	87.500W	200J	4.000G	100UA	40V	40	1.000A
2N4902	P	S	MOT	605	TO 3	60	60	5.0	5.000A	87.500W	200J	4.000G	100UA	60V	40	1.000A
2N4903	P	S	MOT	605	TO 3	80	80	5.0	5.000A	87.500W	200J	4.000G	100UA	80V	40	1.000A
2N4904	P	S	MOT	605	TO 3	40	40	5.0	5.000A	87.500W	200J	4.000G	100UA	40V	50	2.500A
2N4905	P	S	MOT	605	TO 3	60	60	5.0	5.000A	87.500W	200J	4.000G	100UA	60V	50	2.500A
2N4906	P	S	MOT	605	TO 3	80	80	5.0	5.000A	87.500W	200J	4.000G	100UA	80V	50	2.500A
2N4907	P	S	MOT	605	TO 3	40	40	5.0	10.000A	150.000W	200J	4.000G	2MA	40V	40	4.000A
2N4908	P	S	MOT	605	TO 3	60	60	5.0	10.000A	150.000W	200J	4.000G	2MA	60V	40	4.000A
2N4909	P	S	MOT	605	TO 3	80	80	5.0	10.000A	150.000W	200J	4.000G	2MA	80V	40	4.000A
2N4910	N	S	MOT,FSC	605	TO 66	40	40	5.0	1.000A	25.000W	200J	3.000G	100UA	40V	46	.500A
2N4911	N	S	MOT,FSC	605	TO 66	60	60	5.0	1.000A	25.000W	200J	3.000G	100UA	60V	46	.500A
2N4912	N	S	MOT,FSC	605	TO 66	80	80	5.0	1.000A	25.000W	200J	3.000G	100UA	80V	46	.500A
2N4913	N	S	MOT,TII,FSC,HUG	605	TO 3	40	40	5.0	5.000A	87.500W	200J	4.000G	1MA	40V	50	2.500A
2N4914	N	S	MOT,TII,FSC,HUG	605	TO 3	60	60	5.0	5.000A	87.500W	200J	4.000G	1MA	60V	50	2.500A
2N4915	N	S	MOT,TII,FSC	605	TO 3	80	80	5.0	5.000A	87.500W	200J	4.000G	1MA	80V	50	2.500A
2N4916	P	S	FSC	173	TO106	30	30	5.0	.100A	.200W	125J	400.000G	25NA	15V	150	.010A
2N4917	P	S	FSC	173	TO106	30	30	5.0	.100A	.200W	125J	450.000G	25NA	15V	200	.010A
2N4918	P	S	MOT	48	48A	40	40	5.0	3.000A	30.000W	150J	3.000G	100UA	40V	46	.500A
2N4919	P	S	MOT	48	48A	60	60	5.0	3.000A	30.000W	150J	3.000G	100UA	60V	46	.500A
2N4920	P	S	MOT	48	48A	80	80	5.0	3.000A	30.000W	150J	3.000G	100UA	80V	46	.500A
2N4921	N	S	MOT	48	48A	40	40	5.0	3.000A	30.000W	150J	3.000G	100UA	40V	46	.500A
2N4922	N	S	MOT	48	48A	60	60	5.0	3.000A	30.000W	150J	3.000G	100UA	60V	46	.500A
2N4923	N	S	MOT	48	48A	80	80	5.0	3.000A	30.000W	150J	3.000G	100UA	80V	46	.500A
2N4924	N	S	MOT	211	TO 39	100	100	5.0	.200A	1.000W	200C	100.000G	100NA	50V	90	.150A
2N4925	N	S	MOT	211	TO 39	150	150	5.0	.200A	1.000W	200C	100.000G	100NA	75V	90	.150A
2N4926	N	S	MOT	211	TO 39	200	200	7.0	.050A	5.000W	200C	30.000G	100NA	100V	70	.030A
2N4927	N	S	MOT	211	TO 39	250	250	7.0	.050A	5.000W	200C	30.000G	100NA	150V	70	.030A
2N4928	P	S	MOT	211	TO 5	100	100	4.0	.100A	.600W	200C	100.000G	500NA	50V	75	.010A
2N4929	P	S	MOT	211	TO 5	150	150	4.0	.500A	1.000W	200C	100.000G	500NA	75V	75	.010A
2N4930	P	S	MOT	211	TO 5	250	250	4.0	.500A	1.000W	200C	20.000G	1UA	150V	70	.010A
2N4931	P	S	MOT	211	TO 5	250	250	4.0	.500A	1.000W	200C	20.000G	1UA	150V	70	.010A
2N4932			SEE RF POWER SECTION													
2N4933			SEE RF POWER SECTION													
2N4934	N	S	RCA	218	TO104	40	40	3.0		.200W	200J	700.000G	10NA	15V	80	.002A
2N4935	N	S	RCA	218	TO104	40	40	3.0		.200W	200J	700.000G	10NA	15V	110	.002A
2N4936	N	S	RCA	218	TO104	50	30	3.0		.200W	200J	700.000G	10NA	15V	120	.002A
2N4943	N	S	NSC	211	TO 5	120	80	7.0	1.000A	.800W	200J	150.000G	10NA	60V	175	.150A
2N4944	N	S	FSC	173	TO106	80	40	5.0		.220W	125J	60.000G	50NA	40V	80	.150A
2N4945	N	S	FSC	173	TO106	80	60	5.0		.220W	125J	60.000G	50NA	40V	80	.150A
2N4946	N	S	FSC	173	TO106	80	40	5.0		.220W	125J	60.000G	50NA	40V	150	.150A
2N4950	N	S	SPC	563	TO114	80	60	10.0	70.000A	300.000W	200J	.100G	2MA	60V	15	50.000A
2N4951	N	S	GEC,SPR,HUG	45	TO 98	60	30	5.0	.500A	.360W	150J	250.000G	50NA	40V	110	.150A
2N4952	N	S	GEC,SPR,HUG	45	TO 98	60	30	5.0	.500A	.360W	150J	250.000G	50NA	40V	176	.150A
2N4953	N	S	GEC,SPR,HUG	45	TO 98	60	30	5.0	.500A	.360W	150J	250.000G	50NA	40V	350	.150A
2N4954	N	S	GEC,SPR,HUG	45	TO 98	40	30	5.0	.500A	.360W	150J	250.000G	50NA	30V	210	.150A
2N4957	P	S	MOT	217	TO 72	30	30	3.0	.030A	.200W	200J	1200.000G	100NA	20V	40	.002A
2N4958	P	S	MOT	217	TO 72	30	30	3.0	.030A	.200W	200J	1000.000G	100NA	20V	40	.002A
2N4959	P	S	MOT	217	TO 72	30	30	3.0	.030A	.200W	200J	1000.000G	100NA	20V	40	.002A
2N4960	N	S	FSC	211	TO 39	60	60	6.5		.800W	200J	250.000G	10NA	50V	100	.150A
2N4961	N	S	FSC	211	TO 39	80	80	6.5		.800W	200J	250.000G	10NA	50V	100	.150A
2N4962	N	S	FSC	211	TO 18	60	60	6.5		.500W	200J	250.000G	10NA	50V	100	.150A
2N4963	N	S	FSC	211	TO 18	80	80	6.5		.500W	200J	250.000G	10NA	50V	100	.150A
2N4964	P	S	NSC	173	TO106	50	40	5.0	.100A	.200W	125J	60.000G	25NA	20V	180	.001A
2N4965	P	S	NSC	173	TO106	50	40	5.0	.100A	.200W	125J	60.000G	25NA	20V	180	.001A
2N4966	N	S	NSC	173	TO106	50	40	6.0	.030A	.200W	125J	40.000G	25NA	25V	90	.001A
2N4967	N	S	NSC	173	TO106	50	40	6.0	.030A	.200W	125J	40.000G	25NA	25V	250	.001A
2N4968	N	S	NSC	173	TO106	30	25	6.0	.030A	.200W	125J	40.000G	50NA	25V	90	.001A
2N4969	N	S	NSC	173	TO106	50	30	5.0	.500A	.200W	125J	200.000G	50NA	30V	70	.150A
2N4970	N	S	NSC	173	TO106	50	30	5.0	.500A	.200W	125J	200.000G	50NA	30V	188	.150A
2N4971	P	S	NSC	173	TO106	50	40	5.0	.500A	.200W	125J	200.000G	25NA	30V	70	.150A
2N4972	P	S	NSC	173	TO106	50	40	5.0	.500A	.200W	125J	200.000G	25NA	30V	175	.150A
2N4980	P	S	NSC	211	TO 46	30	30	30.0	.100A	.400W	200J	10.000G	1NA	30V	135	.001A
2N4981	P	S	NSC	211	TO 46	50	50	50.0	.100A	.400W	200J	5.000G	3NA	50V	90	.001A
2N4982	P	S	NSC	211	TO 46	70	70	70.0	.100A	.400W	200J	3.000G	5NA	70V	68	.001A
2N4994	N	S	TII	168	168A	60	45	4.0	.030A	.360W	150J	200.000G	100NA	30V	80	.010A
2N4995	N	S	TII	168	168A	60	45	4.0	.030A	.360W	150J	200.000G	100NA	30V	200	.010A
2N4996	N	S	TII	168	168A	30	18	4.0	.050A	.250W	150J	600.000G	100NA	15V	75	.002A
2N4997	N	S	TII	168	168A	30	18	4.0	.050A	.250W	150J	600.000G	100NA	15V	68	.002A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N4998	N	S	FSC	560	TO 59		100S	6.0	2.000A	30.000W	200J	50.000G	1UA	60V	63	1.000A
2N4999	P	S	FSC	560	TO 50	100	80	5.5	5.000A	50.000W	200J	60.000G	1UA	60V	50	2.500A
2N5000	N	S	FSC	560	TO 59		100S	6.0	2.000A	30.000W	200J	60.000G	1UA	60V	110	1.000A
2N5001	P	S	FSC	560	TO 50	100	80	5.5	5.000A	50.000W	200J	70.000G	1UA	60V	114	2.500A
2N5002	N	S	FSC,BEN	560	TO 59		100S	6.0	5.000A	50.000W	200J	60.000G	1UA	60V	64	2.500A
2N5003	P	S	FSC	560	TO 50	100	80	5.5	2.000A	30.000W	200J	50.000G	1UA	60V	40	1.000A
2N5004	N	S	FSC,BEN	560	TO 59		100S	6.0	5.000A	50.000W	200J	70.000G	1UA	60V	114	2.500A
2N5005	P	S	FSC	560	TO 50	100	80	5.5	2.000A	30.000W	200J	60.000G	1UA	60V	88	1.000A
2N5006	N	S	FSC	560	TO 61		100S	6.0	10.000A	100.000W	200J	30.000G	1MA	60V	42	5.000A
2N5007	P	S	FSC	560	TO 61	100	80	5.5	10.000A	100.000W	200J	30.000G	1UA	60V	52	5.000A
2N5008	N	S	FSC	560	TO 61		100S	6.0	10.000A	100.000W	200J	40.000G	1UA	60V	108	5.000A
2N5009	P	S	FSC	560	TO 61	100	80	5.5	10.000A	100.000W	200J	30.000G	1UA	60V	120	5.000A
2N5016			SEE RF POWER SECTION													
2N5017	N	S	RCA	970	970A		65X	4.0	4.500A	30.000W	200J	600.000G	10MA	30V	4	
2N5022	P	S	FSC,RAY	211	TO 39	50	50	5.0	1.000A	1.000W	200J	170.000G	100NA	30V	45	.500A
2N5023	P	S	FSC,RAY	211	TO 39	30	30	5.0	1.000A	1.000W	200J	200.000G	100NA	20V	60	.500A
2N5025			SEE RF POWER SECTION													
2N5026			SEE RF POWER SECTION													
2N5027	N	S	GEC,SPR	45	TO 98	60	30	5.0	.350A	.320W	120J	250.000G	100NA	40V	88	.150A
2N5028	N	S	GEC,SPR	45	TO 98	60	30	5.0	.350A	.320W	120J	250.000G	100NA	40V	176	.150A
2N5029	N	S	GEC	45	TO 98	40	15	4.5	.200A	.320W	120J	500.000G	250NA	20V	70	.010A
2N5030	N	S	GEC	45	TO 98	30	12	4.0	.200A	.320W	120J	400.000G	250NA	20V	60	.100A
2N5031	N	S	MOT	217	TO 72	15	10	3.0	.020A	.200W	200A	1000.000G	10NA	6V	100	.001A
2N5032	N	S	MOT	217	TO 72	15	10	3.0	.020A	.200W	200A	1000.000G	10NA	6V	100	.001A
2N5034	N	S	RCA	980	980A	55	40	5.0	6.000A	83.000W	150J	.800G	1MA	35V	40	4.000A
2N5035	N	S	RCA	981	981A	55	40	5.0	6.000A	83.000W	150J	.800G	1MA	35V	40	4.000A
2N5036	N	S	RCA	980	980A	70	50	5.0	8.000A	83.000W	150J	.800G	1MA	35V	40	5.000A
2N5037	N	S	RCA	981	981A	70	50	5.0	8.000A	83.000W	150J	.800G	1MA	50V	40	5.000A
2N5038	N	S	RCA	605	TO 3	150	90	7.0	20.000A	140.000W	200J	60.000G	20MA	70V	100	2.000A
2N5039	N	S	RCA	605	TO 3	120	75	7.0	20.000A	140.000W	200J	60.000G	20MA	55V	68	2.000A
2N5040	P	S	FSC,SOL	173	TO105	25	25	4.0		.300W	125J	80.000G	50NA	15V	75	.500A
2N5041	P	S	FSC	173	TO105	40	40	5.0		.300W	125J	100.000G	50NA	30V	65	.500A
2N5042	P	S	FSC	211	TO 39	40	40	5.0		.800W	200J	100.000G	50NA	30V	75	.150A
2N5043	P	G	TII	217	TO 72	15	7	.3	.030A	.030W	125J	1500.000G	6UA	10V	53	.003A
2N5044	P	G	TII	217	TO 72	15	7	.3	.030A	.030W	125J	1500.000G	6UA	10V	53	.003A
2N5048	N	S	GEC	561	TO 61	60	50	14.0	10.000A	100.000W	175J	10.000G	10MA	60V	30	10.000A
2N5049	N	S	GEC	561	TO 61	120	100	14.0	10.000A	100.000W	175J	10.000G	1MA	120V	30	10.000A
2N5050	N	S	MOT	605	TO 66	125	125	6.0	2.000A	40.000W	175J	10.000G	500UA	125V	50	.750A
2N5051	N	S	MOT	605	TO 66	150	150	6.0	2.000A	40.000W	175J	10.000G	500UA	150V	50	.750A
2N5052	N	S	MOT	605	TO 66	200	200	6.0	2.000A	40.000W	175J	10.000G	500UA	200V	50	.750A
2N5053	N	S	AMP	217	TO 72	30	15	3.0	.025A	.200W	200J	1300.000G	10NA	15V	52	.025A
2N5054	N	S	AMP	217	TO 72	30	15	3.0	.025A	.200W	200J	1500.000G	10NA	15V	52	.025A
2N5055	P	S	FSC	173	TO106	12	12	4.5	.100A	.200W	125J	550.000G	50NA	10V	55	.100A
2N5056	P	S	FSC	211	TO 18	15	15	4.5	.100A	.360W	200J	600.000G	50NA	10V	55	.030A
2N5057	P	S	FSC	211	TO 18	15	15	4.5	.100A	.360W	200J	800.000G	50NA	10V	65	.030A
2N5058	N	S	TII	211	TO 5	300	300	7.0	.150A	1.000W	175J	30.000G	50NA	100V	73	.030A
2N5059	N	S	TII	211	TO 5	250	250	6.0	.150A	1.000W	175J	30.000G	50NA	100V	68	.030A
2N5067	N	S	MOT,FSC,HUG	605	TO 3	40	40	5.0	5.000A	87.500W	200J	4.000G	1MA	40V	40	1.000A
2N5068	N	S	MOT,FSC,HUG	605	TO 3	60	60	5.0	5.000A	87.500W	200J	4.000G	1MA	60V	40	1.000A
2N5069	N	S	MOT,FSC,HUG	605	TO 3	80	80	5.0	5.000A	87.500W	200J	4.000G	1MA	80V	40	1.000A
2N5070			SEE RF POWER SECTION													
2N5071			SEE RF POWER SECTION													
2N5074	N	S	FSC	560	TO 59		200S	6.0	3.000A	60.000W	200J	40.000G	10UA	150V	21	3.000A
2N5075	N	S	FSC	560	TO 59		200S	6.0	3.000A	60.000W	200J	40.000G	10UA	150V	32	3.000A
2N5076	N	S	FSC	560	TO 59		250S	6.0	3.000A	60.000W	200J	40.000G	10UA	150V	21	3.000A
2N5077	N	S	FSC	560	TO 59		250S	6.0	3.000A	60.000W	200J	40.000G	10UA	150V	32	3.000A
2N5083	N	S	FSC	560	TO 59	120	60	6.0	10.000A	35.000W	200J	50.000G	1MA	120V	70	2.000A
2N5084	N	S	FSC	560	TO 59	120	60	6.0	10.000A	35.000W	200J	80.000G	1MA	120V	175	2.000A
2N5085	N	S	FSC	560	TO 59	150	80	6.0	10.000A	35.000W	200J	50.000G	1MA	150V	70	2.000A
2N5086	P	S	MOT	41	TO 92	50	50	3.0	.050A	.310W	135J	40.000G	50NA	35V	276	.001A
2N5087	P	S	MOT	41	TO 92	50	50	3.0	.050A	.310W	135J	40.000G	50NA	35V	450	.001A
2N5088	N	S	MOT	41	TO 92	35	30	4.5	.050A	.310W	135J	50.000G	50NA	20V	524	.001A
2N5089	N	S	MOT	41	TO 92	30	25	4.5	.050A	.310W	135J	50.000G	50NA	15V	700	.001A
2N5090			SEE RF POWER SECTION													
2N5102			SEE RF POWER SECTION													
2N5106	N	S	FSC	210	TO 39	60	30	5.0	.500A	.800W	200J	250.000G	10NA	50V	175	.150A
2N5107	N	S	FSC	210	TO 18	60	30	5.0	.500A	.360W	200J	250.000G	10NA	50V	175	.150A
2N5108			SEE RF POWER SECTION													
2N5108A			SEE RF POWER SECTION													
2N5109			SEE RF POWER SECTION													
2N5110	P	S	STC	211	TO 5	40	40	10.0	1.000A	5.000W	175J	1.000G	100UA	20V	12	1.000A
2N5111	P	S	STC	211	TO 5	80	80	10.0	1.000A	5.000W	175J	1.000G	100UA	40V	12	1.000A
2N5112	P	S	STC	561	TO 59	40	40	10.0	1.000A	34.000W	175J	1.000G	100UA	20V	12	1.000A
2N5113	P	S	STC	561	TO 59	80	80	10.0	1.000A	34.000W	175J	1.000G	100UA	40V	12	1.000A
2N5126	N	S	FSC,NSC	173	TO106	20	20	3.0		.200W	125J	300.000G	50NA	10V	70	.004A
2N5127	N	S	FSC,NSC	173	TO106	20	12	3.0		.200W	125J	150.000G	50NA	10V	70	.015A
2N5128	N	S	FSC,NSC	173	TO105	15	12	3.0		.300W	125J	200.000G	50NA	10V	75	.005A
2N5129	N	S	FSC,NSC	173	TO106	15	12	3.0		.200W	125J	200.000G	50NA	10V	75	.050A
2N5130	N	S	FSC,NSC	173	TO106	30	12	1.0		.200W	125J	450.000G	50NA	10V	55	.008A
2N5131	N	S	FSC,NSC	173	TO106	20	15	3.0		.200W	125J	100.000G	50NA	10V	150	.010A
2N5132	N	S	FSC,NSC	173	TO106	20	20	3.0		.200W	125J	200.000G	50NA	10V	130	.010A
2N5133	N	S	FSC,NSC	173	TO106	20	18	3.0		.200W	125J	40.000G	50NA	15V	220	.001A
2N5134	N	S	FSC	173	TO106	20	10	3.5	.100A	.200W	125J	400.000G	400NA	15V	66	.010A
2N5135	N	S	FSC,NSC	173	TO105	30	25	4.0		.300W	125J	40.000G	300NA	15V	400	.010A
2N5136	N	S	FSC,NSC	173	TO105	30	20	3.0		.300W	125J	40.000G	100NA	20V	100	.150A
2N5137	N	S	FSC,NSC	173	TO106	30	20	3.0		.220W	125J	40.000G	100NA	20V	100	.150A
2N5138	P	S	FSC,NSC	173	TO106	30	30	5.0		.200W	125J	30.000G	10NA	20V	120	.010A
2N5139	P	S	FSC,NSC	173	TO106	20	20	5.0	.100A	.200W	125J	300.000G	50NA	15V	150	.010A
2N5140	P	S	FSC	173	TO106	5	5	4.0	.050A	.200W	125J	400.000G	50NA	3V	50	.010A
2N5141	P	S	FSC	173	TO106	6	6	6.0	.100A	.200W	125J	300.000G	100NA	4V	55	.100A
2N5142	P	S	FSC,NSC	173	TO105	20	20	4.0	.500A	.300W	125J	100.000G	35NA	12V	50	.300A
2N5143	P	S	FSC,NSC	173	TO106	20	20	4.0	.500A	.200W	125J	100.000G	35NA	12V	50	.300A
2N5147	P	S	FSC,HUG	211	TO 39	100	80	5.5	2.000A	1.000W	200J	50.000G	1MA	100V	52	1.000A
2N5148	N	S	FSC,BEN,HUG	211	TO 39		100S	6.0	2.000A	1.000W	200J	50.000G	1UA	60V	63	1.000A
2N5149	P	S	FSC	211	TO 39	100	80	5.5	2.000A	1.000W	200J	60.000G	1MA	100V	120	1.000A
2N5150	N	S	FSC,BEN,HUG	211	TO 39		100S	6.0	2.000A	1.000W	200J	60.000G	1UA	60V	110	1.000A
2N5151	P	S	FSC,HUG	211	TO 39		100S	5.5	5.000A	1.000W	200J	60.000G	1UA	60V	50	2.500A
2N5152	N	S	FSC,BEN,HUG	211	TO 39		100S	6.0	5.000A	1.000W	200J	60.000G	1UA	60V	64	2.500A
2N5153	P	S	FSC,HUG	211	TO 39		100S	5.5	5.000A	1.000W	200J	70.000G	1UA	60V	114	2.500A
2N5154	N	S	FSC,BEN,HUG	211	TO 39		100S	6.0	5.000A	1.000W	200J	70.000G	1UA	60V	114	2.500A
2N5155	P	G	DEL,MOT,BEN	605	TO 3	140	120	1.5	25.000A	106.000W	110J	.100G	10MA	140V	50	8.000A
2N5156	P	G	DEL,BEN,MOT	605	TO 3	100	60	60.0	10.000A			.320G	4MA	100V	40	5.000A
2N5157	N	S	DEL,BEN	605	TO 3		500	5.0	3.500A			4.000G	250UA	500V	52	1.000A
2N5160			SEE RF POWER SECTION													
2N5161			SEE RF POWER SECTION													
2N5162			SEE RF POWER SECTION													
2N5172	N	S	GEC,SPR	45	TO 98	25	25	5.0	.100A	.200W	100J	120.000G	100NA	25V	224	.010A
2N5174	N	S	GEC	45	TO 98	90	75	5.0	.025A	.200W	100J		500NA	60V	190	.010A
2N5175	N	S	GEC	45	TO 98	130	100	5.0	.025A	.200W	100J		500NA	60V	96	.010A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{r,B}$	$V_{r,E}$	$V_{r,B}$	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{r,BO}$ @	$V_{r,B}$	Gain $h_{F,E}$ @	I_c
2N5176	N	S	GEC	45	TO 98	130	100	5.0	.025A	.200W	100J		500NA	60V	214	.010A
2N5179	N	S	RCA,MOT	217	TO 72	20	12	2.5	.050A	.200W	200J	1000.000G	25NA	15V	70	.003A
2N5180	N	S	RCA	218	TO104	30	15	2.0		.180W	175J	650.000G	25NA	1V	70	.002A
2N5181	N	S	RCA	218	TO104	45		3.0	.050A	.180W	175J	700.000G	1UA	45V	96	.001A
2N5182	N	S	RCA	218	TO104	45		3.0	.004A	.180W	175J	700.000G	1UA	45V	96	.001A
2N5183	N	S	RCA	211	TO104	18	18	7.0	1.000A	.500W	175J	125.000G	500NA	12V	150	.010A
2N5184	N	S	RCA	211	TO104		120	5.0	.050A	.500W	175J	30.000G	100NA	120V	56	.050A
2N5185	N	S	RCA	211	211M		120	5.0	.050A	1.000W	175J	30.000G	100NA	120V	56	.050A
2N5186	N	S	RCA	211	TO 52	10		3.0	.300A	.300W	200J	400.000G	50NA	5V	50	.010A
2N5187	N	S	RCA	211	TO 52	25	10	5.0	.500A	.300W	200J	400.000G	450NA	20V	50	.030A
2N5188	N	S	RCA	211	TO 39	60	25	5.0		.800W	200J	325.000G	500NA	30V	40	.500A
2N5189	N	S	RCA	211	211Q	60	35	5.0		.800W	200J	250.000G	500NA	30V	36	.100A
2N5190	N	S	MOT	48	48A	40	40		4.000A	40.000W	150J	2.000G	100UA	40V	50	1.500A
2N5191	N	S	MOT	48	48A	60	60		4.000A	40.000W	150J	2.000G	100UA	60V	50	1.500A
2N5192	N	S	MOT	48	48A	80	80		4.000A	40.000W	150J	2.000G	100UA	80V	40	1.500A
2N5193	P	S	MOT	48	48A	40	40		4.000A	40.000W	150J	2.000G	100UA	40V	50	1.500A
2N5194	P	S	MOT	48	48A	60	60		4.000A	40.000W	150J	2.000G	100UA	60V	50	1.500A
2N5195	P	S	MOT	48	48A	80	80		4.000A	40.000W	150J	2.000G	100UA	80V	40	1.500A
2N5202	N	S	RCA	605	TO 66	120	75R	7.0	4.000A	35.000W	200J	60.000G	10MA	100V	35	4.000A
2N5208	P	S	MOT	41	TO 92	30	25	3.0	.050A	.310W	135J	300.000G	10NA	10V	50	.002A
2N5209	N	S	MOT	41	TO 92	50	50	4.5	.050A	.310W	135J	30.000G	50NA	35V	175	.001A
2N5210	N	S	MOT	41	TO 92	50	50	4.5	.050A	.310W	135J	30.000G	50NA	35V	350	.001A
2N5218	N	S	SOL,HUG	561	TO 61	220	200	8.0	10.000A	50.000W	200C	40.000G	500NA	100V	45	5.000A
2N5219	N	S	MOT	41	TO 92	20	15	3.0	.100A	.310W	135C	150.000G	100NA	10V	160	.002A
2N5220	N	S	MOT	41	TO 92	15	15	3.0	.500A	.310W	135C	100.000G	100NA	10V	180	.050A
2N5221	P	S	MOT	41	TO 92	15	15	3.0	.500A	.310W	135C	100.000G	100NA	10V	180	.050A
2N5222	N	S	MOT	41	TO 92	20	15	2.0	.050A	.310W	135C	450.000G	100NA	10V	395	.004A
2N5223	N	S	MOT	41	TO 92	25	20	3.0	.100A	.310W	135C	150.000G	100NA	10V	250	.002A
2N5224	N	S	MOT	41	TO 92	25	12	5.0	.100A	.310W	135C	250.000G	500NA	15V	140	.010A
2N5225	N	S	MOT	41	TO 92	25	25	4.0	.500A	.310W	135C	50.000G	300NA	15V	180	.050A
2N5226	P	S	MOT	41	TO 92	25	25	4.0	.500A	.310W	135C	50.000G	300NA	15V	180	.050A
2N5227	N	S	MOT	41	TO 92	30	30	3.0	.050A	.310W	135C	100.000G	100NA	10V	425	.002A
2N5228	P	S	MOT	41	TO 92	5	5	3.0	.050A	.310W	135C	.000G	100NA	1V	65	.010A
2N5229	P	S	MOT	210	TO 46	15	10	15.0	.050A	.500W	200J	8.000G	1NA	12V	75	.001A
2N5230	P	S	MOT	210	TO 46	30	20	30.0	.050A	.500W	200J	8.000G	1NA	25V	75	.001A
2N5231	P	S	MOT	210	TO 46	50	30	50.0	.050A	.500W	200J	8.000G	1NA	40V	75	.001A
2N5232	N	S	GEC,SPR	45	TO 98	70	50	5.0	.100A	.330W	125J	AUD	30NA	50V	375	.002A
2N5232A	N	S	GEC,SPR	45	TO 98	70	50	5.0	.100A	.330W	125J	AUD	30NA	50V	375	.002A
2N5239	N	S	RCA	605	TO 3	330	225	6.0	5.000A	100.000W	200J	5.000G	4MA	300V	40	.400A
2N5240	N	S	RCA	605	TO 3	375	300	6.0	5.000A	100.000W	200J	5.000G	2MA	375V	40	.400A
2N5241	N	S	DEL,BEN	605	TO 3		400	5.0	5.000A			4.000G	3MA	400V	24	2.500A
2N5244	P	S	FSC	211	TO 18	40	40	5.0	.100A	.360W	200J	450.000G	15NA	30V	225	.010A
2N5249	N	S	GEC	45	TO 98	70	50	5.0	.100A	.330W	125J	1.200G	30NA	50V	600	.002A
2N5249A	N	S	GEC	45	TO 98	70	50	5.0	.100A	.330W	125J	1.200G	30NA	50V	600	.002A
2N5250	N	S	TEC,SOL,HUG	563	TO114	125	100	8.0		200.000W		15.000G	100UA	125V	30	40.000A
2N5251	N	S	TEC,SOL	563	TO114	180	150	8.0		200.000W		15.000G	100UA	180V	30	40.000A
2N5262	N	S	RCA	211	TO 39	75	50	5.0	2.000A	1.000W	200J	250.000G	10UA	60V	65	.500A
2N5263	N	S	AMP	890	890A		15		.025A	.360W	150A	1000.000G			53	
2N5264	N	S	FSC	605	TO 3	400	180	5.0	10.000A	87.000W	200J	50.000G	1MA	400V	105	1.000A
2N5284	N	S	FSC	560	TO 59		120S	6.0	5.000A	50.000W	200J	60.000G	1UA	80V	64	2.500A
2N5285	N	S	FSC	560	TO 59		120S	6.0	5.000A	50.000W	200J	70.000G	1UA	80V	114	2.500A
2N5286	P	S	FSC	560	TO 59		100S	5.5	5.000A	50.000W	200J	60.000G	1UA	80V	50	2.500A
2N5287	P	S	FSC	560	TO 59		100S	5.5	5.000A	50.000W	200J	70.000G	1UA	80V	114	2.500A
2N5288	N	S	FSC	560	TO 61		120S	6.0	10.000A	100.000W	200J	30.000G	1MA	120V	52	5.000A
2N5289	N	S	FSC	560	TO 61		120S	6.0	10.000A	100.000W	200J	40.000G	1MA	120V	120	5.000A
2N5290	P	S	FSC	560	TO 61		100S	5.5	10.000A	100.000W	200J	30.000G	1MA	100V	52	5.000A
2N5291	P	S	FSC	560	TO 61		100S	5.5	10.000A	100.000W	200J	40.000G	1MA	100V	120	5.000A
2N5293	N	S	RCA	53	53A	80	70	7.0	4.000A	36.000W	150J	.800G	500UA	65V	60	.500A
2N5294	N	S	RCA	54	54A	80	70	7.0	4.000A	36.000W	150J	.800G	2MA	35V	60	.500A
2N5295	N	S	RCA	53	53A	60	40	5.0	4.000A	36.000W	150J	.800G	500UA	65V	60	1.000A
2N5296	N	S	RCA	54	54A	60	40	5.0	4.000A	36.000W	150J	.800G	500UA	65V	60	1.000A
2N5297	N	S	RCA	53	53A	80	60	5.0	4.000A	36.000W	150J	.800G	2MA	35V	40	1.500A
2N5298	N	S	RCA	54	54A	80	60	5.0	4.000A	36.000W	150J	.800G	500UA	65V	40	1.500A
2N5301	N	S	MOT	605	TO 3	40	40	5.0	30.000A	200.000W	200J	2.000G	1MA	40V	30	15.000A
2N5302	N	S	MOT	605	TO 3	60	60	5.0	30.000A	200.000W	200J	2.000G	1MA	60V	30	15.000A
2N5303	N	S	MOT	605	TO 3	80	80	5.0	30.000A	200.000W	200J	2.000G	1MA	80V	30	10.000A
2N5309	N	S	GEC	45	TO 98	70	50	5.0	.100A	.360W	125J	1.000G	10NA	50V	90	.001A
2N5310	N	S	GEC	45	TO 98	70	50	5.0	.100A	.360W	125J	1.000G	10NA	50V	175	.001A
2N5312	P	S	SOL,HUG	560	TO 61	80	80	6.0	10.000A	50.000W	200J	30.000G	10UA	80V	52	10.000A
2N5313	N	S	SOL,FSC	560	TO 61	80	80	6.0	20.000A	50.000W	200J	30.000G	10UA	80V	52	10.000A
2N5314	P	S	SOL,HUG	560	TO 61	100	100	6.0	10.000A	50.000W	200J	30.000G	10UA	100V	52	10.000A
2N5315	N	S	SOL,FSC	560	TO 61	100	100	6.0	20.000A	50.000W	200J	30.000G	10UA	100V	52	10.000A
2N5316	P	S	SOL,HUG	560	TO 61	80	80	6.0	10.000A	50.000W	200J	30.000G	100UA	80V	52	5.000A
2N5317	N	S	SOL,FSC	560	TO 61	80	80	6.0	10.000A	50.000W	200J	30.000G	10UA	80V	52	5.000A
2N5318	P	S	SOL,HUG	560	TO 61	100	100	6.0	10.000A	50.000W	200J	30.000G	10UA	100V	52	5.000A
2N5319	N	S	SOL,FSC	560	TO 61	100	100	6.0	10.000A	50.000W	200J	30.000G	10UA	100V	52	5.000A
2N5320	N	S	RCA	211	TO 5	100	75	7.0	2.000A	10.000W	200J	50.000G	500NA	80V	72	.500A
2N5321	N	S	RCA	211	TO 5	100	75	7.0	2.000A	10.000W	200J	50.000G	5UA	60V	100	.500A
2N5322	P	S	RCA	211	TO 5	75	50	5.0	2.000A	10.000W	200J	50.000G	500NA	80V	72	.500A
2N5323	P	S	RCA	211	TO 5	75	50	5.0	2.000A	10.000W	200J	50.000G	5UA	60V	100	.500A
2N5324	P	G	MOT	605	TO 3	250	150	4.0	10.000A	56.000W	110J	2.000G	7MA	250V	35	5.000A
2N5325	P	G	MOT	605	TO 3	325	200	4.0	10.000A	56.000W	110J	2.000G	7MA	325V	35	5.000A
2N5326	N	S	TRW	560	TO 59	100	80	6.0	5.000A	20.000W	200J	80.000G	1UA	90V	88	1.000A
2N5327	N	S	TRW,BEN	210	TO 5	100	80	5.0	10.000A	5.000W	200J	100.000G	100UA	90V	88	5.000A
2N5328	N	S	TRW	560	TO 59	100	80	5.0	10.000A	30.000W	200J	100.000G	100UA	90V	88	5.000A
2N5329	N	S	TRW,BEN	560	TO 61	150	90	8.0	20.000A	65.000W	200J	80.000G	5MA	150V	70	10.000A
2N5330	N	S	TRW	560	TO 61	150	90	8.0	30.000A	80.000W	200J	80.000G	10MA	150V	70	10.000A
2N5331	N	S	TRW,BEN	561	TO 63	150	90	8.0	30.000A	100.000W	200J	80.000G	10MA	150V	70	10.000A
2N5333	P	S	TII	211	TO 5	100	80	6.0	2.000A	1.000W	200J	30.000G	10UA	90V	60	1.000A
2N5334	N	S	MOT	210	TO 39	60	60	8.0	3.000A	6.000W	200J	60.000G	5UA	60V	68	1.000A
2N5335	N	S	MOT	210	TO 39	80	80	8.0	3.000A	6.000W	200J	60.000G	5UA	80V	68	1.000A
2N5336	N	S	MOT,FSC	210	TO 39	80	80	6.0	5.000A	6.000W	200J	30.000G	10UA	80V	60	2.000A
2N5337	N	S	MOT,FSC	210	TO 39	80	80	6.0	5.000A	6.000W	200J	30.000G	10UA	80V	120	2.000A
2N5338	N	S	MOT,FSC	210	TO 39	100	100	6.0	5.000A	6.000W	200J	30.000G	10UA	100V	60	2.000A
2N5339	N	S	MOT,FSC	210	TO 39	100	100	6.0	5.000A	6.000W	200J	30.000G	10UA	100V	120	2.000A
2N5344	P	S	MOT	605	TO 66	250	250	5.0	1.000A	40.000W	200J	60.000G	100UA	250V	50	.500A
2N5345	P	S	MOT	605	TO 66	300	300	5.0	1.000A	40.000W	200J	60.000G	100UA	300V	50	.500A
2N5346	N	S	FSC,MOT	560	TO 59	80	80	6.0	7.000A	60.000W	200J	30.000G	10UA	80V	70	2.000A
2N5347	N	S	FSC,MOT	560	TO 59	80	80	6.0	7.000A	60.000W	200J	30.000G	10UA	80V	70	2.000A
2N5348	N	S	FSC,MOT	560	TO 59	100	100	6.0	7.000A	60.000W	200J	30.000G	10UA	100V	155	2.000A
2N5349	N	S	FSC,MOT	560	TO 59	100	100	6.0	7.000A	60.000W	200J	30.000G	10UA	100V	155	2.000A
2N5354	P	S	GEC	45	TO 98	25	25	4.0	.300A	.360W	125J	250.000G	100NA	25V	70	.050A
2N5355	P	S	GEC	45	TO 98	25	25	4.0	.300A	.360W	125J	250.000G	100NA	25V	175	.050A
2N5356	P	S	GEC	45	TO 98	25	25	4.0	.300A	.360W	125J	250.000G	100NA	25V	375	.050A
2N5357	P	S	MOT	631	TO 37	300	300	5.0	3.000A	30.000W	200J	50.000G	10UA	300V	50	.500A
2N5365	P	S	GEC	45	TO 98	40	40	4.0	.300A	.360W	125J	250.000G	100NA	40V	70	.050A
2N5366	P	S	GEC	45	TO 98	40	40	4.0	.300A	.360W	125J	250.000G	100NA	40V	175	.050A
2N5367	P	S	GEC	45	TO 98	40	40	4.0	.300A	.360W	125J	250.000G	100NA	40V	375	.050A
2N5368	N	S	SPR	168	168A	60	30	5.0	.500A	.360W	150J	250.000G	50NA	40V	110	.150A

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
2N5369	N	S	SPR	168	168A	60	30	5.0	.500A	.360W	150J	250.000G	50NA	40V	175	.150A
2N5370	N	S	SPR	168	168A	60	30	5.0	.500A	.360W	150J	250.000G	50NA	40V	350	.150A
2N5371	N	S	SPR	168	168A	40	30	5.0	.500A	.360W	150J	250.000G	50NA	30V	210	.150A
2N5372	P	S	SPR	168	168A	60	30	5.0	.500A	.360W	150J	150.000G	50NA	40V	70	.150A
2N5373	P	S	SPR	168	168A	60	30	5.0	.500A	.360W	150J	150.000G	50NA	40V	175	.150A
2N5374	P	S	SPR	168	168A	60	30	5.0	.500A	.360W	150J	150.000G	50NA	40V	300	.150A
2N5375	P	S	SPR	168	168A	40	30	5.0	.500A	.360W	150J	150.000G	50NA	30V	140	.150A
2N5376	N	S	SPR	168	168A	60	30	5.0	.500A	.360W	150J	300.000G	10NA	30V	270	.001A
2N5377	N	S	SPR	168	168A	60	30	5.0	.500A	.360W	150J	300.000G	10NA	30V	225	.001A
2N5378	P	S	SPR	168	168A	40	30	5.0	.500A	.360W	150J	200.000G	10NA	30V	270	.001A
2N5379	P	S	SPR	168	168A	40	30	5.0	.500A	.360W	150J	200.000G	10NA	30V	225	.001A
2N5380	N	S	SPR	168	168B		40			.360W	150J	250.000G			88	.010A
2N5381	N	S	SPR	168	168B		40			.360W		300.000G			175	.010A
2N5382	P	S	SPR	168	168B		40			.360W		200.000G			88	.010A
2N5383	P	S	SPR	168	168B		40			.360W		250.000G			175	.010A
2N5384	P	S	TII	568	TO111	100	80	6.0	5.000A	30.000W	200J	30.000G	10UA	90V	40	2.000A
2N5385	P	S	TII	581	TO111	100	80	6.0	5.000A	30.000W	200J	30.000G	10UA	90V	40	2.000A
2N5386	P	S	TII	541	TO 61	100	80	6.0	12.000A	50.000W	200J	30.000G	10UA	90V	40	6.000A
2N5387	N	S	TII	541	TO 61	200	200	7.5	7.500A	100.000W	200J	15.000G	1MA	200V	50	2.000A
2N5388	N	S	TII	541	TO 61	250	250	7.5	7.500A	100.000W	200J	15.000G	1MA	250V	50	2.000A
2N5389	N	S	TII	541	TO 61	300	300	7.5	7.500A	100.000W	200J	15.000G	1MA	300V	50	2.000A
2N5400	P	S	MOT	41	TO 92	130	120	5.0	.600A	.310W	135A	100.000G	100NA	100V	85	.010A
2N5401	P	S	MOT	41	TO 92	160	150	5.0	.600A	.310W	135A	100.000G	50NA	120V	120	.010A
2N5404	P	S	SOL,HUG	211	TO 5	80	80	6.0	5.000A	5.000W	200J	40.000G	10UA	80V	35	2.000A
2N5405	P	S	SOL,HUG	211	TO 5	100	100	6.0	5.000A	5.000W	200J	40.000G	10UA	100V	35	2.000A
2N5406	P	S	SOL,HUG	211	TO 5	80	80	6.0	5.000A	5.000W	200J	40.000G	10UA	80V	70	2.000A
2N5407	P	S	SOL,HUG	211	TO 5	100	100	6.0	5.000A	5.000W	200J	40.000G	10UA	100V	70	2.000A
2N5408	P	S	SOL,HUG	568	TO111	80	80	6.0	5.000A	30.000W	200J	40.000G	10UA	80V	35	2.000A
2N5409	P	S	SOL,HUG	568	TO111	100	100	6.0	5.000A	30.000W	200J	40.000G	10UA	100V	35	2.000A
2N5410	P	S	SOL,HUG	568	TO111	80	80	6.0	5.000A	30.000W	200J	40.000G	10UA	80V	70	2.000A
2N5411	P	S	SOL,HUG	568	TO111	100	100	6.0	5.000A	30.000W	200J	40.000G	10UA	100V	70	2.000A
2N5412	N	S	BEN	561	TO 61	80	60	7.0	15.000A	100.000W	200J	60.000G	1MA	80V	80	2.000A
2N5415	P	S	RCA	211	TO 5		200	4.0	1.000A	1.000W	200J	15.000G	50UA	150V	68	.050A
2N5416	P	S	RCA	211	TO 5	350	300	6.0	1.000A	1.000W	200J	15.000G	50UA	250V	60	.050A
2N5417	N	S	TII	211	TO 39	40	35	3.0	.500A	.500W	200J	250.000G	10NA	30V	140	.150A
2N5421			SEE RF POWER SECTION													
2N5422			SEE RF POWER SECTION													
2N5423			SEE RF POWER SECTION													
2N5424			SEE RF POWER SECTION													
2N5427	N	S	MOT	605	TO 66	80	80	6.0	7.000A	40.000W	200J	30.000G	10UA	80V	60	2.000A
2N5428	N	S	MOT	605	TO 66	80	80	6.0	7.000A	40.000W	200J	30.000G	10UA	80V	120	2.000A
2N5429	N	S	MOT	605	TO 66	100	100	6.0	7.000A	40.000W	200J	30.000G	10UA	100V	60	2.000A
2N5430	N	S	MOT	605	TO 66	100	100	6.0	7.000A	40.000W	200J	30.000G	10UA	100V	120	2.000A
2N5435	P	G	MOT	605	TO 3	80	60	2.5	60.000A	120.000W	110J	.350G	10MA	80V	35	25.000A
2N5436	P	G	MOT	605	TO 3	110	90	2.5	60.000A	120.000W	110J	.350G	10MA	110V	35	25.000A
2N5437	P	G	MOT	605	TO 3	140	120	2.5	60.000A	120.000W	110J	.350G	10MA	140V	35	25.000A
2N5438	P	G	MOT	605	TO 3	80	60	2.5	60.000A	120.000W	110J	.350G	10MA	80V	70	25.000A
2N5439	P	G	MOT	605	TO 3	110	90	2.5	60.000A	120.000W	110J	.350G	10MA	110V	70	25.000A
2N5440	P	G	MOT	605	TO 3	140	120	2.5	60.000A	120.000W	110J	.350G	10MA	140V	70	25.000A
2N5447	P	S	TII	168	168A	40	25	5.0	.200A	.360W	150J	500.000G	100NA	20V	135	.050A
2N5448	P	S	TII	168	168A	50	30	5.0	.200A	.360W	150J	500.000G	100NA	20V	68	.050A
2N5449	N	S	TII	168	168A	50	30	5.0	.800A	.360W	150J	100.000G	100NA	20V	175	.050A
2N5450	N	S	TII	168	168A	50	30	5.0	.800A	.360W	150J	100.000G	100NA	20V	88	.050A
2N5451	N	S	TII	168	168A	40	20	5.0	.800A	.360W	150J	100.000G	100NA	20V	180	.050A
2N5466	N	S	SOL,BEN	605	TO 3	500	400	8.0	3.000A	80.000W	200J	2.500G	250UA	500V	30	3.000A
2N5467	N	S	SOL,BEN	605	TO 3	700	400	8.0	3.000A	80.000W	200J	2.500G	250UA	700V	30	3.000A
2N5468	N	S	SOL	605	TO 66	500	400	8.0	3.000A	40.000W	200J	2.500G	250UA	500V	30	3.000A
2N5469	N	S	SOL	605	TO 66	700	400	8.0	3.000A	40.000W	200J	2.500G	250UA	700V	30	3.000A
2N5470	N	S	RCA	951	951A	55	55R	3.5	.200A	3.500W	200J	2000.000G	1MA	50V		
2N5477	N	S	FSC,MOT	561	TO 59	80	80	6.0	7.000A	60.000W	200J	30.000G	10UA	80V	70	2.000A
2N5478	N	S	FSC,MOT	561	TO 59	80	80	6.0	7.000A	60.000W	200J	30.000G	10UA	80V	70	2.000A
2N5479	N	S	FSC,MOT	561	TO 59	100	100	6.0	7.000A	60.000W	200J	30.000G	10UA	100V	155	2.000A
2N5480	N	S	FSC,MOT	561	TO 59	100	100	6.0	7.000A	60.000W	200J	30.000G	10UA	100V	155	2.000A
2N5481			SEE RF POWER SECTION													
2N5482			SEE RF POWER SECTION													
2N5483			SEE RF POWER SECTION													
2N5490	N	S	RCA	54	54A	60	40	5.0	7.000A	50.000W	150J	.800G			45	2.000A
2N5491	N	S	RCA	53	53A	60	40	5.0	7.000A	50.000W	150J	.800G			45	2.000A
2N5492	N	S	RCA	54	54A	75	55	5.0	7.000A	50.000W	150J	.800G	1MA	70V	45	2.500A
2N5493	N	S	RCA	53	53A	75	55	5.0	7.000A	50.000W	150J	.800G	1MA	70V	45	2.500A
2N5494	N	S	RCA	54	54A	60	40	5.0	7.000A	50.000W	150J	.800G	1MA	55V	45	3.000A
2N5495	N	S	RCA	53	53A	60	40	5.0	7.000A	50.000W	150J	.800G	1MA	55V	45	3.000A
2N5496	N	S	RCA	54	54A	90	70	5.0	7.000A	50.000W	150J	.800G	1MA	85V	45	3.500A
2N5497	N	S	RCA	53	53A	90	70	5.0	7.000A	50.000W	150J	.800G	1MA	85V	45	3.500A
2N5527	N	S	BEN	211	TO 5	60	40	3.0	5.000A	5.000W	200J	200.000G	1MA	60V	90	3.000A
2N5528	N	S	BEN	561	TO 59	60	40	3.0	10.000A	10.000W	200J	200.000G	1MA	60V	90	3.000A
2N5529	N	S	BEN	561	TO 61	60	40	3.0	10.000A	10.000W	200J	200.000G	1MA	60V	90	3.000A
2N5530	N	S	BEN	560	TO 61	60	40	3.0	10.000A	10.000W	200J	200.000G	1MA	60V	90	3.000A
2N5531	N	S	BEN	211	TO 5	90	75	3.0	5.000A	5.000W	200J	200.000G	1MA	90V	68	3.000A
2N5532	N	S	BEN	561	TO 59	90	75	3.0	10.000A	35.000W	200J	200.000G	1MA	90V	68	3.000A
2N5533	N	S	BEN	561	TO 61	90	75	3.0	10.000A	35.000W	200J	200.000G	1MA	90V	68	3.000A
2N5534	N	S	BEN	560	TO 61	90	75	3.0	10.000A	35.000W	200J	200.000G	1MA	90V	68	3.000A
2N5535	N	S	BEN	561	TO 61	60	50	3.0	20.000A	50.000W	200J	150.000G	1MA	60V	68	10.000A
2N5536	N	S	BEN	560	TO 61	60	50	3.0	20.000A	50.000W	200J	150.000G	1MA	60V	68	10.000A
2N5537	N	S	BEN	561	TO 61	90	75	3.0	20.000A	50.000W	200J	150.000G	1MA	90V	68	10.000A
2N5538	N	S	BEN	560	TO 61	90	75	3.0	20.000A	50.000W	200J	150.000G	1MA	90V	68	10.000A
2N5550	N	S	MOT	41	TO 92	160	140	6.0	.600A	.310W	135A	100.000G	100NA	100V	122	.010A
2N5551	N	S	MOT	41	TO 92	180	160	6.0	.600A	.310W	135A	100.000G	50NA	120V	142	.010A
2N5575	N	S	RCA	607	607C	70	50	8.0	80.000A	300.000W	175J	400.000G	10MA	60V	20	40.000A
2N5576	N	S	RCA	607	607D	70	50	8.0	80.000A	300.000W	175J	400.000G	10MA	60V	20	40.000A
2N5577	N	S	RCA	607	607E	70	50	8.0	80.000A	300.000W	175J	400.000G	10MA	60V	20	40.000A
2N5578	N	S	RCA	607	607C	90	70	8.0	60.000A	300.000W	175J	400.000G	10MA	80V	20	60.000A
2N5579	N	S	RCA	607	607D	90	70	8.0	60.000A	300.000W	175J	400.000G	10MA	80V	20	60.000A
2N5580	N	S	RCA	607	607E	90	70	8.0	60.000A	300.000W	175J	400.000G	10MA	80V	20	60.000A
2N5581	N	S	MOT	211	TO 46	75	40	6.0	.800A	.500W	200A	250.000G	10NA	60V	70	.150A
2N5582	N	S	MOT	211	TO 46	75	40	6.0	.800A	.500W	200A	300.000G	10NA	60V	175	.150A
2N5583	P	S	MOT	211	TO 39	30	30	3.0	.500A	5.000W	200A	1000.000G	50NA	20V	50	.100A
2N5584	N	S	MOT	561	TO 63	225	180	8.0	30.000A	100.000W	200J	70.000G	10MA	200V	70	10.000A
2N5589			SEE RF POWER SECTION													
2N5590			SEE RF POWER SECTION													
2N5591			SEE RF POWER SECTION													
2N5595			SEE RF POWER SECTION													
2N5596			SEE RF POWER SECTION													
2N5629	N	S	MOT	605	TO 3	100	100	7.0	16.000A	200.000W	200J	1.000G	1MA	100V	50	8.000A
2N5630	N	S	MOT	605	TO 3	120	120	7.0	16.000A	200.000W	200J	1.000G	1MA	120V	40	8.000A
2N5631	N	S	MOT	605	TO 3	140	140	7.0	16.000A	200.000W	200J	1.000G	1MA	140V	30	8.000A
2N5632	N	S	MOT	605	TO 3	100	100	7.0	10.000A	150.000W	200J	1.000G	1MA	100V	50	5.000A
2N5633	N	S	MOT	605	TO 3	120	120	7.0	10.000A	150.000W	200J	1.000G	1MA	120V	40	5.000A
2N5634	N	S	MOT	605	TO 3	140	140	7.0	10.000A	150.000W	200J	1.000G	1MA	140V	30	5.000A

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T_j(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2N5635			SEE RF POWER SECTION													
2N5636			SEE RF POWER SECTION													
2N5637			SEE RF POWER SECTION													
2N5641			SEE RF POWER SECTION													
2N5642			SEE RF POWER SECTION													
2N5643			SEE RF POWER SECTION													
2N5644			SEE RF POWER SECTION													
2N5645			SEE RF POWER SECTION													
2N5646			SEE RF POWER SECTION													
2N5671	N	S	RCA	605	TO 3	120	90	7.0	30.000A	140.000W	200J	50.000G	10MA	80V	45	15.000A
2N5672	N	S	RCA	605	TO 3	150	120	7.0	30.000A	140.000W	200J	50.000G	10MA	80V	45	20.000A
2N5683	P	S	MOT	605	TO 3	60	60	5.0	50.000A	300.000W	200C	2.000G	2MA	60V	30	25.000A
2N5684	P	S	MOT	605	TO 3	80	80	5.0	50.000A	300.000W	200C	2.000G	2MA	80V	30	25.000A
2N5685	N	S	MOT	605	TO 3	60	60	5.0	50.000A	300.000W	200C	2.000G	2MA	60V	30	25.000A
2N5686	N	S	MOT	605	TO 3	80	80	5.0	50.000A	300.000W	200C	2.000G	2MA	80V	30	25.000A
2N5687			SEE RF POWER SECTION													
2N5688			SEE RF POWER SECTION													
2N5689			SEE RF POWER SECTION													
2N5690			SEE RF POWER SECTION													
2N5691			SEE RF POWER SECTION													
2N5697			SEE RF POWER SECTION													
2N5698			SEE RF POWER SECTION													
2N5699			SEE RF POWER SECTION													
2N5700			SEE RF POWER SECTION													
2N5701			SEE RF POWER SECTION													
2N5702			SEE RF POWER SECTION													
2N5703			SEE RF POWER SECTION													
2N5704			SEE RF POWER SECTION													
2N5705			SEE RF POWER SECTION													
2N5706			SEE RF POWER SECTION													
2N5707			SEE RF POWER SECTION													
2N5708			SEE RF POWER SECTION													
2N5709			SEE RF POWER SECTION													
2N5710			SEE RF POWER SECTION													
2N5711			SEE RF POWER SECTION													
2N5712			SEE RF POWER SECTION													
2N5713			SEE RF POWER SECTION													
2N5714			SEE RF POWER SECTION													
2N5715			SEE RF POWER SECTION													
2N5729	N	S	FSC	211	TO 5	100	80	5.0	5.000A	10.000W	200J	30.000G	1MA	100V	105	2.000A
2N5730	N	S	FSC	560	TO 59	100	80	5.0	10.000A	45.000W	200J	30.000G	1MA	100V	105	2.000A
2N5731	N	S	FSC	560	TO 61	100	80	5.0	20.000A	75.000W	200J	30.000G	1MA	100V	105	5.000A
2N5732	N	S	FSC	605	TO 3	100	80	5.0	20.000A	75.000W	200J	30.000G	1MA	100V	105	5.000A
2N5761			SEE RF POWER SECTION													
2N5762			SEE RF POWER SECTION													
2S57			SEE 2SA57													
2S189			SEE 2SB189													
2SA12	P	G	HIT	120	TO 1	16		.5	.015A	.080W	85J	8.000B	6UA	12V	56	.001A
2SA13	P	G	HIT	120	TO 1	12		.5	.015A	.080W	85J	8.000B	10UA	12V	56	.001A
2SA15	P	G	HIT	120	TO 1	16		.5	.015A	.080W	85J	12.000B	6UA	12V	60	.001A
2SA16	P	G	HIT	120	TO 1	12		.5	.015A	.080W	85J	12.000B	10UA	12V	60	.001A
2SA17	P	G	HIT	120	TO 1	12		.5	.015A	.080W	60A	19.000B	16UA	12V	250	
2SA18	P	G	HIT	120	TO 1	21	12	12.0	.015A	.080W	85J	14.000B	6UA	12V	150	
2SA28	P	G	TOS	128	TO 44	18		.5	.005A	.055W	75J	33.000G	8UA	12V	110	.001A
2SA29	P	G	TOS	128	TO 44	18		.5	.005A	.055W	75J	15.000G	8UA	12V	36	.001A
2SA41	-P	G	HIT	120	TO 1	35	20	20.0	.040A	.130W	70J	6.000B	6UA	12V	45	
2SA42	-P	G	HIT	120	TO 1	45	23	20.0	.040A	.130W	70J	6.000B	6UA	12V	45	
2SA49	P	G	TOS	120	TO 1	18		12.0	.005A	.060W	75J	6.000B	10UA	18V	80	.001A
2SA50	P	G	TOS	120	TO 1	18		12.0	.024A	.055W	75J	9.300B	3UA	12V	68	.024A
2SA52	P	G	TOS	120	TO 1	18		12.0	.005A	.060W	75J	4.000B	10UA	18V	68	.001A
2SA53	P	G	TOS	120	TO 1	18		12.0	.005A	.060W	75J	3.000B	10UA	18V	52	.001A
2SA57	P	G	TOS	128	TO 44	18		.5	.005A	.055W	75J	85.000B	10UA	18V	44	.001A
2SA58	P	G	TOS	128	TO 44	18		.5	.005A	.055W	75J	75.000B	10UA	18V	110	.001A
2SA60	P	G	TOS	128	TO 44	18		.5	.005A	.055W	75J	55.000B	10UA	18V	130	.001A
2SA69	P	G	MAT	75	TO 7	20		.5	.010A	.100W	75J	70.000B	13UA	6V	40	
2SA70	P	G	MAT	75	TO 7	20		.5	.010A	.100W	75J	70.000B	13UA	6V	40	
2SA71	P	G	MAT	75	TO 7	20		.5	.010A	.100W	75J	100.000B	13UA	6V	40	
2SA72	P	G	TOS	128	TO 44	18		.5	.005A	.055W	50J	40.000B	12UA	18V	44	
2SA73	P	G	TOS	128	TO 44	18		.5	.005A	.055W	75J	20.000B	12UA	18V	56	.001A
2SA74	P	G	TOS	128	TO 44	50		.5	.050A	.120W	75J	70.000B	8UA	12V	110	.001A
2SA75	P	G	TOS	128	TO 44	5		.5	.050A	.120W	75J	30.000B	8UA	12V	110	.001A
2SA76	P	G	TOS	128	TO 44	18		.5	.005A	.055W	75J	160.000B	15UA	18V	110	.001A
2SA77	P	G	TOS	128	TO 44	18		.5	.005A	.055W	75J	70.000G	12UA	12V	110	.001A
2SA78	P	G	TOS	128	TO 44	40		2.0	.400A	.125W	75J	25.000B	8UA	12V	68	.400A
2SA80	-P	G	HIT	128	TO 44	20		.5	.010A	.080W	85J	60.000B	10UA	12V	80	
2SA81	-P	G	HIT	128	TO 44	20		.5	.010A	.080W	70A	40.000B	10UA	12V	80	
2SA82	-P	G	HIT	128	TO 44	20		.5	.010A	.080W	70A	40.000B	10UA	12V	80	
2SA83	-P	G	HIT	128	TO 44	25		.5	.010A	.080W	70A	30.000B	10UA	12V	80	
2SA84	-P	G	HIT	128	TO 44	25		.5	.010A	.080W	70A	35.000B	10UA	12V	80	
2SA85	-P	G	HIT	128	TO 44	25		1.0	.010A	.080W	70A	55.000B	10UA	12V	80	
2SA86	-P	G	HIT	128	TO 44	45		1.0	.050A	.125W	70J	25.000B	5UA	12V	80	
2SA92	P	G	TOS	128	TO 44	18		.5	.005A	.055W	75J	50.000B	10UA	18V	130	.001A
2SA93	P	G	TOS	128	TO 44	18		.5	.005A	.055W	75J	45.000B	10UA	18V	110	.001A
2SA100	P	G	MAT	120	TO 1	40		.7	.010A	.060W	75J	10.000B	16UA	10V		
2SA101	P	G	MAT	120	TO 1	40		.7	.010A	.060W	75J	15.000B	16UA	10V		
2SA102	P	G	MAT	120	TO 1	40		.7	.010A	.060W	75J	25.000B	16UA	10V		
2SA103	P	G	MAT	120	TO 1	40		.7	.010A	.060W	75J	35.000B	16UA	10V		
2SA104	P	G	MAT	120	TO 1	40		.7	.010A	.060W	75J	50.000B	16UA	10V		
2SA121	P	G	SON	35	35B	15	15R		.002A	.015W	65J	50.000B	8UA	15V	40	
2SA122	P	G	SON	35	35B	15	15		.002A	.015W	65J	50.000B	8UA	15V	40	
2SA123	-P	G	SON	35	35B	15	15R		.002A	.015W	65J	50.000B	8UA	15V	40	
2SA124	P	G	SON	35	35B	15	15		.002A	.015W	65J	90.000B	8UA	15V	44	
2SA125	P	G	SON	35	35B	15	15		.002A	.015W	65J	100.000B	4UA	25V	50	
2SA127	P	G	TOS	128	TO 44	70		.5	.050A	.150W	75J	25.000B	50UA	12V	114	.001A
2SA128	P	G	TOS	128	TO 44	40			.600A	.170W	75J	15.000B	50UA	12V	28	.600A
2SA129	P	G	TOS	128	TO 44	40			.600A	.170W	75J	15.000B	50UA	12V	88	.600A
2SA161	P	G	SON	217	TO 17	20	15R		.010A	.050W	85J	VHFAMP	5UA	15V	6	.001A
2SA162	P	G	SON	217	TO 17	20	15R		.010A	.050W	85J	VHFAMP	5UA	15V	12	.001A
2SA163	P	G	SON	217	TO 17	20	15R		.010A	.050W	85J	VHFAMP	5UA	15V	24	.001A
2SA165	P	G	SON	217	TO 17	20	15R		.010A	.050W	85J	300.000G	5UA	15V	24	.001A
2SA166	N	G	SON	217	TO 17	20	15R		.010A	.050W	85J	VHFOSC	5UA	15V	10	
2SA175	P	G	TOS	128	TO 44	18		.5	.005A	.055W	75J	85.000B	15UA	18V	110	.001A
2SA182	P	G	SAN	120	120J	25		12.0	.100A	.100W	75J	6.000G	5UA	15V	50	.030A
2SA201	P	G	SAN	120	120J	15		10.0	.015A	.100W	75J	6.000G	15UA	15V	50	.001A
2SA202	P	G	SAN	120	120J	15		10.0	.015A	.100W	75J	6.000G	15UA	15V	55	.001A
2SA203	P	G	SAN	120	120J	15		10.0	.015A	.100W	75J	6.000G	15UA	15V	30	.001A
2SA208	P	G	HIT	210	TO 5	20	15	12.0	.400A	.120W	85J	3.000B	20UA	20V	30	10.200A
2SA209	P	G	HIT	210	TO 5	20	15	12.0	.400A	.120W	85J	5.000B	20UA	20V	60	10.200A
2SA210	P	G	HIT	210	TO 5	20	15	12.0	.400A	.120W	85J	10.000B	20UA	20V	90	10.200A

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Outline	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{leak} @	V_{cb}	Gain h_{fe} @	I_c
2SA211	-P	G	HIT	210	TO 5	18	12R	10.0	.100A	.120W	85J	4.000B	10UA	12V	50	
2SA212	P	G	HIT	210	TO 5	25	15	12.0	.100A	.120W	85J	4.000B	5UA	12V	50	
2SA217	P	G	HIT	210	TO 5	25	12	12.0	.100A	.120W	85J	14.000B	5UA	12V	50	
2SA219	P	G	SAN	120	120J	20		1.5	.015A	.070W	75J	50.000G	15UA	15V	100	.001A
2SA221	P	G	SAN	120	120J	20		1.5	.015A	.070W	75J	50.000G	15UA	15V	180	.001A
2SA222	P	G	SAN	120	120J	20		1.5	.015A	.070W	75J	50.000G	15UA	15V	120	.001A
2SA223	P	G	SAN	120	120J	20		1.5	.015A	.070W	75J	50.000G	15UA	15V	150	.001A
2SA229	P	G	TOS	217	TO 17	20		.2	.005A	.070W	85J	400.000G	10UA	20V	54	.001A
2SA230	P	G	TOS	217	TO 17	20		.2	.005A	.070W	85J	400.000G	10UA	20V	54	.001A
2SA233	-P	G	HIT	128	TO 44	20		.5	.010A	.080W	85J	90.000B	30UA	20V	50	
2SA234	P	G	HIT	128	TO 44	20		.5	.010A	.080W	85J	120.000B	30UA	20V	60	.001A
2SA235	P	G	HIT	128	TO 44	20		.5	.010A	.080W	85J	135.000B	30UA	20V	80	.001A
2SA236	P	G	TOS	128	TO 44	18		.5	.005A	.055W	75J	20.000B	12UA	18V	56	.001A
2SA237	P	G	TOS	128	TO 44	18		.5	.005A	.055W	75J	20.000B	12UA	18V	110	.001A
2SA239	P	G	TOS	217	TO 17	20		.2	.005A	.075W	85J	125.000G	10UA	12V	8	
2SA240	P	G	TOS	217	TO 17	20		.2	.005A	.075W	85J	125.000G	10UA	12V	42	
2SA241	P	G	MAT	75	TO 7	20		.4	.005A	.050W	75J	240.000G	13UA	10V		
2SA246	P	G	HIT	128	TO 44	30		.5	.030A	.100W	85J	155.000B	30UA	30V	70	
2SA247	-P	G	HIT	128	TO 44	10	10	1.2	.030A	.100W	85J	200.000B	5UA	10V	125	
2SA248	P	G	TOS	128	TO 44	40			.200A	.125W	75J	25.000B	8UA	12V	68	.200A
2SA250	-P	G	MAT	120	TO 1	100		.7	.010A	.180W	75J	50.000G	16UA	10V		
2SA276	P	G	TOS	217	TO 17	15		2.0	.030A	.075W	75J	130.000G	5UA	12V	58	.010A
2SA277	P	G	TOS	210	TO 5	18		12.0	.040A	.065W	75J	3.500B	3UA	12V	64	.024A
2SA278	P	G	TOS	210	TO 5	18		12.0	.040A	.065W	75J	11.000B	3UA	12V	84	.024A
2SA279	P	G	MAT	75	TO 7	30		.5	.030A	.250W	75J	150.000G	6UA	6V	124	
2SA282	P	G	TOS	210	TO 5	18		12.0	.200A	.150W	75J	3.800B	7UA	12V	60	.100A
2SA283	P	G	TOS	210	TO 5	18		12.0	.200A	.150W	75J	6.000B	7UA	12V	66	.100A
2SA284	P	G	TOS	210	TO 5	18		12.0	.200A	.150W	75J	10.000B	7UA	12V	76	.100A
2SA288	-P	G	HIT	75	TO 7	20		.5	.010A	.080W	85J	530.000B	30UA	20V	20	
2SA289	-P	G	HIT	75	TO 7	20		.5	.010A	.080W	85J	550.000B	30UA	20V	20	
2SA290	-P	G	HIT	75	TO 7	20		.5	.010A	.080W	85J	550.000B	30UA	20V	20	
2SA304	P	G	TOS	210	TO 5	18		12.0	.040A	.065W	75J	2.000B	4UA	12V	76	.001A
2SA305	P	G	TOS	210	TO 5	18		12.0	.040A	.065W	75J	6.000B	4UA	12V	76	.001A
2SA311	P	G	TOS	210	TO 5	40		2.0	.400A	.150W	75J	20.000B	6UA	12V	68	.400A
2SA312	P	G	TOS	210	TO 5	40		2.0	.200A	.150W	75J	25.000B	6UA	12V	68	.200A
2SA313	P	G	TOS	210	TO 5	18		.5	.020A	.060W	75J	40.000B	6UA	12V	78	.001A
2SA314	P	G	TOS	210	TO 5	18		.5	.020A	.060W	75J	40.000B	6UA	12V	78	.001A
2SA315	P	G	TOS	210	TO 5	18		.5	.020A	.060W	75J	55.000B	6UA	12V	78	.001A
2SA316	P	G	TOS	210	TO 5	18		.5	.020A	.060W	75J	75.000B	6UA	12V	78	.001A
2SA321	P	G	SAN	120	120J	20		1.5	.015A	.070W	75J	50.000G	15UA	15V	70	.001A
2SA322	P	G	SAN	120	120J	20		1.5	.015A	.070W	75J	50.000G	15UA	15V	70	.001A
2SA323	P	G	SAN	120	120J	20		1.5	.015A	.070W	75J	50.000G	15UA	15V	120	.001A
2SA324	P	G	SAN	120	120J	20		1.5	.015A	.070W	75J	50.000G	15UA	15V	70	.001A
2SA331	P	G	SAN	120	120J	20		1.5		.120W	75J	50.000G	15UA	15V	100	.001A
2SA338	P	G	MAT	105	105E	20		.5	.005A	.050W	75J	10.000B	16UA	10V	26	
2SA339	P	G	MAT	105	105E	20		.5	.005A	.050W	75J	20.000B	16UA	10V	54	
2SA340	P	G	MAT	217	TO 72	20		.5	.010A	.063W	75J	70.000B	13UA	6V	40	
2SA341	P	G	MAT	217	TO 72	20		.5	.010A	.063W	75J	70.000B	13UA	6V	40	
2SA342	P	G	MAT	217	TO 72	20		.5	.010A	.063W	75J	100.000B	13UA	6V	40	
2SA344	P	G	MAT	128	TO 44	30		.4	.030A	.120W	75J	150.000G	6UA	6V	40	
2SA350	P	G	HIT	120	TO 1	20		.5	.010A	.080W	85J	55.000B	10UA	12V	90	.001A
2SA351	P	G	HIT	120	TO 1	20		.5	.010A	.080W	85J	45.000B	10UA	12V	70	.001A
2SA352	P	G	HIT	120	TO 1	20		.5	.010A	.080W	85J	35.000B	10UA	12V	70	.001A
2SA353	P	G	HIT	120	TO 1	25		.5	.010A	.080W	85J	35.000B	10UA	12V	70	.001A
2SA353A	P	G	HIT	120	TO 1	50		1.0	.010A	.080W	85J	30.000B	10UA	12V	70	.001A
2SA354	P	G	HIT	120	TO 1	25		.5	.010A	.080W	85J	40.000B	10UA	12V	70	.001A
2SA354A	P	G	HIT	120	TO 1	50		1.0	.010A	.080W	85J	30.000B	10UA	12V	70	.001A
2SA355	P	G	HIT	120	TO 1	25		1.0	.010A	.080W	85J	45.000B	10UA	12V	90	.001A
2SA355A	P	G	HIT	120	TO 1	50		1.0	.010A	.080W	85J	30.000B	10UA	12V	70	.001A
2SA356	P	G	HIT	120	TO 1	9		.5	.010A	.080W	85J	25.000B	15UA	9V	80	
2SA357	-P	G	HIT	120	TO 1	9		.5	.010A	.080W	85J	325.000B	15UA	9V	80	
2SA358	-P	G	HIT	120	TO 1	75		1.0	.050A	.125W	85J	45.000B	12UA	12V	90	
2SA372	P	G	TOS	210	TO 18	15		2.0	.200A	.100W	75J	350.000G	10UA	12V	58	.010A
2SA377	P	G	MAT	217	TO 72	20		.4	.005A	.050W	75J	240.000G	13UA	10V	20	
2SA378	P	G	MAT	217	TO 72	20		.4	.005A	.050W	75J	300.000G	13UA	10V	20	
2SA379	P	G	MAT	217	TO 72	20		.4	.005A	.050W	75J	350.000G	13UA	10V	20	
2SA385	P	G	MAT	120	120J	20		.4	.005A	.050W	75J	350.000G	13UA	10V	20	
2SA391	-P	G	OKI	210	TO 1	16		10.0	.010A	.080W	75J	5.000G	12UA	10V	160	
2SA392	-P	G	OKI	210	TO 5	18		12.0	.200A	.150W	85J	3.000B	6UA	6V	70	
2SA393	-P	G	OKI	210	TO 5	18		12.0	.200A	.150W	85J	6.000B	6UA	6V	100	
2SA393A	-P	G	OKI	210	TO 5	19		12.0	.200A	.150W	85J	9.500B	6UA	6V	150	
2SA394	-P	G	OKI	210	TO 5	30		12.0	.200A	.200W	85J	9.500B	6UA	6V	150	
2SA395	-P	G	OKI	210	TO 5	18		12.0	.200A	.150W	85J	14.000B	6UA	6V	200	
2SA396	-P	G	OKI	210	TO 5	18		12.0	.200A	.150W	85J	19.000B	6UA	6V	300	
2SA397	-P	G	OKI	211	TO 5	15	8	15.0	.200A	.250W	85J	3.000B	20UA	12V	80	
2SA398	-P	G	OKI	211	TO 5	23	12	15.0	.200A	.250W	85J	5.000B	15UA	12V	100	
2SA399	-P	G	OKI	211	TO 5	30	15	20.0	.200A	.250W	85J	7.500B	5UA	12V	120	
2SA401	-P	G	HIT	211	TO 5	30	15	20.0	.200A	.250W	85J	10.000B	6UA	12V	70	
2SA412	P	G	HIT	128	TO 44	30		.5	.040A	.130W	85J	230.000B	30UA	30V	70	
2SA413	P	G	MAT	120	TO 1	12	12	1.0	.100A	.150W	85J	60.000G	20UA	30V	70	.030A
2SA414	P	G	MAT	218	TO 18	20		2.5	.030A	.275W	75J	300.000G	5UA	5V	100	.030A
2SA415	P	G	MAT	212	TO 5	30		20.0	.200A	.150W	85J	4.000G	3UA	5V	30	.200A
2SA416	-P	G	MAT	212	TO 5	30		20.0	.200A	.150W	85J	6.000G	3UA	5V	40	.200A
2SA422	P	G	SAN	605	TO 3	70		1.5	.700A	6.000W	75J	60.000G	1MA	60V	100	.600A
2SA431	P	G	TOS	120	120J	20		.4	.005A	.050W	85J	31.900G	30UA	20V	25	.002A
2SA432	P	G	TOS	217	TO 17	20		.2	.005A	.070W	85J	300.000G	10UA	12V	54	.001A
2SA433	P	G	TOS	217	TO 17	20		.2	.005A	.070W	85J	800.000G	10UA	20V	54	.001A
2SA435	P	G	HIT	128	TO 44	18		.5	.005A	.055W	75J	34.000G	10UA	12V	56	.001A
2SA436	P	G	HIT	280	280A	20		.5	.010A	.060W	85J	250.000G	30UA	20V	66	.003A
2SA437	P	G	HIT	280	280A	20		.5	.010A	.060W	85J	200.000G	30UA	20V	30	.003A
2SA438	P	G	HIT	280	280A	20		.5	.010A	.060W	85J	200.000G	30UA	20V	30	.003A
2SA440	P	G	SAN	280	280A	20		.5	.010A	.060W	85J	270.000G	30UA	20V	30	.003A
2SA446	P	G	TOS	79	79A	20		.4	.005A	.060W	85J	31.900G	20UA	20V	80	.002A
2SA448	N	G	SON	211	TO 5	15		2.0	.200A	.200W	75J	350.000G	10UA	12V	90	.100A
2SA450	P	G	HIT	217	TO 17	15		.5	.005A	.040W	75J	1600.000G	10UA	10V		
2SA451	P	G	HIT	210	210A	12	6	1.5	.100A	.150W	100J	300.000G	3UA	6V	48	.050A
2SA452	P	G	HIT	210	210A	12	6	1.5	.100A	.150W	100J	300.000G	3UA	6V	98	.050A
2SA465	-P	G	MAT	210	210A	12	6	1.5	.100A	.150W	100J	300.000G	3UA	6V	208	.050A
2SA468	P	G	TOS	217	217E	20		.3	.005A	.050W	75J	600.000G	13UA	10V		
2SA469	P	G	TOS	120	TO 1	18		.5	.010A	.055W	85J	45.000G	8UA	12V	130	.001A
2SA470	P	G	TOS	120	TO 1	18		.5	.010A	.055W	85J	30.000G	8UA	12V	110	.001A
2SA471-1	P	G	TOS	120	TO 1	18		.5	.010A	.055W	85J	35.000G	8UA	12V	130	.001A
2SA471-2	P	G	TOS	120	TO 1	18		.5	.010A	.055W	85J	35.000G	10UA	18V	36	.001A
2SA472-1	P	G	TOS	120	TO 1	18		.5	.010A	.055W	85J	35.000G	10UA	18V	74	.001A
2SA472-2	P	G	TOS	120	TO 1	18		.5	.010A	.085W	85J	20.000G	10UA	18V	36	.001A
2SA472-3	P	G	TOS	120	TO 1	18		.5	.010A	.085W	85J	20.000G	10UA	18V	76	.001A
2SA472-4	P	G	TOS	120	TO 1	18		.5	.010A	.085W	85J	20.000G	10UA	18V	190	.001A
2SA472-5	P	G	TOS	120	TO 1	18		.5	.010A	.085W	85J	10.000G	10UA	18V	36	.001A
2SA472-6	P	G	TOS	120	TO 1	18		.5	.010A	.085W	85J	10.000G	10UA	18V	76	.001A
				120	TO 1	18		.5	.010A	.085W	85J	10.000G	10UA	18V	190	.001A

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{rr}	V_{cs}	V_{gs}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2SA530	P	S	HIT	210	210A	50	35	.5	.100A	.200W	175J	200.000G	1UA	20V	65	.010A
2SA532	P	S	SAN	211	TO 39	75	75R	5.0	5.000A	.300W	175J	40.000G	50UA	75V	30	.010A
2SA535	P	S	SAN	211	TO 39	120	120R	5.0	.700A	.300W	175J	40.000G	100UA	120V	60	.010A
2SA536	P	S	SAN	211	TO 39	75	75R	5.0	.700A	.500W	175J	40.000G	100UA	75V	50	.010A
2SA537	P	S	HIT	211	TO 5	60	50	4.0	.700A	.750W	200J	200.000G			80	.050A
2SA537A	P	S	HIT	211	TO 5	90	80	4.0	.700A	.750W	200J	200.000G			80	.050A
2SB22	P	G	SAN	120	120K	25		12.0	.200A	.300W	85J	1.000B	15UA	20V	150	.100A
2SB25	P	G	MAT	605	TO 3	60		12.0	.001A	.025W	85J	2.000B	160UA	12V	50	.001A
2SB27	P	G	SON	605	TO 3	15	15R		.500A	5.000W	75J	.005E	800UA	15V	30	
2SB28	P	G	SON	605	TO 3	15	15R		.500A	5.000W	75J	.005E	800UA	15V	70	
2SB29	P	G	SON	605	TO 3	15	15R		.500A	5.000W	75J	.005E	800UA	15V	120	
2SB30	P	G	SON	605	TO 3	15	15R		.500A	5.000W	75J	.005E	800UA	15V	70	
2SB31	P	G	SON	605	TO 3	15	15R		.500A	5.000W	75J	.005E	800UA	15V	120	
2SB40	P	G	TOS	120	TO 1	40		12.0	.100A	.080W	75J	.700B	10UA	12V	94	.100A
2SB43	P	G	TOS	120	TO 1	25		12.0	.050A	.150W	75J	1.000B	10UA	12V	68	.050A
2SB43A	P	G	TOS	120	TO 1	45		12.0	.150A	.150W	75J	1.000B	10UA	12V	68	.050A
2SB44	P	G	TOS	120	TO 1	30		12.0	.050A	.080W	75J	.500B	10UA	12V	156	.001A
2SB47	P	G	TOS	120	TO 1	25		12.0	.050A	.080W	75J	1.000B	14UA	25V	156	.001A
2SB48	-P	G	SON	210	TO 5	16	16R		.100A	.140W	65J	1.000B	16UA	16V	40	
2SB49	-P	G	SON	210	TO 5	16	16R		.100A	.140W	65J	1.300B	16UA	16V	80	
2SB50	-P	G	SON	210	TO 5	16	16R		.100A	.140W	65J	1.600B	16UA	16V	130	
2SB51	-P	G	SON	210	TO 5	30	20R		.200A	.200W	85J	1.000B	16UA	30V	40	
2SB52	-P	G	SON	210	TO 5	30	20R		.200A	.200W	85J	1.300B	16UA	30V	80	
2SB53	-P	G	SON	210	TO 5	30	25	15.0	.250A	.200W	85J	1.300B	10UA	30V	70	
2SB54	P	G	TOS	120	TO 1	30		12.0	.150A	.080W	75J	1.000B	14UA	30V	74	.001A
2SB55	P	G	TOS	120	TO 1	60		12.0	.150A	.150W	75J	1.000B	14UA	30V	80	.050A
2SB56	P	G	TOS	120	TO 1	30		12.0	.150A	.150W	75J	1.000B	14UA	30V	80	.050A
2SB56A	P	G	TOS	120	TO 1	45		12.0	.150A	.150W	75J	1.000B	14UA	12V	80	.050A
2SB62	P	G	TOS	605	605C	60		12.0	.500A	4.000W	75J	.400B	70UA	12V	62	.500A
2SB63	P	G	TOS	605	605C	32		12.0	.500A	4.000W	75J	.400B	70UA	12V	62	.500A
2SB64	P	G	TOS	605	TO 3	100		1.0	6.000A	25.000W	75J	1.000B	330UA	12V	78	1.000A
2SB66	P	G	HIT	120	TO 1	30		12.0	.070A	.150W	85J	.500B	14UA	30V	70	
2SB67	P	G	HIT	55	55B	55	32	12.0	.150A	.185W	70J	1.000B	10UA	30V	45	
2SB67A	P	G	HIT	55	55B	60		30.0	.150A	.185W	70J	1.000B	10UA	30V	45	
2SB68	P	G	HIT	170	170B	105	105	5.0	.100A	.050W	85J	.350B	14UA	25V	50	
2SB69	P	G	TOS	605	TO 3	60		1.0	6.000A	25.000W	75J	1.000B	330UA	12V	78	1.000A
2SB73	P	G	MAT	120	TO 1	18		12.0	.040A	.065W	85J	1.000B	7UA	12V	80	.001A
2SB75	P	G	HIT	120	TO 1	25		12.0	.100A	.150W	85J	2.000B	14UA	30V	70	.001A
2SB75A	P	G	HIT	120	TO 1	45		12.0	.100A	.150W	70J	2.000B	25UA	45V	70	.001A
2SB76	P	G	HIT	120	TO 1	12		2.5	.100A	.150W	85J	2.000B	14UA	30V	70	
2SB77	P	G	MAT,HIT	120	TO 1	30		12.0	.100A	.150W	85J	1.000B	10UA	30V	80	.050A
2SB77A	P	G	MAT,HIT	120	TO 1	60		12.0	.100A	.150W	85J	1.000B	10UA	30V	80	.050A
2SB78	-P	G	HIT	120	TO 1	12		2.5	.070A	.150W	60A	AUO	14UA	30V	100	
2SB80	-P	G	HIT	605	605C	25		10.0	1.000A	4.000W	60A	AUO	400UA	25V	70	
2SB81	-P	G	HIT	605	605C	80	60	12.0	.500A	2.000W	70J		50UA	50V	70	
2SB82	-P	G	HIT	605	605C	100	60	12.0	.500A	2.000W	70J		35UA	50V	70	
2SB83	-P	G	HIT	605	TO 3	40	32S	10.0	3.000A	12.000W	80J	AUO	5MA	40V	70	
2SB84	P	G	MAT	605	TO 3	60		10.0	3.000A	40.000W	85J	AUO	500UA	30V	55	3.000A
2SB89	P	G	HIT	55	55B	25	25S	12.0	.150A	.250W	85J	AUO	16UA	30V	66	.150A
2SB89A	P	G	HIT	55	55B	45	45S	12.0	.150A	.250W	85J	AUO	50UA	45V	66	.150A
2SB94	P	G	TOS	120	TO 1	25		12.0	.050A	.150W	75J	1.000B	14UA	25V	76	.050A
2SB126	P	G	MAT	605	TO 3	32		10.0	3.500A	30.000W	90J	AUO	220UA	14V	26	3.000A
2SB127	P	G	MAT	605	TO 3	32		12.0	3.500A	30.000W	90J	AUO	220UA	14V	56	3.000A
2SB128	P	G	MAT	605	TO 3	80		40.0	6.000A	30.000W	90J	AUO	220UA	14V	28	6.000A
2SB128A	P	G	MAT	605	TO 3	120		60.0	6.000A	30.000W	90J	AUO	220UA	14V	28	6.000A
2SB129	P	G	MAT	605	TO 3	80		40.0	6.000A	30.000W	90J	AUO	220UA	14V	50	6.000A
2SB130	P	G	MAT	605	605A	32		10.0	1.500A	6.500W	75J	AUO	100UA	14V	50	.040A
2SB140	-P	G	SON	605	TO 3	40	20	12.0	1.500A	12.000W	85J	.005E	600UA	40V	74	
2SB141	-P	G	SON	605	TO 3	60	40	12.0	1.500A	12.000W	85J	.007E	600UA	60V	74	
2SB142	-P	G	SON	605	TO 3	30	30R		1.000A	10.000W	85J	.005E	1MA	30V	24	
2SB143	-P	G	SON	605	TO 3	30	30R		1.000A	10.000W	85J	.005E	1MA	30V	38	
2SB144	-P	G	SON	605	TO 3	30	30R		1.000A	10.000W	85J	.005E	1MA	30V	76	
2SB145	-P	G	SON	605	TO 3	30	30R		1.000A	10.000W	85J	.005E	1MA	30V	38	
2SB146	-P	G	SON	605	TO 3	40		30.0	8.000A	25.000W	75J	.250B	230UA	12V	76	
2SB149	P	G	TOS,MAT	120	TO 1	105		50.0	.040A	.050W	75J	.500B	50UA	105V	54	8.000A
2SB150	P	G	TOS	120	TO 1	16		2.5	.300A	.150W	85J	.700B	14UA	12V	36	.005A
2SB155	P	G	HIT	120	TO 1	16	16S	2.5	.300A	.450W	85J	AUO	14UA	12V	28	.001A
2SB156	P	G	HIT	120	TO 1	20	20S	6.0	.300A	.450W	85J	AUO	14UA	12V	70	.150A
2SB156A	P	G	HIT	105	105B	7		7.0	.005A	.010W	55J	VIOAMP	100UA	1V	70	.150A
2SB157	P	G	MAT	105	105B	7		7.0	.005A	.010W	55J	VIOAMP	100UA	1V	35	
2SB158	P	G	MAT	105	105B	7		7.0	.005A	.010W	55J	VIOAMP	100UA	1V	55	
2SB159	P	G	MAT	105	105B	7		7.0	.005A	.010W	55J	VIOAMP	100UA	1V	80	
2SB160	P	G	MAT	105	105B	7		7.0	.005A	.010W	55J	VIOAMP	120UA	2V	75	
2SB170	P	G	MAT	120	TO 1	32		10.0	.010A	.125W	75J	VIOAMP	3UA	10V	30	
2SB171	P	G	MAT	120	TO 1	32		10.0	.010A	.125W	75J	VIOAMP	3UA	10V	50	
2SB172	P	G	MAT	120	TO 1	32		10.0	.125A	.125W	75J	VIOAMP	12UA	10V	50	.002A
2SB173	P	G	MAT	120	TO 1	20		10.0	.010A	.125W	75J	VIOAMP	3UA	10V	60	
2SB175	P	G	MAT	120	TO 1	32		10.0	.010A	.125W	75J	VIOAMP	3UA	10V	100	
2SB176	P	G	MAT	120	TO 1	32		10.0	.125A	.125W	75J	VIOAMP	12UA	10V	90	.002A
2SB177	P	G	MAT	120	TO 1	60		10.0	.125A	.125W	75J	VIOAMP	12UA	10V	90	.002A
2SB178	P	G	MAT	120	120G	20		6.0	.300A	.225W	75J	VIOAMP	20UA	12V	96	.300A
2SB178A	P	G	MAT	120	120G	40		6.0	.300A	.225W	75J	VIOAMP	20UA	12V	96	.300A
2SB178B	P	G	MAT	120	120G	60		6.0	.300A	.225W	75J	VIOAMP	20UA	12V	66	.300A
2SB185	P	G	SAN	120	120J	25		12.0	.150A	.200W	85J	10.000B	15UA	20V	45	
2SB186	P	G	SAN	120	120J	25		12.0	.150A	.200W	85J	10.000B	15UA	20V	100	
2SB187	P	G	SAN	120	120J	25		12.0	.150A	.200W	85J	1.000B	15UA	20V	100	.030A
2SB188	P	G	SAN	120	120J	25		12.0	.150A	.200W	85J	10.000B	15UA	20V	100	
2SB189	P	G	TOS	120	120F	25		12.0	.250A	.250W	75J	1.000B	14UA	25V	80	.100A
2SB200	P	G	TOS	170	170K	32		12.0	.400A	.250W	75J	.500B	40UA	12V	68	.150A
2SB200A	P	G	TOS	170	170K	45		12.0	.400A	.250W	75J	.800B	40UA	12V	68	.150A
2SB201	P	G	TOS	211	TO 5	35		12.0	.400A	.300W	75J	.500B	30UA	12V	112	.150A
2SB202	P	G	TOS	170	170K	32		12.0	.400A	.250W	75J	.500B	40UA	12V	142	.150A
2SB203	P	G	SEJ	607	607A	40	30S	40.0	20.000A	80.000W	85J		5MA	40V	40	
2SB204	P	G	SEJ	607	607A	40	30S	40.0	30.000A	80.000W	85J		5MA	40V	100	
2SB205	P	G	SEJ	607	607A	80	60S		20.000A	80.000W	85J		5MA	80V	400	
2SB206	P	G	SEJ	607	607A	80	604S		30.000A	80.000W	85J		5MA	80V	100	
2SB207	P	G	SEJ	607	607A	80	604S		30.000A	80.000W	85J		5MA	100V	40	
2SB208	P	G	SEJ	607	607A	100	75S	40.0	20.000A	80.000W	85J		5MA	100V	100	
2SB209	P	G	SEJ	607	607A	100	75S	40.0	30.000A	80.000W	85J	.002E	5MA	40V	40	
2SB210	P	G	SEJ	607	607A	40	30S	40.0	20.000A	80.000W	85J	.002E	5MA	40V	100	
2SB211	P	G	SEJ	607	607A	80	60S	40.0	20.000A	80.000W	85J	.002E	5MA	80V	40	
2SB212	P	G	SEJ	607	607A	80	60S	40.0	30.000A	80.000W	85J	.002E	5MA	80V	100	
2SB213	P	G	SEJ	607	607A	100	75S	40.0	20.000A	80.000W	85J	.002E	5MA	100V	40	
2SB228	-P	G	HIT	605	TO 3	80	35	50.0	5.000A	12.000W	91J		250UA	30V	35	
2SB229	-P	G	HIT	605	TO 3	100	40	50.0	5.000A	12.000W	91J		250UA	30V	35	
2SB230	-P	G	HIT	605	TO 3	120	50	50.0	5.000A	12.000W	91J		250UA	30V	35	
2SB231	P	G	TOS	605	TO 3	120		1.0	6.000A	25.000W	75J	1.500B	330UA	12V	76	5.000A
2SB235	P	G	TOS	405	405A	80		25.0	15.000A	60.000W	85J	.300B	1MA	12V	90	15.000A
2SB236	P	G	TOS	405	405A	60		25.0	15.000A	60.000W	85J	.300B	1MA	12V	90	15.000A

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T_j(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2SB237	P	G	TOS	405	405A	36		25.0	15.000A	60.000W	85J	.300B	1MA	12V	90	15.000A
2SB257	P	G	TOS	120	TO 1	18		12.0	.040A	.060W	75J	5.000B	3UA	12V	100	.001A
2SB258	P	G	TOS	405	405A	120		1.0	15.000A	60.000W	75J	1.500B	4MA	12V	108	5.000A
2SB259	P	G	TOS	405	405A	80		1.0	15.000A	60.000W	75J	1.500B	4MA	12V	108	5.000A
2SB260	P	G	TOS	405	405A	50		1.0	15.000A	60.000W	75J	1.500B	4MA	12V	108	5.000A
2SB265	P	G	TOS	210	TO 5	40		12.0	.100A	.170W	75J	1.300B	10UA	12V	94	.100A
2SB274	-P	G	HIT	605	TO 3	120	80	1.5	6.000A	50.000W	91J	1.000B	1MA	30V	70	
2SB275	-P	G	HIT	605	TO 3	120	105	1.5	6.000A	50.000W	91J	1.000B	1MA	30V	70	
2SB276	-P	G	HIT	605	TO 3	120	105	1.5	6.000A	50.000W	91J	1.000B	1MA	30V	40	
2SB282	P	G	MAT	605	TO 3	80		40.0	6.000A	30.000W	90J	.250G	100UA	1V	30	6.000A
2SB283	P	G	MAT	605	TO 3	60		20.0	6.000A	30.000W	90J	.250G	100UA	1V	70	6.000A
2SB284	P	G	MAT	605	TO 3	60		20.0	6.000A	30.000W	90J	.250G	100UA	1V	40	6.000A
2SB285	P	G	MAT	605	TO 3	80		40.0	6.000A	30.000W	90J	.250G	100UA	1V	40	6.000A
2SB290	P	G	TOS	210	TO 5	18		12.0	.040A	.065W	75J	5.000B	4UA	12V	100	.001A
2SB291	P	G	TOS	210	TO 5	30		12.0	.150A	.150W	75J	1.000B	10UA	12V	78	.001A
2SB292	P	G	TOS	210	TO 5	30		12.0	.150A	.150W	75J	1.000B	10UA	12V	72	.050A
2SB292A	P	G	TOS	210	TO 5	60		12.0	.150A	.150W	75J	1.000B	10UA	12V	72	.050A
2SB296	P	G	TOS	605	TO 3	130		3.0	10.000A	35.000W	75J	.300B	1MA	50V	64	1.000A
2SB302	-P	G	HIT	120	TO 1	10		5.0	.002A	.020W	60A	.007B	6UA	12V	80	
2SB303	P	G	SAN	120	120J	25		12.0	.020A	.100W	85J	1.000B	15UA	20V	100	
2SB306	P	G	TOS	210	TO 5	105		50.0	.020A	.075W	75J	.900B	10UA	105V	56	.002A
2SB309	P	G	MAT	605	TO 3	75		1.0	8.000A	30.000W	90J	.017E	220UA	1V	62	1.000A
2SB309A	P	G	MAT	605	TO 3		60R	1.0	8.000A	30.000W	90J	.017E	150UA	1V	62	1.000A
2SB324	P	G	MAT	120	TO 1	32		10.0	.500A	.550W	90J	.015E	10UA	10V	100	.300A
2SB331	P	G	HIT	405	TO 36	40	25	20.0	15.000A	80.000W	100J	.350B	4MA	40V	70	
2SB332	P	G	HIT	405	TO 36	60	45	40.0	15.000A	80.000W	100J	.350B	4MA	60V	70	
2SB333	P	G	HIT	405	TO 36	80	55	40.0	15.000A	80.000W	100J	.350B	4MA	80V	60	
2SB334	P	G	HIT	405	TO 36	100	65	60.0	15.000A	80.000W	100J	.350B	4MA	100V	30	
2SB335	P	G	MAT	105	105E	20		10.0	.060A	.083W	75J	AUD	10UA	10V	60	
2SB336	P	G	MAT	105	105E	20		10.0	.060A	.083W	75J	AUD	10UA	10V	72	
2SB337	P	G	HIT	605	TO 3	40	30R	1.0	7.000A	12.000W	100J	AUD	1MA	30V	90	1.000A
2SB338	P	G	HIT	605	TO 3	60		10.0	7.000A	12.000W	91J	AUD	1MA	30V	75	
2SB339	P	G	HIT	605	TO 3	80	35	50.0	10.000A	12.000W	90J	.250B	250UA	30V	110	
2SB340	P	G	HIT	605	TO 3	100	40	50.0	10.000A	12.000W	90J	.250B	250UA	30V	50	
2SB341	P	G	HIT	605	TO 3	120	50	50.0	10.000A	12.000W	90J	.250B	250UA	30V	50	
2SB342	P	G	SAN	605	TO 3	120	120R	1.0	6.000A	30.000W	85J	1.500B			50	5.000A
2SB343	P	G	SAN	605	TO 3	150	150R	1.0	6.000A	30.000W	85J	1.500B			50	5.000A
2SB345	P	G	MAT	120	TO 1	32		10.0	.100A	.165W	75J	.017E	10UA	10V	124	
2SB346	P	G	MAT	120	TO 1	32		10.0	.100A	.165W	75J	.017E	10UA	10V	180	
2SB347	P	G	MAT	120	TO 1	32		10.0	.100A	.165W	75J	.017E	10UA	10V	124	
2SB348	P	G	MAT	120	TO 1	32		10.0	.100A	.165W	75J	.017E	10UA	10V	180	
2SB361	P	G	HIT	605	TO 3	80	40	1.0	5.000A	12.000W	90J	5.000B	500UA	40V	14	
2SB362	P	G	HIT	605	TO 3	100	40	1.0	7.000A	12.000W	90J	5.000B	500UA	40V	14	
2SB364	P	G	TOS	120	TO 1	20		12.0	.400A	.150W	75J	1.000B	14UA	20V	98	.100A
2SB365	P	G	TOS	120	TO 1	20		12.0	.400A	.150W	75J	1.000B	14UA	20V	58	.100A
2SB367	P	G	HIT	605	605B	25	20	12.0	1.000A	4.000W	85J	.500B	100UA	12V	100	.500A
2SB368	P	G	HIT	605	605B	45	35	12.0	1.000A	4.000W	85J	.500B	100UA	12V	85	.500A
2SB370	P	G	HIT	120	TO 1	25	18	6.0	.500A	.200W	85J	AUD	20UA	12V	150	.150A
2SB370A	P	G	HIT	120	TO 1	32	25	12.0	.500A	.200W	85J	AUD	20UA	12V	150	.150A
2SB371	P	G	MAT	120	TO 1	32		10.0	.200A	.165W	75J	.010E	15UA	10V	120	.050A
2SB375	P	G	SAN	605	TO 3	150	150R	1.0	9.000A	30.000W	85J	1.500B			50	8.000A
2SB376	P	G	MAT	120	120G	20		6.0	.300A	.225W	75J	AUD	20UA	12V	50	.300A
2SB377	P	G	SON	212	TO 5	32	32R		.150A	.270W	85J	1.400B	10UA	32V	120	.020A
2SB378	P	G	SON	212	TO 5	18	16R		.150A	.180W	65J	1.300B	10UA	18V	64	.020A
2SB379	P	G	SON	212	TO 5	18	16R		.150A	.180W	85J	1.500B	10UA	18V	90	.020A
2SB380	P	G	SON	212	TO 5	18	16R		.150A	.180W	85J	1.700B	10UA	18V	180	.020A
2SB381	P	G	SON	212	TO 5	32	30R		.300A	.270W	85J	1.300B	10UA	32V	44	.020A
2SB382	P	G	SON	212	TO 5	32	30R		.300A	.270W	85J	1.500B	10UA	32V	90	.020A
2SB383	P	G	SON	212	TO 5	32	30R		.500A	.270W	85J	1.500B	10UA	32V	90	.020A
2SB390	P	G	SAN	605	TO 3	80	80R	1.0	6.000A	30.000W	85J	1.500B	5MA	80V	50	5.000A
2SB391	P	G	SAN	605	TO 3	50	50R	1.0	6.000A	30.000W	85J	1.500B	5MA	50V	75	3.000A
2SB392	-P	G	OKI	210	TO 5	20	20S	13.0	.200A	.150W	85J		7UA	12V	100	
2SB393	-P	G	OKI	210	TO 5	28	20S	13.0	.200A	.150W	85J		7UA	12V	44	
2SB394	-P	G	OKI	210	TO 5	28	20S	13.0	.200A	.150W	85J		7UA	12V	90	
2SB395	-P	G	OKI	210	TO 5	28	20S	13.0	.200A	.150W	85J		7UA	12V	160	
2SB396	-P	G	OKI	210	TO 5	40	40S	13.0	.200A	.150W	85J		7UA	12V	68	
2SB400	P	G	SAN	120	120J	20		10.0	.040A	.100W	85J	1.000B	15UA	20V	120	
2SB401	P	G	MAT	212	TO 5	40		10.0	.300A	.240W	85J	.300G	10UA	10V	40	.600A
2SB402	P	G	MAT	212	TO 5	60		10.0	.300A	.240W	85J	.300G	10UA	10V	40	.600A
2SB403	P	G	MAT	212	TO 5	40		20.0	.300A	.240W	85J	.700G	10UA	10V	80	.600A
2SB405	P	G	SAN	120	120J	25			1.000A	.720W	85J	.750B	50UA	20V	120	.200A
2SB407	P	G	SAN	605	TO 3	30	30R	10.0	7.000A	30.000W	85J	.400G	500UA	30V	80	1.000A
2SB410	P	G	SAN	605	TO 3	60	360	1.0	15.000A	40.000W	85J	3.000G	250UA	30V	60	1.000A
2SB411	P	G	SAN	605	TO 3	60	360	1.0	15.000A	40.000W	85J	.250G	250UA	30V	60	1.000A
2SB413	P	G	TOS	605	605C	60		1.0	1.500A	12.500W	85J	1.000G	100UA	12V	66	.500A
2SB414	P	G	TOS	605	605C	32		1.0	1.500A	12.500W	85J	1.000G	100UA	12V	66	.500A
2SB415	P	G	TOS	120	TO 1	32		6.0	1.000A	.200W	85J	1.000B	14UA	12V	86	.300A
2SB416	-P	G	OKI	210	TO 5	25	25S	13.0	.120A	.150W	85J		10UA	12V	70	
2SB417	-P	G	OKI	210	TO 5	45	45S	13.0	.120A	.150W	85J		10UA	12V	70	
2SB418	-P	G	OKI	210	TO 5	70	70S	13.0	.120A	.150W	85J		10UA	12V	70	
2SB419	P	G	HIT	605	605B	45		1.5	1.500A	6.000W	100J	AUD	250UA	12V	100	.500A
2SB421	P	G	TOS	170	170K	80		1.0	.600A	.300W	85J	2.500B	50UA	50V	68	.150A
2SB424	P	G	TOS	605	TO 3	80		40.0	3.000A	30.000W	85J	.300B	160UA	12V	62	1.000A
2SB425	P	G	TOS	605	TO 3	60		1.2	3.000A	30.000W	85J	.300B	160UA	12V	64	1.000A
2SB426	P	G	TOS	605	TO 3	32		1.2	3.000A	30.000W	85J	.300B	160UA	12V	64	1.000A
2SB439	P	G	TOS	120	TO 1	30		12.0	.150A	.150W	75J	2.000B	14UA	12V	140	.001A
2SB440	P	G	TOS	120	TO 1	30		12.0	.150A	.150W	75J	2.000B	14UA	12V	140	.001A
2SB443	P	G	HIT	120	TO 1	18		12.0	.010A	.100W	85J	3.000B	10UA	12V	150	.001A
2SB444	P	G	HIT	120	TO 1	18		12.0	.010A	.100W	85J	3.000B	7UA	12V	160	.001A
2SB448	P	G	MAT	605	605A	32		10.0	3.000A	13.000W	90J	.015E	1MA	32V	50	1.000A
2SB449	P	G	MAT	605	TO 3	55		20.0	3.500A	22.500W	100J	.010E	3MA	14V	86	.003A
2SB459	P	G	HIT	120	TO 1	30	18R	2.5	.050A	.120W	200J	AUO	12UA	20V	180	.001A
2SB460	P	G	HIT	120	TO 1	40	25R	2.5	.050A	.120W	200J	AUD	6UA	20V	190	.001A
2SB468	P	G	HIT	605	TO 3	200		1.5	10.000A	10.000W	85J	HOROSC	500UA	30V	46	4.000A
2SB468A	P	G	HIT	605	TO 3	270		1.5	10.000A	10.000W	85J	AUD	500UA	30V	46	4.000A
2SB471	P	G	HIT	605	TO 3	60	45R	10.0	10.000A	30.000W	90J	.300B	500UA	30V	90	1.000A
2SB472	P	G	HIT	605	TO 3	80	45R	10.0	10.000A	30.000W	90J	.300B	500UA	30V	90	1.000A
2SB473	P	G	MAT	605	605F	32		6.0	1.500A	4.300W	90J	.015E	15UA	10V	80	.500A
2SB474	P	G	SAN	605	605C	35	35R	6.0	2.000A	12.000W	85J	AUO	200UA	25V	100	.200A
2SB475	P	G	MAT	120	TO 1	20		6.0	.300A	.150W	75J	AUD	20UA	12V	60	.150A
2SB481	P	G	MAT	605	605F	32		10.0	3.000A	6.000W	90J	.015E	1MA	32V	50	1.000A
2SB492	P	G	SAN	211	TO 39	25	25R	6.0	2.000A	6.000W	85J	AUO	50UA	20V	100	.200A
2SB496	P	G	HIT	120	TO 1	25	18R	2.5	.250A	.300W	85J	2.000B	14UA	12V	90	.050A
2SC13	N	G	TOS	210	TO 5	18		12.0	.040A	.065W	75J	3.500B	9UA	12V	40	.024A
2SC14	N	G	TOS	210	TO 5	18		12.0	.040A	.065W	75J	11.000B	9UA	12V	40	.024A
2SC15-0	-N	S	SON	211	211C	30	30R	5.0	.050A	.750W	175J	120.000B	1UA	30V	120	
2SC15-1	-N	S	SON	211	211C	60	55R	5.0	.050A	.750W	175J	120.000B	1UA	30V	120	
2SC15-2	-N	S	SON	211	211C	90	85R	5.0	.050A	.750W	175J	120.000B	1UA	30V	120	
2SC15-3	-N	S	SON	211	211C	120	115R	5.0	.050A	.750W	175J	120.000B	1UA	30V	120	

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{_{CB}}$	$V_{_{CE}}$	$V_{_{EB}}$	Maximum $I_{_C}$	Power	Max. T_J(°C)	Frequency Resp.(MHz)	Leakage $I_{_{CBO}}$ @ $V_{_{CB}}$		Gain $h_{_{FE}}$ @	$I_{_C}$
2SC21	N	S	TOS	605	TO 3	60		5.5	2.000A	60.000W	150J	2.000G	1MA	30V	25	1.000A
2SC34	N	G	MAT	35	35E	20		20.0	.250A	.140W	75J	3.500G	3UA	5V	28	.200A
2SC35	N	G	MAT	35	35E	20		20.0	.400A	.140W	75J	4.500G	3UA	5V	130	.200A
2SC36	N	G	MAT	35	35E	20		20.0	.400A	.140W	75J	9.000G	3UA	5V	100	.200A
2SC41	N	S	SON	605	605G	150			5.000A	50.000W	150J	10.000B	60MA	150V	50	1.000A
2SC42	-N	S	SON	605	605G	150			5.000A	50.000W	150J	8.000B	60MA	150V	80	1.000A
2SC42A	N	S	SON	605	605G	200	75	6.0	5.000A	50.000W	150J	8.000G	30UA	50V	40	1.000A
2SC43	N	S	SON	605	605G	100		6.0	5.000A	50.000W	150J	8.000B	60MA	150V	80	1.000A
2SC44	N	S	SON	605	605G	50		6.0	5.000A	50.000W	150J	8.000B	60MA	150V	28	1.000A
2SC58A	N	S	MAT	211	TO 5	135		5.0	.050A	.750W	175J	80.000G	2UA	12V	40	
2SC62	-N	S	HIT	210	210A	40	15	5.0	.050A	.360W	200J	300.000G	25NA	15V		
2SC64	N	S	SAN	211	TO 39	100		2.0	.050A	.600W	175J	100.000G	10UA	100V	35	.005A
2SC65	N	S	SAN	211	TO 39	150		2.0	.050A	.600W	175J	100.000G	10UA	150V	30	.005A
2SC66	N	S	SAN	211	TO 39	150		2.0	.050A	.600W	175J	110.000G	10UA	150V	55	.005A
2SC70	N	S	TOS	210	TO 5	180		5.0	.020A	.800W	150J	50.000G	1UA	30V	46	.010A
2SC71	N	G	TOS	210	TO 5	18		12.0	.200A	.150W	85J	5.000G	7UA	12V	100	.100A
2SC72	N	G	TOS	210	TO 5	18		12.0	.200A	.150W	85J	7.000G	7UA	12V	100	.100A
2SC73	N	G	SON	35	35B	15	15		.005A	.030W	75J	6.500B	8UA	15V	50	
2SC74	N	S	TOS	210	TO 5	30		5.0	.100A	.600W	150J	125.000G	500NA	15V	118	.010A
2SC75	N	G	SON	35	35B	15	15		.005A	.030W	75J	4.000B	8UA	15V	40	
2SC76	N	G	SON	35	35B	15	15		.005A	.030W	75J	4.000B	7UA	15V	40	
2SC77	N	G	SON	35	35B	15	15		.005A	.030W	75J	4.000B	7UA	15V	40	
2SC78	N	G	SON	35	35B	15	15		.005A	.030W	75J	15.000B	4UA	25V	50	
2SC89	N	G	HIT	210	TO 5	25	15	20.0	.400A	.120W	85J	3.000B	25UA	25V	40	.001A
2SC90	N	G	HIT	210	TO 5	25	15	20.0	.400A	.120W	85J	5.000B	25UA	25V	40	.001A
2SC91	N	G	HIT	210	TO 5	25	15	20.0	.400A	.120W	85J	10.000B	25UA	25V	40	.001A
2SC98	N	G	MAT	211	TO 18	20		5.0	.100A	.300W	175J	200.000G	10UA	20V	45	.010A
2SC99	N	G	MAT	211	TO 18	20		5.0	.100A	.300W	175J	200.000G	10UA	20V	80	.010A
2SC101	N	S	TOS	605	605C	60		5.5	2.000A	60.000W	150J	7.000G	3MA	20V	74	1.000A
2SC102	N	S	TOS	405	405A	50		5.0	7.000A	100.000W	150J	8.000G	30MA	50V	30	5.000A
2SC103A	N	S	TOS	210	TO 18	30	50		.080A	.250W	175J	120.000G	100NA	15V	80	.010A
2SC104A	N	S	TOS	210	TO 18	30		5.0	.080A	.250W	175J	100.000G	100NA	15V	80	.010A
2SC105	N	S	TOS	210	TO 18	30		5.0	.080A	.250W	175J	120.000G	5NA	15V	80	.001A
2SC106	N	S	TOS	170	TO 8	60		5.0	2.000A	15.000W	150J	30.000G	3MA	30V	20	.500A
2SC107	N	S	TOS	170	TO 8	60		5.0	1.500A	15.000W	150J	30.000G	3MA	30V	20	.500A
2SC108	N	S	TOS	210	TO 5	90		5.0	.600A	.600W	150J	100.000G	1UA	30V	40	.150A
2SC109	N	S	TOS	210	TO 5	50		5.0	.600A	.600W	150J	70.000G	1UA	30V	40	.150A
2SC112	-N	S	HIT	211	TO 5	40	20	5.0	.200A	.750W	175J	180.000B	1UA	20V	80	
2SC113	-N	S	HIT	211	TO 5	50	25	5.0	.200A	.750W	175J	180.000B	1UA	20V	80	
2SC115-1	-N	S	SON	211	211C	30	25R	5.0	.050A	.750W	175J	100.000G	3UA	30V	140	
2SC115-2	-N	S	SON	211	211C	45	45R	5.0	.050A	.750W	175J	100.000G	3UA	30V	140	
2SC115-3	-N	S	SON	211	211C	70	70R	5.0	.050A	.750W	175J	100.000G	3UA	30V	140	
2SC116	N	S	HIT	211	TO 5	50	25	5.0	.200A	.750W	175J	70.000G	1UA	20V	52	.200A
2SC117	N	S	HIT	171	TO 8	75	50	5.0	.600A	2.000W	175J	60.000G	5UA	40V	10	
2SC118	-N	S	HIT	171	TO 8	80		5.0	.600A	2.000W	175J	70.000G	5UA	40V	10	
2SC119	-N	S	HIT	171	TO 8	75		5.0	.600A	2.000W	175J	70.000G	5UA	40V	10	
2SC125	-N	S	SON	211	211C	100	100R	5.0	.050A	.750W	175J	100.000G	3UA	30V	80	
2SC126	-N	S	SON	211	211C	140	140R	5.0	.050A	.750W	175J	100.000G	3UA	30V	80	
2SC128	N	G	MAT	212	TO 5	30		20.0	.100A	.125W	75J	4.000G	3UA	5V	30	.200A
2SC129	N	G	MAT	212	TO 5	25		20.0	.100A	.125W	75J	6.000G	3UA	5V	40	.200A
2SC141	-N	S	OKI	211	TO 18	20	12	4.0	.200A	.360W	175J	150.000G	200NA	15V	40	
2SC142	-N	S	OKI	211	TO 18	30	14	5.0	.200A	.360W	175J	200.000G	100NA	15V	40	
2SC143	-N	S	OKI	211	TO 18	40	18	5.0	.200A	.360W	175J	260.000G	100NA	15V	60	
2SC144	-N	S	OKI	211	TO 18	50	25	5.0	.200A	.360W	175J	260.000G	100NA	15V	60	
2SC144A	-N	S	OKI	211	TO 18	60	30	5.0	.200A	.360W	175J	260.000G	100NA	15V	60	
2SC147A	-N	S	SON	211	211C	30	25R	5.0	1.000A	.750W	175J	100.000G	5UA	30V	70	
2SC147B	-N	S	SON	211	211C	60	40R	5.0	1.000A	.750W	175J	100.000G	5UA	30V	70	
2SC150	N	S	HIT	211	TO 5	20		5.0	.100A	.750W	175J	100.000B	1UA	20V	50	
2SC151	N	S	HIT	211	TO 5	40		5.0	.100A	.750W	175J	130.000B	1UA	20V	50	
2SC152	N	S	HIT	211	TO 5	60		5.0	.100A	.750W	175J	160.000B	1UA	20V	50	
2SC153	-N	S	HIT	211	TO 5	120		40.0	.100A	.750W	175J	350.000B	1UA	120V	40	
2SC154	N	S	HIT	211	TO 5	120	70	5.0	.100A	.750W	175J	200.000G			50	.010A
2SC154A	N	S	HIT	211	TO 5	150		5.0	.100A	.750W	175J	220.000G			50	.010A
2SC154B	N	S	HIT	211	TO 5	180		5.0	.100A	.750W	175J	220.000G			50	.010A
2SC154C	N	S	HIT	211	TO 5	200		6.0	.100A	.750W	175J	120.000G	100NA	10V	90	.025A
2SC161	N	S	TOS	605	TO 3	60		5.5	4.000A	50.000W	150J	10.000G	2MA	30V	40	3.000A
2SC162	-N	S	OKI	211	TO 5	30	14	5.0	.250A	.600W	175J	130.000G	100NA	15V	60	
2SC163	-N	S	OKI	211	TO 5	50	25	5.0	.250A	.600W	175J	260.000G	100NA	15V	70	
2SC164	-N	S	OKI	211	TO 5	60	30	5.0	.250A	.600W	175J	260.000G	100NA	15V	70	
2SC165	-N	S	OKI	211	TO 5	60	30	5.0	.300A	.900W	175J	260.000G	100NA	15V	70	
2SC166	-N	S	HIT	210	210A	30	30	5.0	.030A	.200W	175J	20.000B	100NA	12V	100	
2SC167	-N	S	HIT	210	210A	55	45	5.0	.030A	.200W	175J	20.000B	100NA	12V	75	
2SC179	N	G	HIT	120	TO 1	25	15	20.0	.200A	.120W	85J	3.000B	8UA	12V	60	
2SC180	N	G	HIT	120	TO 1	25	15	20.0	.400A	.120W	85J	5.000B	8UA	12V	70	
2SC181	N	G	HIT	120	TO 1	25	12	20.0	.400A	.120W	85J	10.000B	8UA	12V	110	
2SC191	-N	S	SON	210	TO 5	60	54R		.010A	.250W	150J	12.000B	2UA	60V	80	
2SC192	-N	S	SON	210	TO 5	60	54R		.010A	.250W	150J	2.500B	2UA	60V	80	
2SC193	-N	S	SON	210	TO 5	60	54R		.010A	.250W	150J	12.000B	2UA	60V	80	
2SC194	-N	S	SON	210	TO 5	60	54R		.010A	.250W	150J	34.000B	2UA	60V	80	
2SC195	-N	S	SON	210	TO 5	30	27R		.010A	.250W	150J	2.500B	1UA	30V	80	
2SC196	-N	S	SON	210	TO 5	30	27R		.010A	.250W	150J	12.000B	1UA	30V	80	
2SC197	-N	S	SON	210	TO 5	30	27R		.010A	.250W	150J	34.000B	1UA	30V	80	
2SC199	N	S	TOS	210	TO 5	80		15.0	.050A	.600W	175J	50.000G	100NA	15V	76	.003A
2SC260	-N	S	OKI	171	TO 8	30	25	5.0	.800A	1.500W	175J	120.000G	1UA	20V	74	
2SC261	-N	S	OKI	171	TO 8	60	40	5.0	.800A	1.500W	175J	120.000G	1UA	20V	74	
2SC262	-N	S	OKI	171	TO 8	80	50	5.0	.800A	1.500W	175J	120.000G	1UA	20V	74	
2SC263	-N	S	OKI	912	912A	15	10	4.0	.120A	.150W	150J	80.000G	400NA	9V	44	
2SC264	-N	S	OKI	912	912A	30	14	5.0	.120A	.150W	150J	200.000G	100NA	9V	50	
2SC265	-N	S	OKI	912	912A	40	18	5.0	.120A	.150W	150J	200.000G	100NA	9V	60	
2SC270	N	S	SON	605	605G	270	75	6.0	5.000A	50.000W	150J	10.000G	1MA	50V	40	2.000A
2SC281	N	S	HIT	120	TO 1	30	20	5.0	.100A	.200W	175J	80.000G	100NA	20V	186	.010A
2SC282	N	S	HIT	120	TO 1	30	20	5.0	.100A	.350W	175J	100.000G	100NA	20V	140	.010A
2SC283	N	S	HIT	120	TO 1	50	20	5.0	.100A	.350W	175J	80.000G	100NA	20V	86	.010A
2SC284	N	S	HIT	120	TO 1	70	25	5.0	.100A	.350W	75J	100.000G	100NA	20V	65	.010A
2SC291	N	S	SON	211	211C	70	40	5.0	3.000A	1.000W	175J	35.000G	3UA	30V	38	1.000A
2SC292	N	S	SON	211	211C	100	60	5.0	3.000A	1.000W	175J	35.000G	3UA	30V	70	.100A
2SC293	N	S	SON	211	211C	130	80	5.0	3.000A	1.000W	175J	35.000G	3UA	30V	70	.100A
2SC297	N	S	SON	631	631B	70	40	5.0	3.000A	10.000W	175J	35.000G	3UA	30V	38	1.000A
2SC298	N	S	SON	631	631B	100	60	5.0	3.000A	10.000W	175J	35.000G	3UA	30V	70	.100A
2SC299	N	S	SON	631	631B	130	80	5.0	3.000A	10.000W	175J	35.000G	3UA	30V	70	.100A
2SC313	N	S	HIT	280	280A	30	12	2.0	.020A	.200W	200J	600.000G	500NA	10V	40	.010A
2SC316	N	S	MAT	211	TO 18	45		5.0	.050A	.300W	175J	80.000G	10NA	10V	250	
2SC317	N	S	HIT	120	TO 1	70	50	5.0	.100A	.350W	175J	100.000G	100NA	20V	85	.010A
2SC318	N	S	SON	210	210G	50	30	5.0	.100A	.300W	175J	150.000G	200NA	25V	90	.001A
2SC321	N	S	HIT	210	210A	40	15	5.0	.200A	.360W	175J	300.000G	250NA	20V	60	.010A
2SC323	N	S	TOS	210	TO 18	40		5.0	.100A	.250W	175J	100.000G	100NA	30V	90	.010A
2SC350	N	S	HIT	120	TO 1	30	20	5.0	.100A	.200W	175J	100.000G	10NA	20V	120	.001A
2SC352	N	S	SON	211	211C	50	30	5.0	.100A	.750W	175J	100.000G	200NA	25V	90	.001A
2SC353	N	S	SON	211	211C	100	60	5.0	.100A	.750W	175J	100.000G	200NA	25V	90	.001A

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @ V_{cb}		Gain h_{fe} @ I_c	
2SC367	N	S	TOS	45	45C	40		5.0	.400A	.300W	125J	100.000B	500NA	18V	180	.100A
2SC368	N	S	TOS	210	TO 18	25		5.0	.100A	.250W	175J	100.000G	100NA	18V	350	.001A
2SC369	N	S	TOS	45	45C	25		5.0	.100A	.200W	125J	100.000G	100NA	18V	350	.001A
2SC370	N	S	TOS	45	45C	35		4.0	.100A	.200W	125J	80.000G	500NA	18V	36	.002A
2SC371	N	S	TOS	45	45C	35		4.0	.100A	.200W	125J	80.000G	500NA	18V	80	.002A
2SC372	N	S	TOS	45	45C	35		4.0	.100A	.200W	125J	80.000G	500NA	18V	140	.002A
2SC373	N	S	TOS	45	45C	35		4.0	.100A	.200W	125J	80.000G	500NA	18V	276	.002A
2SC374	N	S	TOS	45	45C	35		4.0	.100A	.200W	125J	80.000G	500NA	18V	500	.002A
2SC376	N	S	TOS	45	45C	70		4.0	.100A	.200W	125J	100.000G	1UA	18V	60	.002A
2SC382	N	S	TOS	45	45C	40		2.0	.050A	.150W	125J	250.000G	500NA	18V	60	.004A
2SC387	N	S	TOS	45	45C	20		2.0	.050A	.200W	125J	500.000G	500NA	15V	40	.008A
2SC400	N	S	TOS	210	TO 18	30		5.0	.100A	.250W	175J	100.000G	500NA	15V	118	.010A
2SC401	N	S	SON	50	50C	50	25	3.0	.100A	.100W	120J	100.000G	200NA	25V	90	.001A
2SC402	N	S	SON	50	50C	50	25	3.0	.100A	.100W	120J	100.000G	200NA	25V	90	.001A
2SC403	N	S	SON	50	50C	50	25	3.0	.100A	.100W	120J	100.000G	200NA	25V	60	.001A
2SC404	N	S	SON	50	50C	50	25	3.0	.050A	.100W	120J	100.000G	200NA	25V	90	.001A
2SC423	N	S	SAN	211	TO 39	40	20	5.0	.300A	.500W	175J	350.000G	1UA	35V	80	.020A
2SC424	N	S	SAN	211	TO 39	40	20	5.0	.300A	.200W	175J	350.000G	1UA	15V	80	.020A
2SC425	N	S	SAN	211	TO 39	20	10	5.0	.300A	.500W	175J	350.000G	1UA	15V	80	.020A
2SC426	N	S	SAN	211	TO 39	20	10	5.0	.100A	.200W	175J	350.000G	1UA	15V	80	.020A
2SC427	N	S	SAN	211	TO 18	40	20	5.0	.100A	.300W	175J	350.000G	1UA	35V	60	.020A
2SC428	N	S	SAN	211	TO 18	20	10	5.0	.100A	.300W	175J	350.000G	1UA	15V	60	.001A
2SC454	N	S	HIT	50	50A	30	30	5.0	.100A	.200W	125J	230.000G	500NA	18V	150	.002A
2SC455	N	S	HIT	50	50A	30	30	5.0	.100A	.200W	125J	230.000G	500NA	18V	46	.002A
2SC456	N	S	HIT	211	TO 5	50		1.5	.600A	.750W	175J	150.000G	1UA	12V	20	
2SC458	N	S	HIT	50	50A	30	30	5.0	.100A	.200W	125J	230.000G	500NA	18V	150	.002A
2SC459	N	S	HIT	50	50A	30		5.0	.100A	.200W	125J	230.000G	500NA	18V	110	.002A
2SC460	N	S	HIT	50	50A	30		5.0	.100A	.200W	125J	230.000G	500NA	18V	98	.002A
2SC461	N	S	HIT	50	50A	30		5.0	.100A	.200W	125J	230.000G	500NA	18V	86	.002A
2SC463	N	S	HIT	211	TO 5	35		4.0	.020A	.150W	175J	400.000G	100NA	10V	73	.002A
2SC464	N	S	HIT	280	280A	30	19	2.0	.050A	.200W	200J	600.000G	500NA	10V	40	.001A
2SC465	N	S	HIT	280	280A	30		2.0	.050A	.200W	200J	500.000G	500NA	10V	40	.001A
2SC466	N	S	HIT	280	280A	30		2.0	.050A	.200W	200J	500.000G	500NA	10V	40	.001A
2SC468	N	S	HIT	170	170J	40	15	5.0	.200A	.200W	175J	300.000G	250NA	20V	85	.010A
2SC470-3	N	S	SON	211	211C	90	70	5.0	.100A	.750W	175J	VIOAMP	1UA	25V	60	.001A
2SC470-4	N	S	SON	211	211C	120	100	5.0	.100A	.750W	175J	VIOAMP	1UA	25V	60	.001A
2SC470-5	N	S	SON	211	211C	150	130	5.0	.100A	.750W	175J	VIOAMP	1UA	25V	60	.001A
2SC470-6	N	S	SON	211	211C	180	150	5.0	.100A	.750W	175J	VIOAMP	1UA	25V	60	.001A
2SC477	N	S	MAT	217	TO 72	50		5.0	.030A	.140W	175J	230.000G	1UA	10V	85	
2SC478	N	S	MAT	211	TO 18	50		1.5	.120A	.300W	175J	150.000G	1UA	12V	20	
2SC479	N	S	HIT	211	TO 5	60	40	5.0	.600A	.650W	175J	HSSW	1UA	40V	72	.100A
2SC481	N	S	TOS	605	TO 3	60		2.0	1.000A	.600W	150J	100.000G	10UA	30V	46	.100A
2SC492	N	S	TOS	605	TO 3	110		5.0	5.000A	50.000W	150J	20.000B	10MA	50V	70	1.000A
2SC493	N	S	TOS	605	TO 3	80		5.0	5.000A	50.000W	150J	20.000B	10MA	50V	70	1.000A
2SC494	N	S	TOS	605	TO 3	50		5.0	5.000A	50.000W	150J	20.000B	10MA	50V	70	1.000A
2SC500	N	S	TOS	211	TO 5	120		5.0	.020A	.600W	150J	70.000G	1UA	30V	90	.003A
2SC502	N	S	TOS	605	TO 3	60		2.0	1.000A	.800W	150J	120.000G	10UA	30V	30	.200A
2SC503	N	S	TOS	211	TO 5	60		5.0	.600A	.800W	175J	50.000G	500NA	30V	106	.150A
2SC504	N	S	TOS	211	TO 5	40		5.0	.600A	.800W	175J	50.000G	500NA	30V	106	.150A
2SC515	N	S	TOS	605	TO 66	300		3.0	.100A	6.000W	150J	10.000G	100UA	300V	68	.050A
2SC518	N	S	TOS	605	TO 3	140		5.0	5.000A	50.000W	150J	20.000B	10MA	50V	40	5.000A
2SC520A	N	S	TOS	605	TO 3	100		5.0	7.000A	50.000W	150J	20.000B	1MA	50V	80	1.000A
2SC521A	N	S	TOS	605	TO 3	70		5.0	7.000A	50.000W	150J	20.000B	1MA	50V	80	1.000A
2SC526	N	S	MAT	211	TO 5	165		5.0	.055A	2.300W	175J	80.000G	2UA	12V	20	
2SC527	N	S	MAT	218	TO 18	35		3.0	.025A	.130W	175J	200.000G	10UA	35V	50	
2SC528	N	S	HIT	50	50A	20		5.0	.150A	.200W	125J	AUO	500NA	20V	140	.150A
2SC535	N	S	HIT	50	50B	30		4.0	.020A	.100W	125J	700.000G	500NA	10V	85	.001A
2SC536	N	S	SAN	43	43B	40	20	5.0	.100A	.150W	125J	180.000G	1UA	35V	80	.001A
2SC537	N	S	SAN	43	43B	20	10	5.0	.100A	.150W	125J	180.000G	1UA	15V	80	.001A
2SC538	N	S	MAT	211	TO 18	25		5.0	.050A	.300W	175J	80.000G	10NA	10V		
2SC538A	N	S	MAT	211	TO 18	45		5.0	.050A	.300W	175J	80.000G	10NA	10V		
2SC539	N	S	MAT	211	TO 18	25		5.0	.050A	.300W	175J	80.000G	10NA	10V		
2SC544	N	S	SAN	43	43B	40		4.0	.030A	.150W	125J	350.000G	1UA	35V	80	.001A
2SC545	N	S	SAN	43	43B	20		4.0	.030A	.150W	125J	350.000G	1UA	15V	80	.001A
2SC546	N	S	SAN	43	43B	30		4.0	.030A	.150W	125J	700.000G	1UA	25V	50	.001A
2SC562	N	S	MAT	218	TO 18	40		4.0	.025A	.130W	175J	330.000G	10UA	40V	52	
2SC563	N	S	MAT	218	TO 18	40		4.0	.025A	.145W	175J	550.000G	10UA	40V	76	
2SC581	N	S	MAT	217	TO 72	30		5.0	.030A	.140W	175J	150.000G	1UA	10V		
2SC582	N	S	MAT	605	605C	300		3.0	.100A	4.000W	175J	10.000G	100UA	300V	68	.050A
2SC583	N	S	MAT	217	TO 72	30		2.5	.020A	.180W	175J	1000.000G	1UA	15V		
2SC585	N	S	MAT	540	TO 60	65		4.0	3.000A	20.000W	150J	250.000G	12UA	12V	30	.200A
2SC586	N	S	MAT	605	TO 3	150		6.0	5.000A	50.000W	175J	AUO	15MA	150V	33	5.000A
2SC587	N	S	MAT	211	211A	45		5.0	.030A	.300W	175J	50.000G	10UA	45V	300	.002A
2SC587A	N	S	MAT	211	211A	45		5.0	.030A	.300W	175J	50.000G	10UA		300	.003A
2SC589	N	S	MAT	211	TO 5	165		5.0	.030A	.165W	175J	90.000G	2UA		40	.003A
2SC593	N	S	MAT	217	TO 72	50		5.0	.030A	.750W	175J	150.000G	1UA		100	.001A
2SC597	N	S	MAT	211	TO 5	65		4.0	1.000A	6.000W	175J	300.000G			30	.100A
2SC598	N	S	MAT	540	TO 60	65		4.0	1.500A	20.000W	175J	300.000G	12UA		30	.100A
2SC600	N	S	MAT	540	TO 60	65		4.0	3.000A	20.000W	175J	250.000G	12UA		30	.200A
2SC601	N	S	MAT	211	211A	40		5.0	.100A	.300W	175J	500.000G	100NA		80	.010A
2SC608	N	S	HIT	630	630A	75		4.0	1.000A	1.000W	175J	50.000G	5UA	40V	40	.100A
2SC609	N	S	HIT	630	630A	75		4.0	1.000A	1.000W	175J	50.000G	5UA	40V	40	.100A
2SC611	N	S	MAT	217	TO 72	20		3.0	.020A	.200W	150J	600.000G	1UA		80	.002A
2SC612	N	S	MAT	217	TO 72	35		2.0	.020A	.180W	175J	1000.000G	1UA		80	.002A
2SC614	N	S	SAN	211	TO 39	80	60	4.0	1.500A	7.500W	85J	200.000G	100UA	40V	80	.250A
2SC615	N	S	SAN	211	TO 39	30	20	4.0	1.500A	7.500W	175J	200.000G	100UA	10V	100	.250A
2SC616	N	S	SAN	170	TO 8	80	60	4.0	1.500A	13.000W	175J	200.000G	100UA	40V	80	.250A
2SC617	N	S	SAN	170	TO 8	30	20	4.0	1.500A	13.000W	175J	200.000G	100UA	10V	100	.250A
2SC641	N	S	HIT	50	50B	40	15	5.0	.100A	.100W	125J	200.000G	250NA	20V	90	.010A
2SC645	N	S	MAT	80	80A	30		5.0	.030A	.140W	150J	150.000G	1UA	10V	100	.001A
2SC649	N	S	HIT	120	TO 1	30		6.0	.030A	.200W	175J	220.000G	100NA	20V	110	.001A
2SC650	N	S	HIT	120	TO 1	30		6.0	.030A	.200W	175J	220.000G	100NA	20V	240	.001A
2SC664	N	S	HIT	605	TO 3	100		5.0	5.000A	50.000W	150J	AUO			86	5.000A
2SC665	N	S	HIT	605	TO 3	125		5.0	5.000A	50.000W	150J	AUO			86	5.000A
2SC666	N	S	HIT	605	TO 3	150		5.0	5.000A	50.000W	150J	AUO			86	5.000A
2SC667	N	S	SAN	43	43B	15		4.0	.030A	.150W	125J	600.000G	1UA	10V	60	.001A
2SC668	N	S	SAN	43	43B	15		4.0	.030A	.150W	125J	600.000G	1UA	10V	50	.001A
2SC674	N	S	SAN	43	43B	15		4.0	.030A	.150W	125J	700.000G	1UA	10V	50	.001A
2SC679	N	S	HIT	605	TO 66	300		6.0	2.000A	30.000W	175J	AUO			50	.020A
2SC680	N	S	HIT	605	TO 66	200		6.0	2.000A	12.500W	175J	AUO			180	.200A
2SC680A	N	S	HIT	605	TO 66	200		6.0	2.000A	12.500W	150J	AUO	5MA	5V	180	.200A
2SC681	N	S	HIT	605	TO 3	300		5.0	6.000A	50.000W	150J	HOROSC	1MA	30V	30	4.000A
2SC681A	N	S	HIT	605	TO 3	300		5.0	6.000A	50.000W	150J	AUO	1MA	30V	30	4.000A
2SC682	N	S	HIT	280	280A	20		3.0	.030A	.200W	200J	550.000G	100NA	10V	60	.002A
2SC683	N	S	HIT	280	280A	20		3.0	.030A	.200W	200J	550.000G	100NA	10V	60	.002A
2SC684	N	S	HIT	50	50B	30	20	2.0	.050A	.200W	125J	600.000G	500NA	10V	40	.010A
2SC685	N	S	HIT	605	TO 66	300	300X	3.0	.100A	4.000W	150J	25.000G			60	.050A
2SC685A	N	S	HIT	605	TO 66	300		4.0	.100A	6.500W	150J	AUO	100UA	4V	68	.050A
2SC687	N	S	MAT	605	TO 3	150		6.0	5.000A	50.000W	175J	HORAMP	15MA	150V	33	5.000A

Transistor Type No.	N, G / P S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
2SC689	N S	HIT	210	210A	40	15	5.0	.100A	.300W	175J	600.000G	250NA	20V	60	.010A
2SC693	N S	SAN	43	43B	40		4.0	.100A	.100W	125J	200.000G	1UA	35V	240	.001A
2SC694	N S	SAN	43	43B	40		4.0	.100A	.100W	125J	200.000G	1UA	35V	200	.001A
2SC696	N S	MAT	211	TO 5	100		5.0	1.000A	.750W	175J	35.000G	3UA	30V	73	.100A
2SC696A	N S	MAT	211	TO 5	130		5.0	1.000A	.750W	175J	35.000G	3UA	30V	73	.100A
2SC697	N S	MAT	630	630A	100		5.0	1.000A	10.000W	175J	35.000G	3UA	30V	73	.100A
2SC697A	N S	MAT	630	630A	130		5.0	1.000A	10.000W	175J	35.000G	3UA	30V	73	.100A
2SC705	N S	SAN	43	43B	15	12	4.0	.030A	.120W	125J	800.000G	1UA	10V		.001A
2SC707	N S	HIT	280	280A	20		3.0	.020A	.150W	175J	550.000G	100NA	10V	80	.002A
2SC708	N S	HIT	211	TO 5	60	50	4.0	1.000A	.750W	150J	200.000G			80	.050A
2SC708A	N S	HIT	211	TO 5	90	80	4.0	1.000A	.750W	150J	200.000G			80	.050A
2SC715	N S	SAN	43	43B	40	20	5.0	.100A	.120W	125J	150.000G	1UA	35V	80	.001A
2SC716	N S	SAN	43	43B	20	20	5.0	.100A	.120W	125J	150.000G	1UA	15V	80	.001A
2SC717	N S	HIT	50	50A	30		2.0	.050A	.200W	125J	1100.000G	500NA	10V	30	.001A
2SC761	N S	MAT	217	TO 72	30		3.0	.020A	.130W	175J	675.000G			45	.002A
2SC762	N S	MAT	217	TO 72	30		3.0	.020A	.130W	175J	600.000G			45	.002A
2SC772	N S	SAN	43	43B	15		4.0	.030A	.120W	125J	300.000G	1UA	10V	50	
2SC830	N S	HIT	605	TO 66	50		4.0	3.000A	25.000W	150J	AUD			65	.100A
2SC856	N S	HIT	120	TO 1	150		5.0	.050A	.300W	175J	150.000G	100NA	20V	105	.010A
2SC861	N S	HIT	605	TO 3	400		5.0	1.000A	50.000W	150J	AUD	10UA	30V	120	1.000A
2SC862	N S	HIT	605	TO 3	500		5.0	6.000A	50.000W	150J	HORAMP	10UA	30V		
2S012	N S	MAT	605	TO 3	75		4.0	2.500A	60.000W	150J	AUD	10MA	75V	50	1.000A
2S013	N S	MAT	405	TO 67	35		4.0	10.000A	100.000W	150J	AUD	40MA	35V	25	10.000A
2SD14	N S	MAT	405	TO 67	75		4.0	10.000A	100.000W	150J	AUD	45MA	45V	25	10.000A
2SD24	N S	SAN	622	622A	300	300R	2.0	.100A	4.000W	110J	25.000G	2MA	100V	60	.050A
2SD30	N G	SAN	120	120K	25		12.0	.200A	.300W	85J	1.000B	15UA	20V	150	.100A
2SD31	N G	MAT	120	TO 1	25		10.0	.125A	.125W	75J	AUD	12UA	10V	50	.002A
2SD32	N G	MAT	120	TO 1	25		10.0	.125A	.125W	75J	AUD	12UA	10V	90	.002A
2SD35	N G	MAT	105	105E	20		10.0	.060A	.083W	75J	AUD	10UA	10V	72	
2SD36	N G	MAT	105	105E	20		10.0	.060A	.083W	75J	AUD	10UA	10V	72	
2SD43	N G	TOS	120	TO 1	25		12.0	.050A	.110W	75J	1.000B	14UA	12V	68	.050A
2S043A	N G	TOS	120	TO 1	45		12.0	.150A	.110W	75J	1.000B	14UA	12V	68	.050A
2SD44	N G	TOS	120	TO 1	30		12.0	.050A	.080W	75J	.500B	14UA	12V	70	.001A
2SD45	N S	SON	605	605G	150	100	6.0	5.000A	50.000W	150J	AUD			48	1.000A
2SD46	N S	SON	605	605G	150	75	6.0	5.000A	50.000W	150J	AUD			48	1.000A
2SD47	N S	SON	605	605G	100	50	6.0	5.000A	50.000W	150J	AUD			48	1.000A
2SD61	N G	SON	210	210H	30	12	10.0	.100A	.120W	75J	.600B	20UA	40V	50	.020A
2SD62	N G	SON	210	210H	30	12	10.0	.100A	.120W	75J	.600B	20UA	40V	50	.020A
2SD63	N G	SON	210	210H	25	10		.100A	.120W	75J	.600B	10UA	25V	50	.020A
2SD64	N G	SON	210	210H	25	20R		.100A	.120W	60J	.600B	15UA	25V	100	.020A
2SD65	N G	SON	210	210H	25	10		.100A	.120W	75J	.600B	15UA	25V	50	.020A
2SD66	N G	SON	210	210H	25	10		.100A	.120W	75J	.500B	15UA	25V	30	.020A
2SD67	N S	SAN	605	TO 3	120	120R	5.0	5.000A	50.000W	150J	40.000G	10MA	120V	60	1.000A
2SD68	N S	SAN	605	TO 3	120	120R	5.0	5.000A	50.000W	150J	40.000G	10MA	60V	60	1.000A
2SD72	N G	SAN	120	120J	25		6.0	.600A	.720W	85J	.750B	50UA	20V	120	.200A
2SD75	N G	HIT	120	TO 1	25	25S	12.0	.100A	.150W	85J	4.000B	14UA	25V	40	.001A
2SD75A	N G	HIT	120	TO 1	45		12.0	.100A	.150W	85J	4.000B	25UA	45V	40	.001A
2SD77	N G	HIT	120	TO 1	25		12.0	.070A	.100W	85J	AUD	14UA	2V	70	
2SD77A	N G	HIT	120	TO 1	45		12.0	.100A	.150W	85J	AUD	25UA	45V	86	.050A
2SD96	N G	HIT	120	TO 1	25	18R	2.5	.250A	.300W	85J	4.000B	14UA	12V	90	.050A
2SD100	N G	TOS	170	170K	32		12.0	.400A	.250W	85J	1.500B	40UA	12V	68	.150A
2SD100A	N G	TOS	170	170K	45		12.0	.400A	.250W	85J	1.500B	40UA	12V	68	.150A
2SO101	N G	TOS	170	170K	80		6.0	.600A	.250W	75J	2.000B	50UA	50V	68	.150A
2SD104	N G	TOS	120	TO 1	20		6.0	.400A	.150W	75J	2.800B	14UA	20V	98	.100A
2SD105	N G	TOS	120	TO 1	20		6.0	.400A	.150W	75J	2.800B	14UA	20V	56	.100A
2SO120	N S	HIT	211	TO 5	60	40	12.0	1.500A	1.000W	175J	.800B	10UA	30V	60	.200A
2SO121	N S	HIT	211	TO 5	100	55	12.0	1.500A	1.000W	175J	.800B	10UA	30V	60	.200A
2SD122	N S	HIT	171	TO 8	60	40	12.0	3.000A	15.000W	175J	.600B	15UA	30V	48	.750A
2SD123	N S	HIT	171	TO 8	100	55	12.0	3.000A	15.000W	175J	.600B	15UA	30V	48	.750A
2SO124	-N S	HIT	605	TO 3	60	40	10.0	6.000A	60.000W	175J	.500B	25UA	25V	30	
2SD124A	N S	HIT	605	TO 3	75	50	10.0	7.000A	60.000W	175J	1.000G	25UA	30V	40	1.500A
2SD125	-N S	HIT	605	TO 3	100	55	10.0	6.000A	60.000W	175J	.500B	25UA	25V	30	
2SD125A	N S	HIT	605	TO 3	100		10.0	8.000A	60.000W	175J	AUD	25UA	30V	50	.002A
2SD126	N S	HIT	605	TO 3	150		5.0	8.000A	60.000W	175J	AUD	25UA	30V	50	.002A
2SD127	N G	SON	120	TO 1	23	20R		.500A	.250W	85J	2.000B	15UA	15V	70	.020A
2SD127A	N G	SON	120	TO 1	23	20R		.500A	.250W	85J	2.000B	15UA	15V	82	.020A
2SD128	N G	SON	120	TO 1	32	30R		.500A	.250W	85J	2.000B	15UA	15V	82	.020A
2SD128A	N G	SON	120	TO 1	32	30R		.500A	.250W	85J	2.000B	15UA	15V	82	.020A
2SD134	N G	SON	35	35B	60	60R	3.0	.005A	.030W	65J		8UA	15V	40	.003A
2SD178	N G	MAT	120	120G	20		6.0	.300A	.225W	75J	AUD	27UA	6V	95	.300A
2SD178A	N G	MAT	120	120G	40		6.0	.300A	.225W	75J	AUD	27UA	6V	95	.300A
2SD178B	N G	MAT	120	120G	60		6.0	.300A	.225W	75J	AUD	27UA	6V	95	.300A
2SD186	N G	SAN	120	120J	25		12.0	.150A	.200W	85J	1.000B	15UA	20V	100	
2SD187	N G	SAN	120	120J	25		12.0	.150A	.200W	85J	.100B	15UA	20V	100	.030A
2SD191	N G	TOS	210	TO 5	30		12.0	.150A	.150W	75J	1.000B	14UA	12V	78	.001A
2SD192	N G	TOS	210	TO 5	30		12.0	.150A	.150W	75J	1.000B	14UA	12V	72	.050A
2SD193	N G	TOS	211	TO 5	35		12.0	.400A	.250W	75J	.200B	35UA	12V	98	.150A
2SD194	N G	TOS	211	TO 5	32		12.0	.400A	.250W	75J	.200B	40UA	12V	78	.150A
2T15		SEE 2SB50													
2T64		SEE 2SD64													
2T65		SEE 2SD65													
2T66		SEE 2SD66													
2T69		SEE 2SD63													
2T73		SEE 2SC73													
2T75		SEE 2SC75													
2T76		SEE 2SC76													
2T77		SEE 2SC77													
2T78		SEE 2SC78													
2T83		SEE 2SB53													
2T201		SEE 2SA121,2,3													
2T203		SEE 2SA124													
2T205A		SEE 2SA125													
2T311		SEE 2SB48													
2T312		SEE 2SB48													
2T313		SEE 2SB49													
2T314		SEE 2SB49													
2T321		SEE 2SB51													
2T322		SEE 2SB51													
2T323		SEE 2SB52													
2T324		SEE 2SB52													
2T681		SEE 2SD61													
2T682		SEE 2SD62													
2T3011		SEE 2SB140													
2T3021		SEE 2SB141													
2T3030		SEE 2SB142													
2T3031		SEE 2SB143													
2T3032		SEE 2SB143,4													
2T3033		SEE 2SB144													
2T3041		SEE 2SB145													

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Outline	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T_J(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @ V_{CB}		Gain h_{FE} @ I_C	
2T3042			SEE 2SB145,6													
2T3043			SEE 2SB146													
3TE110			SEE 2N4131													
3TE120			SEE 2N4130													
3TE245	-N	S	ITT	543	TO 60	70	70	4.0	1.000A	23.000W	200J	400.000G	500UA	65V	30	.500A
3TE350	-N	S	ITT	632	TO 37	70	40	4.0	.500A	7.500W	200J	350.000G	100UA	70V	30	.500A
3TE440	-N	S	ITT	960	960A	80	80	4.0	1.500A	25.000W	200J	350.000G	100UA	70V	26	.500A
3TE450	-N	S	ITT	960	960A	80	80	4.0	.500A	7.500W	200J	350.000G	100UA	70V	30	.500A
4C28	N	S	GEC	210	TO 5	40	30	2.0	.025A	.150W	125J	12.000B	2UA	30V	12	
4C29	N	S	GEC	210	TO 5	40	30	2.0	.625A	.150W	125J	12.000B	2UA	30V	12	
4C30	N	S	GEC	210	TO 5	40	30	2.0	.025A	.150W	125J	12.000B	2UA	30V	44	
4C31	N	S	GEC	210	TO 5	40	30	2.0	.025A	.150W	125J	12.000B	2UA	30V	80	
4C43	N	S	GEC	210	TO 5	80		1.0	.060A	.600W	125J		2UA	50V	20	
4D20	-N	S	GEC	210	TO 5	40	24	1.5	.025A	.125W	150J		1UA	15V	32	
4D21	-N	S	GEC	210	TO 5	40	24	1.5	.025A	.125W	150J		1UA	15V	88	
4D22			SEE 2N2349													
4D24	-N	S	GEC	210	TO 5	15	15	1.0	.025A	.125W	125J		1UA	12V	32	
4D25	-N	S	GEC	210	TO 5	15	15	1.0	.025A	.125W	125J		1UA	12V	88	
4D26	-N	S	GEC	210	TO 5	15	15	1.0	.025A	.600W	125J		1UA	12V	180	
7A30	N	S	GEC	210	TO 5	50	50	5.0		1.000W	150J	8.000B	10UA	30V	24	
7A31	N	S	GEC	210	TO 5	50	50	5.0		1.000W	150J	8.000B	10UA	30V	60	
7A32	N	S	GEC	210	TO 5	50	50	5.0		1.000W	150J	8.000B	10UA	30V	130	
7B1	N	S	GEC	635	635B	80	60	10.0		15.000W	175J	12.000B	50UA	80V	24	
7B2	N	S	GEC	635	635B	80	60	10.0		15.000W	175J	12.000B	50UA	80V	60	
7C1	N	S	GEC	670	670A	80	60	10.0		15.000W	175J	12.000B	50UA	80V	24	
7C2	N	S	GEC	670	670A	80	60	10.0		15.000W	175J	12.000B	50UA	80V	60	
7C3	N	S	GEC	670	670A	120	100	10.0		15.000W	175J	12.000B	50UA	120V	24	
7D1	N	S	GEC	676	676A	80	60	10.0		15.000W	175J	12.000B	50UA	80V	24	
7D2	N	S	GEC	676	676A	80	60	10.0		15.000W	175J	12.000B	50UA	80V	60	
7D3	N	S	GEC	676	676A	120	100	10.0		15.000W	175J	12.000B	50UA	120V	24	
7E1	-N	S	GEC	680	680A	80	60	10.0		15.000W	175J	12.000B	50UA	80V	24	
7E2	-N	S	GEC	680	680A	80	60	10.0		15.000W	175J	12.000B	50UA	80V	60	
7E3	-N	S	GEC	680	680A	120	100	10.0		15.000W	175J	12.000B	50UA	120V	24	
7F1	N	S	GEC	530	530B	80	60	10.0		7.000W	175J	12.000B	50UA	80V	24	
7F2	N	S	GEC	530	530B	80	60	10.0		15.000W	175J	12.000B	50UA	80V	60	
7F3	N	S	GEC	530	530B	120	100	10.0		15.000W	175J	12.000B	50UA	120V	24	
7F4	N	S	GEC	530	530B	120	100	10.0		7.000W	175A	20.000B	50UA	120V	60	
7G1	N	S	GEC	530	530A	80	60	10.0		15.000W	175J	12.000B	50UA	80V	24	
7G2	N	S	GEC	530	530A	80	60	10.0		15.000W	175J	12.000B	50UA	80V	60	
7G3	N	S	GEC	530	530A	120	100	10.0		15.000W	175J	12.000B	50UA	120V	24	
7G4	N	S	GEC	530	530A	120	100	10.0		15.000W	175A	20.000B	50UA	120V	60	
10B551-2	-N	S	GEC	785	785A	40	15	5.0		.100W	125J	300.000G	50NA	15V	60	.010A
10B551-3	-N	S	GEC	786	786A	40	15	5.0		.100W	125J	300.000G	50NA	15V	60	.010A
10B553-2	-N	S	GEC	785	785A	40	15	5.0		.100W	125J	200.000G	500NA	15V	60	.010A
10B553-3	-N	S	GEC	786	786A	40	15	5.0		.100W	125J	200.000G	500NA	15V	60	.010A
10B555-2	-N	S	GEC	785	785A	25	20R	3.0		.100W	125J	200.000G	500NA	15V	40	.010A
10B555-3	-N	S	GEC	786	786A	25	20R	3.0		.100W	125J	200.000G	500NA	15V	40	.010A
10B556-2	-N	S	GEC	785	785A	25	15	5.0		.100W	125J	200.000G	500NA	15V	36	.010A
10B556-3	-N	S	GEC	786	786A	25	15	5.0		.100W	125J	200.000G	500NA	15V	36	.010A
10C573-2	-N	S	GEC	785	785A	45	45			.100W	125J	200.000G	200NA	30V	62	.001A
10C573-3	-N	S	GEC	786	786A	45	45			.100W	125J	200.000G	200NA	30V	62	.001A
10C574-2	-N	S	GEC	785	785A	45	45			.100W	125J	200.000G	200NA	30V	160	.001A
10C574-3	-N	S	GEC	786	786A	45	45			.100W	125J	200.000G	200NA	30V	160	.001A
11B551-2	-N	S	GEC	785	785A	60	28	5.0		.100W	125J	40.000G	500NA	30V	36	.010A
11B551-3	-N	S	GEC	786	786A	60	28	5.0		.100W	125J	40.000G	500NA	30V	36	.010A
11B552-2	-N	S	GEC	785	785A	60	28	5.0		.100W	125J	50.000G	500NA	30V	70	.010A
11B552-3	-N	S	GEC	786	786A	60	28	5.0		.100W	125J	50.000G	500NA	30V	70	.010A
11B554-2	-N	S	GEC	785	785A	60	28	7.0		.100W	125J	60.000G	25NA	40V	70	.010A
11B554-3	-N	S	GEC	786	786A	60	20	7.0		.100W	125J	60.000G	25NA	40V	70	.010A
11B555-2	-N	S	GEC	785	785A	60	28	7.0		.100W	125J	60.000G	25NA	40V	176	.010A
11B555-3	-N	S	GEC	786	786A	60	28	7.0		.100W	125J	60.000G	25NA	40V	176	.010A
11B556-2	-N	S	GEC	785	785A	100	80	7.0		.100W	125J	50.000G	25NA	40V	70	.010A
11B556-3	-N	S	GEC	786	786A	100	80	7.0		.100W	125J	50.000G	25NA	40V	70	.010A
11B560-2	-N	S	GEC	785	785A	100	60	5.0		.100W	125J	50.000G	500NA	30V	70	.010A
11B560-3	-N	S	GEC	786	786A	100	60	5.0		.100W	125J	50.000G	500NA	30V	70	.010A
11C1B1	-N	S	GEC	635	635B	60	40	5.0	1.000A	5.000W	200J	50.000G	10NA	30V	176	.150A
11C1F1	-N	S	GEC	530	530B	60	40	5.0	1.000A	3.100W	200J	50.000G	10NA	30V	176	.150A
11C3B1	-N	S	GEC	635	635B	80	50	8.0	1.000A	5.000W	200J	50.000G	10NA	60V	70	.150A
11C3F1	-N	S	GEC	530	530B	80	50	7.0	1.000A	3.100W	200J	50.000G	10NA	60V	70	.150A
11C5B1	-N	S	GEC	635	635B	60	40	5.0	1.000A	5.000W	200J	50.000G	10NA	30V	36	.150A
11C5F1	-N	S	GEC	530	530B	60	40	5.0	1.000A	3.100W	200J	50.000G	10NA	30V	36	.150A
11C7B1	-N	S	GEC	635	635B	45	25	5.0	1.000A	5.000W	200J	50.000G	10NA	30V	40	.150A
11C7F1	-N	S	GEC	530	530B	45	25	5.0	1.000A	3.100W	200J	50.000G	10NA	30V	40	.150A
11C10B1	-N	S	GEC	635	635B	120	80	7.0	1.000A	5.000W	200J	50.000G	10NA	60V	70	.150A
11C10F1	-N	S	GEC	530	530B	120	80	7.0	1.000A	3.100W	200J	50.000G	10NA	60V	70	.150A
11C11B1	-N	S	GEC	211	TO 46	60	40	5.0	1.000A	5.000W	200A	50.000G	10NA	30V	80	
11C11B20	-N	S	GEC	211	TO 46	60	40	5.0	1.000A	5.000W	200A	50.000G	10NA	30V	80	
11C11F1	-N	S	GEC	530	530B	60	40	5.0	1.000A	3.100W	200J	50.000G	10NA	30V	70	.150A
11C201B20	-N	S	GEC	612	612A	60	40	5.0	1.000A	5.000W	200J	50.000G	10NA	30V	176	.150A
11C203B20	-N	S	GEC	612	612A	80	50	8.0	1.000A	5.000W	200J	50.000G	10NA	60V	70	.150A
11C205B20	-N	S	GEC	612	612A	60	40	5.0	1.000A	5.000W	200J	50.000G	10NA	30V	36	.150A
11C207B20	-N	S	GEC	612	612A	45	25	5.0	1.000A	5.000W	200J	50.000G	10NA	30V	40	.150A
11C210B20	-N	S	GEC	612	612A	120	80	7.0	1.000A	5.000W	200J	50.000G	10NA	60V	70	.150A
11C551-2	-N	S	GEC	785	785A	60	40	5.0		.100W	125J	50.000G	25NA	30V	176	.010A
11C551-3	-N	S	GEC	786	786A	60	40	5.0		.100W	125J	50.000G	25NA	30V	176	.010A
11C553-2	-N	S	GEC	785	785A	60	40	7.0		.100W	125J	50.000G	25NA	30V	70	.010A
11C553-3	-N	S	GEC	786	786A	60	40	7.0		.100W	125J	50.000G	25NA	30V	70	.010A
11C557-2	-N	S	GEC	785	785A	45	25	5.0		.100W	125J	50.000G	50NA	30V	68	.010A
11C557-3	-N	S	GEC	786	786A	45	25	5.0		.100W	125J	50.000G	50NA	30V	68	.010A
11C702	-N	S	GEC	909	TO 50	60	40	5.0	1.000A	.300W	175J	50.000G	10NA	30V	180	.150A
11C704	-N	S	GEC	909	TO 50	80	50	8.0	1.000A	.300W	175J	50.000G	10NA	60V	70	.150A
11C710	-N	S	GEC	909	TO 50	120	80	7.0	1.000A	.300W	175J	50.000G	10NA	60V	70	.150A
11C1536	-N	S	GEC	211	TO 5	50	30	6.0	1.000A	.800W	200J	50.000G	50NA	30V	80	.150A
16A1			SEE 2N2711													
16A2			SEE 2N2712													
16A667-GRN	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	342	.002A
16A667-ORG	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	136	.002A
16A667-RED	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	82	.002A
16A667-YEL	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	226	.002A
16A668-GRN	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	342	.002A
16A668-ORG	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	136	.002A
16A668-YEL	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	226	.002A
16A669-GRN	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	342	.002A
16A669-YEL	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	226	.002A
16B1			SEE 2N2713													
16B2			SEE 2N2714													
16B670-GRN	-N	S	GEC	45	TO 98	18	18	5.0	.200A	.200W	100J		500NA	18V	360	
16B670-RED	-N	S	GEC	45	TO 98	18	18	5.0	.200A	.200W	100J		500NA	18V	60	
16B670-YEL	-N	S	GEC	45	TO 98	18	18	5.0	.200A	.200W	100J		500NA	18V	150	

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{(...)B}$	$V_{(...)}$	V_{EB}	Maximum I_C	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{(...)}$ @	$V_{(...)}$	Gain h_{FE} @	I_C
16G2			SEE 2N3663													
16J1			SEE 2N3605													
16J2			SEE 2N3606													
16J3			SEE 2N3607													
16K1	-N	S	GEC	45	TO 98	30	30	4.0	.025A	.200W	100J	315.000G	500NA	20V	60	.005A
16K2	-N	S	GEC	45	TO 98	30	30	4.0	.025A	.200W	100J	315.000G	500NA	20V	60	.005A
16K3	-N	S	GEC	45	TO 98	30	30	4.0	.025A	.200W	100J	315.000G	500NA	20V	60	.005A
16L2	-N	S	GEC	45	TO 98	30	30	4.0	.100A	.200W	100J	80.000G	500NA	18V	30	
16L3	-N	S	GEC	45	TO 98	30	30	4.0	.100A	.200W	100J	86.000G	500NA	18V	54	
16L4	-N	S	GEC	45	TO 98	30	30	4.0	.100A	.200W	100J	112.000G	500NA	18V	90	
16L5	-N	S	GEC	45	TO 98	30	30	4.0	.100A	.200W	100J	412.400G	500NA	18V	10	
16L22	-N	S	GEC	45	TO 98	30	30	4.0	.100A	.200W	100J	80.000G	500NA	18V	30	
16L23	-N	S	GEC	45	TO 98	30	30	4.0	.100A	.200W	100J	86.000G	500NA	18V	54	
16L24	-N	S	GEC	45	TO 98	30	30	4.0	.100A	.200W	100J	112.000G	500NA	18V	90	
16L25	-N	S	GEC	45	TO 98	30	30	4.0	.100A	.200W	100J	124.000G	500NA	18V	104	
16L42	-N	S	GEC	45	TO 98	18	18	4.0	.100A	.200W	100J	80.000G	500NA	18V	30	
16L43			SEE 2N3854													
16L44			SEE 2N3855													
16L45			SEE 2N3856													
16L62	-N	S	GEC	45	TO 98	30	30	4.0	.100A	.200W	100J	80.000G	500NA	18V	30	
16L63			SEE 2N3854A													
16L64			SEE 2N3855A													
16L65			SEE 2N3856A													
16X1			SEE 2N3877A													
16X2			SEE 2N3877													
71T2	N	S	SES	635	635B	80		5.0		15.000W	175J	30.000G	50UA	60V	52	1.000A
72T2	N	S	SES	635	635B	80		5.0		15.000W	175J	30.000G	50UA	60V	125	1.000A
73T2	N	S	SES	635	635B	80		5.0		15.000W	175J	15.000G	75UA	80V	52	.200A
74T2	N	S	SES	635	635B	80		5.0		15.000W	175J	15.000G	75UA	80V	125	.200A
80T2	N	S	SES	171	TO 8	50		4.0		2.000W	175J	150.000G	100NA	30V	14	.046A
81T2	N	S	SES	211	TO 5	50		4.0		1.000W	175J	150.000G	100NA	30V	14	.040A
82T2	N	S	SES	545	TO 60		50R	4.0	1.000A	9.000W	175J	250.000G	1UA	30V	15	.500A
83T2	N	S	SES	545	TO 60		60R	4.0	2.000A	10.000W	175J	250.000G	3UA	30V	15	1.000A
90T2	N	S	SES	43	TO 98	100		4.0	.050A	.200W	100J		500NA	70V	30	.030A
91T6	N	S	SES	45	TO 98	18		5.0	.100A	.200W	125J	5.000G	100NA	18V	375	.001A
92T6	N	S	SES	45	TO 98	18		5.0	.100A	.200W	125J	5.000G	100NA	18V	225	.001A
93T6	N	S	SES	45	TO 98	18		5.0	.100A	.200W	125J	5.000G	100NA	18V	150	.001A
98T2	N	S	SES	43	TO 98	18	18	5.0	.200A	.200W	100J	200.000G	500NA	18V	350	.100A
100T2	N	S	SES	605	TO 3	120	80S			85.000W		30.000G	10MA	120V	50	2.000A
108T2	N	S	SES	605	TO 3	120	80	10.0	30.000A	175.000W	200J	10.000G	500UA	120V	35	10.000A
109T2	N	S	SES	605	TO 3	160	125	10.0	30.000A	175.000W	200J	10.000G	500UA	120V	35	10.000A
111T2	N	S	SES	210	TO 5		90S	4.0		.800W	175J		1UA	30V	60	.150A
121-6			SEE 2N216													
121-7			SEE 2N35													
121-9			SEE 2N112													
121-10			SEE 2N111													
121-11			SEE CK725													
121-12			SEE CK725													
121-14			SEE 2N112													
121-21			SEE 2N193													
121-22			SEE 2N194													
121-24			SEE 2N168A													
121-25			SEE 2N168A													
121-26			SEE 2N168													
121-27			SEE 2N190													
121-33			SEE 2N169A													
121-34			SEE 2N186A													
121-44			SEE 2N370													
121-45			SEE 2N139													
121-46			SEE 2N109													
121-47			SEE 2N270													
121-48			SEE 2N371													
121-49			SEE 2N372													
121-50			SEE 2N253													
121-51			SEE 2N254													
121-54			SEE 2N252													
121-60			SEE 2N213													
121-61			SEE 2N407													
121-62			SEE 2N411													
121-63			SEE 2N247													
121-64			SEE 2N407													
121-65			SEE 2N409													
121-66			SEE 2N409													
121-67			SEE 2N308													
121-70			SEE 2N515													
121-71			SEE 2N516													
121-73			SEE 2N409													
121-74			SEE 2N409													
121-75			SEE 2N139													
121-76			SEE 2N139													
121-78			SEE 2N544													
121-91			SEE 2N483													
121-92			SEE 2N485													
121-93			SEE 2N483													
121-94			SEE 2N482													
121-95			SEE 2N362													
121-96			SEE 2N632													
121-101			SEE 2N544													
121-102			SEE 2N409													
121-103			SEE 2N411													
121-104			SEE 2N409													
121-105			SEE 2N409													
121-107			SEE 2N407													
121-113			SEE 2N309													
121-128			SEE 2N1108													
121-134			SEE 2N1177													
121-135			SEE 2N1178													
121-136			SEE 2N1179													
121-138			SEE 2N1180													
121-139			SEE 2N1180													
121-145			SEE 2N1108													
121-146			SEE 2N1110													
121-147			SEE 2N1111													
121-148			SEE 2N407													
121-150			SEE 2N1631													
121-153			SEE 2N1108													
121-154			SEE 2N1110													
121-161			SEE 2N410													
121-162			SEE 2N410													
121-164			SEE 2N408													

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
121-179			SEE 2N1527													
121-180			SEE 2N1525													
121-181			SEE 2N1525													
121-184			SEE 2N1374													
121-185			SEE 2N1525													
121-205			SEE 2N1374													
121-225			SEE 2N407													
121-228			SEE 2N1742													
121-229			SEE 2N1745													
121-230			SEE 2N1745													
121-231			SEE 2N1865													
121-232			SEE 2N1865													
121-233			SEE 2N1747													
121-240			SEE 2N2614													
121-241			SEE 2N218													
121-242			SEE 2N993													
121-243			SEE 2N993													
121-244			SEE 2N993													
121-256			SEE 2N1632													
121-257			SEE 2N1526													
121-258			SEE 2N1524													
121-259			SEE 2N1524													
121-260			SEE 2N1524													
121-266			SEE 2N406													
121-267			SEE 2N408													
121-268			SEE 2N1742													
121-269			SEE 2N1745													
121-294			SEE 2N2654													
121-295			SEE 2N2654													
121-296			SEE 2N2654													
121-297			SEE 2N2671													
121-298			SEE 2N2671													
121-299			SEE 2N2671													
121-300			SEE 2N2429													
121-301			SEE 2N2428													
121-302			SEE 2N1302													
121-309			SEE 2N2429													
121-310			SEE 2N2428													
121-311			SEE 2N2706													
151-04	N	S	WHE	412	TO 82	65	40	25.0	6.000A	100.000W	150J	.500G	10MA	40V	16	1.500A
151-06	N	S	WHE	412	TO 82	85	60	25.0	6.000A	100.000W	150J	.500G	10MA	60V	16	1.500A
151-08	N	S	WHE	412	TO 82	105	80	25.0	6.000A	100.000W	150J	.500G	10MA	80V	16	1.500A
151-10	N	S	WHE	412	TO 82	125	100	25.0	6.000A	100.000W	150J	.500G	10MA	100V	16	1.500A
151-12	N	S	WHE	412	TO 82	145	120	25.0	6.000A	100.000W	150J	.500G	10MA	120V	16	1.500A
151-14	N	S	WHE	412	TO 82	165	140	25.0	6.000A	100.000W	150J	.500G	10MA	140V	16	1.500A
151-16	N	S	WHE	412	TO 82	185	160	25.0	6.000A	100.000W	150J	.500G	10MA	160V	16	1.500A
151-18	N	S	WHE	412	TO 82	205	180	25.0	6.000A	100.000W	150J	.500G	10MA	180V	16	1.500A
151-20	N	S	WHE	412	TO 82	225	200	25.0	6.000A	100.000W	150J	.500G	10MA	200V	16	1.500A
151-22	N	S	WHE	412	TO 82	245	220	25.0	6.000A	100.000W	150J	.500G	10MA	220V	16	1.500A
151-24	N	S	WHE	412	TO 82	265	240	25.0	6.000A	100.000W	150J	.500G	10MA	240V	16	1.500A
151-26	N	S	WHE	412	TO 82	285	260	25.0	6.000A	100.000W	150J	.500G	10MA	260V	16	1.500A
151-28	N	S	WHE	412	TO 82	305	280	25.0	6.000A	100.000W	150J	.500G	10MA	280V	16	1.500A
151-30	N	S	WHE	412	TO 82	325	300	25.0	6.000A	100.000W	150J	.500G	10MA	300V	16	1.500A
152-04	N	S	WHE	412	TO 82	65	40	25.0	6.000A	100.000W	150J	.500G	10MA	40V	27	1.500A
152-06	N	S	WHE	412	TO 82	85	60	25.0	6.000A	100.000W	150J	.500G	10MA	60V	27	1.500A
152-08	N	S	WHE	412	TO 82	105	80	25.0	6.000A	100.000W	150J	.500G	10MA	80V	27	1.500A
152-10	N	S	WHE	412	TO 82	125	100	25.0	6.000A	100.000W	150J	.500G	10MA	100V	27	1.500A
152-12	N	S	WHE	412	TO 82	145	120	25.0	6.000A	100.000W	150J	.500G	10MA	120V	27	1.500A
152-14	N	S	WHE	412	TO 82	165	140	25.0	6.000A	100.000W	150J	.500G	10MA	140V	27	1.500A
152-16	N	S	WHE	412	TO 82	185	160	25.0	6.000A	100.000W	150J	.500G	10MA	160V	27	1.500A
152-18	N	S	WHE	412	TO 82	205	180	25.0	6.000A	100.000W	150J	.500G	10MA	180V	27	1.500A
152-20	N	S	WHE	412	TO 82	225	200	25.0	6.000A	100.000W	150J	.500G	10MA	200V	27	1.500A
152-22	N	S	WHE	412	TO 82	245	220	25.0	6.000A	100.000W	150J	.500G	10MA	220V	27	1.500A
152-24	N	S	WHE	412	TO 82	265	240	25.0	6.000A	100.000W	150J	.500G	10MA	240V	27	1.500A
152-26	N	S	WHE	412	TO 82	285	260	25.0	6.000A	100.000W	150J	.500G	10MA	260V	27	1.500A
152-28	N	S	WHE	412	TO 82	305	280	25.0	6.000A	100.000W	150J	.500G	10MA	280V	27	1.500A
152-30	N	S	WHE	412	TO 82	325	300	25.0	6.000A	100.000W	150J	.500G	10MA	300V	27	1.500A
153-04	N	S	WHE	560	560A	65	40	15.0	7.500A	200.000W	175J	.500G	10MA	40V	23	1.500A
153-06	N	S	WHE	560	560A	85	60	15.0	7.500A	200.000W	175J	.500G	10MA	60V	23	1.500A
153-08	N	S	WHE	560	560A	105	80	15.0	7.500A	200.000W	175J	.500G	10MA	80V	23	1.500A
153-10	N	S	WHE	560	560A	125	100	15.0	7.500A	200.000W	175J	.500G	10MA	100V	23	1.500A
153-12	N	S	WHE	560	560A	145	120	15.0	7.500A	200.000W	175J	.500G	10MA	120V	23	1.500A
153-14	N	S	WHE	560	560A	165	140	15.0	7.500A	200.000W	175J	.500G	10MA	140V	23	1.500A
153-16	N	S	WHE	560	560A	185	160	15.0	7.500A	200.000W	175J	.500G	10MA	160V	23	1.500A
153-18	N	S	WHE	560	560A	205	180	15.0	7.500A	200.000W	175J	.500G	10MA	180V	23	1.500A
153-20	N	S	WHE	560	560A	225	200	15.0	7.500A	200.000W	175J	.500G	10MA	200V	23	1.500A
153-22	N	S	WHE	560	560A	245	220	15.0	7.500A	200.000W	175J	.500G	10MA	220V	23	1.500A
153-24	N	S	WHE	560	560A	265	240	15.0	7.500A	200.000W	175J	.500G	10MA	240V	23	1.500A
153-26	N	S	WHE	560	560A	285	260	15.0	7.500A	200.000W	175J	.500G	10MA	260V	23	1.500A
153-28	N	S	WHE	560	560A	305	280	15.0	7.500A	200.000W	175J	.500G	10MA	280V	23	1.500A
153-30	N	S	WHE	560	560A	325	300	25.0	7.500A	200.000W	175J	.500G	10MA	300V	23	1.500A
154-04	N	S	WHE	560	560A	65	40	15.0	7.500A	200.000W	175J	.500G	10MA	40V	38	1.500A
154-06	N	S	WHE	560	560A	85	60	15.0	7.500A	200.000W	175J	.500G	10MA	60V	38	1.500A
154-08	N	S	WHE	560	560A	105	80	15.0	7.500A	200.000W	175J	.500G	10MA	80V	38	1.500A
154-10	N	S	WHE	560	560A	125	100	15.0	7.500A	200.000W	175J	.500G	10MA	100V	38	1.500A
154-12	N	S	WHE	560	560A	145	120	15.0	7.500A	200.000W	175J	.500G	10MA	120V	38	1.500A
154-14	N	S	WHE	560	560A	165	140	15.0	7.500A	200.000W	175J	.500G	10MA	140V	38	1.500A
154-16	N	S	WHE	560	560A	185	160	15.0	7.500A	200.000W	175J	.500G	10MA	160V	38	1.500A
154-18	N	S	WHE	560	560A	205	180	15.0	7.500A	200.000W	175J	.500G	10MA	180V	38	1.500A
154-20	N	S	WHE	560	560A	225	200	15.0	7.500A	200.000W	175J	.500G	10MA	200V	38	1.500A
154-22	N	S	WHE	560	560A		220	15.0	7.500A	200.000W	175J	.500G	10MA	220V	38	1.500A
154-24	N	S	WHE	560	560A		240	15.0	7.500A	200.000W	175J	.500G	10MA	240V	38	1.500A
154-26	N	S	WHE	560	560A		260	15.0	7.500A	200.000W	175J	.500G	10MA	260V	38	1.500A
154-28	N	S	WHE	560	560A		280	15.0	7.500A	200.000W	175J	.500G	10MA	280V	38	1.500A
154-30	N	S	WHE	560	560A	325	300	25.0	7.500A	200.000W	175J	.500G	10MA	300V	37	1.500A
156-043	N	S	WHE	605	TO 3		40	7.0	15.000A	115.000W	200J	1.000G			27	3.000A
156-044	N	S	WHE	605	TO 3		40	7.0	15.000A	115.000W	200J	1.000G			30	4.000A
156-083	N	S	WHE	605	TO 3		80	7.0	15.000A	115.000W	200J	1.000G			27	3.000A
156-084	N	S	WHE	605	TO 3		80	7.0	15.000A	115.000W	200J	1.000G			30	4.000A
156-104	N	S	WHE	605	TO 3		100	7.0	15.000A	115.000W	200J	1.000G			30	4.000A
156-123	N	S	WHE	605	TO 3		120	7.0	15.000A	115.000W	200J	1.000G			27	3.000A
156-124	N	S	WHE	605	TO 3		120	7.0	15.000A	115.000W	200J	1.000G			30	4.000A
156-144	N	S	WHE	605	TO 3		140	7.0	15.000A	115.000W	200J	1.000G			30	4.000A
156-164	N	S	WHE	605	TO 3		160	7.0	15.000A	115.000W	200J	1.000G			30	4.000A
163-04	N	S	WHE	561	561F	55	40	15.0	20.000A	200.000W	175J	.500G	10MA	40V	23	5.000A
163-06	N	S	WHE	561	561F	75	60	15.0	20.000A	200.000W	175J	.500G	10MA	60V	23	5.000A
163-08	N	S	WHE	561	561F	95	80	15.0	20.000A	200.000W	175J	.500G	10MA	80V	23	5.000A
163-10	N	S	WHE	561	561F	115	100	15.0	20.000A	200.000W	175J	.500G	10MA	100V	23	5.000A
163-12	N	S	WHE	561	561F	135	120	15.0	20.000A	200.000W	175J	.500G	10MA	120V	23	5.000A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T_j(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
163-14	N	S	WHE	561	561F	155	140	15.0	20.000A	200.000W	175J	.500G	10MA	140V	23	5.000A
163-16	N	S	WHE	561	561F	175	160	15.0	20.000A	200.000W	175J	.500G	10MA	160V	23	5.000A
163-18	N	S	WHE	561	561F	195	180	15.0	20.000A	200.000W	175J	.500G	10MA	180V	23	5.000A
163-20	N	S	WHE	561	561F	215	200	15.0	20.000A	200.000W	175J	.500G	10MA	200V	23	5.000A
163-22	N	S	WHE	561	561F	235	220	15.0	20.000A	200.000W	175J	.500G	30MA	220V	23	5.000A
163-24	N	S	WHE	561	561F	255	240	15.0	20.000A	200.000W	175J	.500G	30MA	240V	23	5.000A
163-26	N	S	WHE	561	561F	275	260	15.0	20.000A	200.000W	175J	.500G	30MA	260V	23	5.000A
163-28	N	S	WHE	561	561F	295	280	15.0	20.000A	200.000W	175J	.500G	30MA	280V	23	5.000A
163-30	N	S	WHE	561	561F	315	300	15.0	20.000A	200.000W	175J	.500G	30MA	300V	23	5.000A
164-04	N	S	WHE	561	561F	55	40	15.0	20.000A	200.000W	175J	.500G	30MA	40V	38	5.000A
164-06	N	S	WHE	561	561F	75	60	15.0	20.000A	200.000W	175J	.500G	30MA	60V	38	5.000A
164-08	N	S	WHE	561	561F	95	80	15.0	20.000A	200.000W	175J	.500G	30MA	80V	38	5.000A
164-10	N	S	WHE	561	561F	115	100	15.0	20.000A	200.000W	175J	.500G	30MA	100V	38	5.000A
164-12	N	S	WHE	561	561F	135	120	15.0	20.000A	200.000W	175J	.500G	30MA	120V	38	5.000A
164-14	N	S	WHE	561	561F	155	140	15.0	20.000A	200.000W	175J	.500G	30MA	140V	38	5.000A
164-16	N	S	WHE	561	561F	175	160	15.0	20.000A	200.000W	175J	.500G	30MA	160V	38	5.000A
164-18	N	S	WHE	561	561F	195	180	15.0	20.000A	200.000W	175J	.500G	30MA	180V	38	5.000A
164-20	N	S	WHE	561	561F	215	200	15.0	20.000A	200.000W	175J	.500G	30MA	200V	38	5.000A
164-22	N	S	WHE	561	561F	235	220	15.0	20.000A	200.000W	175J	.500G	30MA	220V	37	5.000A
164-24	N	S	WHE	561	561F	255	240	15.0	20.000A	200.000W	175J	.500G	30MA	240V	37	5.000A
164-26	N	S	WHE	561	561F	275	260	15.0	20.000A	200.000W	175J	.500G	30MA	260V	37	5.000A
164-28	N	S	WHE	561	561F	295	280	15.0	20.000A	200.000W	175J	.500G	30MA	280V	37	5.000A
164-30	N	S	WHE	561	561F	315	300	15.0	20.000A	200.000W	175J	.500G	30MA	300V	37	5.000A
176-04	-N	S	WHE	561	TO 63	47	40	7.5	20.000A	200.000W	200J	.030G			30	20.000A
176-06	-N	S	WHE	561	TO 63	67	60	7.5	20.000A	200.000W	200J	.030G			30	20.000A
176-08	-N	S	WHE	561	TO 63	87	80	7.5	20.000A	200.000W	200J	.030G			30	20.000A
176-10	-N	S	WHE	561	TO 63	107	100	7.5	20.000A	200.000W	200J	.030G			30	20.000A
176-12	-N	S	WHE	561	TO 63	127	120	7.5	20.000A	200.000W	200J	.030G			30	20.000A
176-14	-N	S	WHE	561	TO 63	147	140	7.5	20.000A	200.000W	200J	.030G			30	20.000A
176-16	-N	S	WHE	561	TO 63	167	160	7.5	20.000A	200.000W	200J	.030G			30	20.000A
180T2	N	S	SES	605	TO 3	60	60	10.0	6.000A	85.000W	200J	10.000G	10MA	60V	60	2.000A
181T2	N	S	SES	605	TO 3	100	90	10.0	6.000A	85.000W	200J	10.000G	1MA	100V	60	2.000A
182T2	N	S	SES	605	TO 3	200	140	10.0	6.000A	85.000W	200J	10.000G	1MA	180V	60	2.000A
183T2	N	S	SES	605	TO 3	300	180	10.0	6.000A	85.000W	200J	10.000G	1MA	250V	60	2.000A
184T2	N	S	SES	605	TO 3	400	200	10.0	6.000A	85.000W	200J	10.000G	1MA	300V	60	2.000A
185T2	N	S	SES	605	TO 3	500	250	10.0	6.000A	85.000W	200J	10.000G	1MA	400V	60	2.000A
903			SEE 2N1149													
904			SEE 2N1150													
904A			SEE 2N1151													
905			SEE 2N1152													
910			SEE 2N1153													
951			SEE 2N1154													
952			SEE 2N1155													
953			SEE 2N1156													
1401-12	-N	S	WHE	508	TO 93	130	120	10.0	250.000A	625.000W	200J	1.000G			15	99.000A
1401-14	-N	S	WHE	508	TO 93	150	140	10.0	250.000A	625.000W	200J	1.000G			15	99.000A
1401-0415	N	S	WHE	508	TO 93		40	10.0	250.000A	625.000W		.500G			15	99.000A
1401-0420	N	S	WHE	508	TO 93	50	40	10.0	250.000A	625.000W	200J	.500G			15	99.000A
1401-0425	N	S	WHE	508	TO 93		40	10.0	250.000A	625.000W		.500G			15	99.000A
1401-0615	N	S	WHE	508	TO 93		60	10.0	250.000A	625.000W		.500G			15	99.000A
1401-0620	N	S	WHE	508	TO 93	70	60	10.0	250.000A	625.000W	200J	.500G			15	99.000A
1401-0625	N	S	WHE	508	TO 93		60	10.0	250.000A	625.000W		.500G			15	99.000A
1401-0815	N	S	WHE	508	TO 93		80	10.0	250.000A	625.000W		.500G			15	99.000A
1401-0820	N	S	WHE	508	TO 93	90	80	10.0	250.000A	625.000W	200J	.500G			15	99.000A
1401-0825	N	S	WHE	508	TO 93		80	10.0	250.000A	625.000W		.500G			15	99.000A
1401-1015	N	S	WHE	508	TO 93		100	10.0	250.000A	625.000W		.500G			15	99.000A
1401-1020	N	S	WHE	508	TO 93	110	100	10.0	250.000A	625.000W	200J	.500G			15	99.000A
1401-1025	N	S	WHE	508	TO 93		100	10.0	250.000A	625.000W		.500G			15	99.000A
1401-1215	N	S	WHE	508	TO 93		120	10.0	250.000A	625.000W		.500G			15	50.000A
1441-0405	N	S	WHE	563	TO114		40	10.0	150.000A	350.000W		.500G			15	75.000A
1441-0407	N	S	WHE	563	TO114		40	10.0	150.000A	350.000W		.500G			15	99.000A
1441-0410	N	S	WHE	563	TO114		40	10.0	150.000A	350.000W		.500G			15	50.000A
1441-0605	N	S	WHE	563	TO114		60	10.0	150.000A	350.000W		.500G			15	75.000A
1441-0607	N	S	WHE	563	TO114		60	10.0	150.000A	350.000W		.500G			15	99.000A
1441-0610	N	S	WHE	563	TO114		60	10.0	150.000A	350.000W		.500G			15	50.000A
1441-0805	N	S	WHE	563	TO114		80	10.0	150.000A	350.000W		.500G			15	75.000A
1441-0807	N	S	WHE	563	TO114		80	10.0	150.000A	350.000W		.500G			15	99.000A
1441-0810	N	S	WHE	563	TO114		80	10.0	150.000A	350.000W		.500G			15	50.000A
1441-1005	N	S	WHE	563	TO114		100	10.0	150.000A	350.000W		.500G			15	75.000A
1441-1007	N	S	WHE	563	TO114		100	10.0	150.000A	350.000W		.500G			15	99.000A
1441-1010	N	S	WHE	563	TO114		100	10.0	150.000A	350.000W		.500G			15	50.000A
1441-1205	N	S	WHE	563	TO114		120	10.0	150.000A	350.000W		.500G			15	75.000A
1441-1207	N	S	WHE	563	TO114		120	10.0	150.000A	350.000W		.500G			15	99.000A
1441-1210	N	S	WHE	563	TO114		120	10.0	150.000A	350.000W		.500G			15	99.000A
1571-0420	N	S	WHE	605	TO 66		40	7.0	4.000A	29.000W	200J	1.000G			30	3.000A
1571-0425	N	S	WHE	605	TO 66		40	7.0	4.000A	29.000W	200J	1.000G			38	4.000A
1571-0620	N	S	WHE	605	TO 66		60	7.0	4.000A	29.000W	200J	1.000G			30	3.000A
1571-0820	N	S	WHE	605	TO 66		80	7.0	4.000A	29.000W	200J	1.000G			30	3.000A
1571-0825	N	S	WHE	605	TO 66		80	7.0	4.000A	29.000W	200J	1.000G			38	4.000A
1571-1020	N	S	WHE	605	TO 66		100	7.0	4.000A	29.000W	200J	1.000G			30	3.000A
1571-1025	N	S	WHE	605	TO 66		100	7.0	4.000A	29.000W	200J	1.000G			38	4.000A
1571-1220	N	S	WHE	605	TO 66		120	7.0	4.000A	29.000W	200J	1.000G			30	3.000A
1571-1225	N	S	WHE	605	TO 66		120	7.0	4.000A	29.000W	200J	1.000G			38	4.000A
1571-1425	N	S	WHE	605	TO 66		140	7.0	4.000A	29.000W	200J	1.000G			38	4.000A
1571-1620	N	S	WHE	605	TO 66		160	7.0	4.000A	29.000W	200J	1.000G			30	3.000A
1571-1625	N	S	WHE	605	TO 66		160	7.0	4.000A	29.000W	200J	1.000G			38	4.000A
1582-0508	N	S	WHE	605	TO 3		40	7.0	30.000A	150.000W	200J	1.000G			23	8.000A
1582-0510	N	S	WHE	605	TO 3		50	7.0	30.000A	150.000W	200J	1.000G			23	10.000A
1582-0608	N	S	WHE	605	TO 3		60	7.0	30.000A	150.000W	200J	1.000G			23	8.000A
1582-0615	N	S	WHE	605	TO 3		60	7.0	30.000A	150.000W	200J	1.000G			23	15.000A
1582-0808	N	S	WHE	605	TO 3		80	7.0	30.000A	150.000W	200J	1.000G			23	8.000A
1582-0815	N	S	WHE	605	TO 3		80	7.0	30.000A	150.000W	200J	1.000G			23	15.000A
1582-1008	N	S	WHE	605	TO 3		100	7.0	30.000A	150.000W	200J	1.000G			23	8.000A
1582-1010	N	S	WHE	605	TO 3		100	7.0	30.000A	150.000W	200J	1.000G			23	10.000A
1582-1015	N	S	WHE	605	TO 3		100	7.0	30.000A	150.000W	200J	1.000G			23	15.000A
1582-1208	N	S	WHE	605	TO 3		120	7.0	30.000A	150.000W	200J	1.000G			23	8.000A
1582-1210	N	S	WHE	605	TO 3		120	7.0	30.000A	150.000W	200J	1.000G			23	10.000A
1582-1215	N	S	WHE	605	TO 3		120	7.0	30.000A	150.000W	200J	1.000G			23	15.000A
1582-1410	N	S	WHE	605	TO 3		140	7.0	30.000A	150.000W	200J	1.000G			23	10.000A
1582-1415	N	S	WHE	605	TO 3		140	7.0	30.000A	150.000W	200J	1.000G			23	15.000A
1582-1608	N	S	WHE	605	TO 3		160	7.0	30.000A	150.000W	200J	1.000G			23	8.000A
1582-1610	N	S	WHE	605	TO 3		160	7.0	30.000A	150.000W	200J	1.000G			23	10.000A
1582-1615	N	S	WHE	605	TO 3		160	7.0	30.000A	150.000W	200J	1.000G			23	15.000A
1714-0402	N	S	WHE	605	TO 66		40	7.0	10.000A	35.000W	200J	70.000G			30	2.000A
1714-0405	N	S	WHE	605	TO 66		40	7.0	10.000A	35.000W	200J	70.000G			30	5.000A
1714-0602	N	S	WHE	605	TO 66		60	7.0	10.000A	35.000W	200J	70.000G			30	2.000A
1714-0605	N	S	WHE	605	TO 66		60	7.0	10.000A	35.000W	200J	70.000G			30	5.000A
1714-0802	N	S	WHE	605	TO 66		80	7.0	10.000A	35.000W	200J	70.000G			30	2.000A
1714-0805	N	S	WHE	605	TO 66		80	7.0	10.000A	35.000W	200J	70.000G			30	5.000A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @ V_{CB}	Gain h_{FE} @ I_C
1714-1002	N	S	WHE	605	TO 66	100	7.0		10.000A	35.000W	200J	70.000G		30 2.000A
1714-1005	N	S	WHE	605	TO 66	100	7.0		10.000A	35.000W	200J	70.000G		30 5.000A
1714-1202	N	S	WHE	605	TO 66	120	7.0		10.000A	35.000W	200J	70.000G		30 2.000A
1714-1205	N	S	WHE	605	TO 66	120	7.0		10.000A	35.000W	200J	70.000G		30 5.000A
1714-1402	N	S	WHE	605	TO 66	140	7.0		10.000A	35.000W	200J	70.000G		30 2.000A
1714-1405	N	S	WHE	605	TO 66	140	7.0		10.000A	35.000W	200J	70.000G		30 5.000A
1714-1602	N	S	WHE	605	TO 66	160	7.0		10.000A	35.000W	200J	70.000G		30 2.000A
1714-1605	N	S	WHE	605	TO 66	160	7.0		10.000A	35.000W	200J	70.000G		30 5.000A
1714-1802	N	S	WHE	605	TO 66	180	7.0		10.000A	35.000W	200J	70.000G		30 2.000A
1714-1805	N	S	WHE	605	TO 66	180	7.0		10.000A	35.000W	200J	70.000G		30 5.000A
1716-0602	N	S	WHE	560	TO 61	60	7.0		10.000A	50.000W	200J	70.000G		30 2.000A
1716-0605	N	S	WHE	560	TO 61	60	7.0		10.000A	50.000W	200J	70.000G		30 5.000A
1716-0802	N	S	WHE	560	TO 61	80	7.0		10.000A	50.000W	200J	70.000G		30 2.000A
1716-0805	N	S	WHE	560	TO 61	80	7.0		10.000A	50.000W	200J	70.000G		30 5.000A
1716-1002	N	S	WHE	560	TO 61	100	7.0		10.000A	50.000W	200J	70.000G		30 2.000A
1716-1005	N	S	WHE	560	TO 61	100	7.0		10.000A	50.000W	200J	70.000G		30 5.000A
1716-1202	N	S	WHE	560	TO 61	120	7.0		10.000A	50.000W	200J	70.000G		30 2.000A
1716-1205	N	S	WHE	560	TO 61	120	7.0		10.000A	50.000W	200J	70.000G		30 5.000A
1716-1402	N	S	WHE	560	TO 61	140	7.0		10.000A	50.000W	200J	70.000G		30 2.000A
1716-1405	N	S	WHE	560	TO 61	140	7.0		10.000A	50.000W	200J	70.000G		30 5.000A
1716-1602	N	S	WHE	560	TO 61	160	7.0		10.000A	50.000W	200J	70.000G		30 2.000A
1716-1605	N	S	WHE	560	TO 61	160	7.0		10.000A	50.000W	200J	70.000G		30 5.000A
1716-1802	N	S	WHE	560	TO 61	180	7.0		10.000A	50.000W	200J	70.000G		30 2.000A
1718-0602	N	S	WHE	568	TO111	60	7.0		10.000A	33.000W	200J	70.000G		30 2.000A
1718-0605	N	S	WHE	568	TO111	60	7.0		10.000A	33.000W	200J	70.000G		30 5.000A
1718-0802	N	S	WHE	568	TO111	80	7.0		10.000A	33.000W	200J	70.000G		30 2.000A
1718-0805	N	S	WHE	568	TO111	80	7.0		10.000A	33.000W	200J	70.000G		30 5.000A
1718-1002	N	S	WHE	568	TO111	100	7.0		10.000A	33.000W	200J	70.000G		30 2.000A
1718-1005	N	S	WHE	568	TO111	100	7.0		10.000A	33.000W	200J	70.000G		30 5.000A
1718-1202	N	S	WHE	568	TO111	120	7.0		10.000A	33.000W	200J	70.000G		30 2.000A
1718-1205	N	S	WHE	568	TO111	120	7.0		10.000A	33.000W	200J	70.000G		30 5.000A
1718-1402	N	S	WHE	568	TO111	140	7.0		10.000A	33.000W	200J	70.000G		30 2.000A
1718-1405	N	S	WHE	568	TO111	140	7.0		10.000A	33.000W	200J	70.000G		30 5.000A
1718-1602	N	S	WHE	568	TO111	160	7.0		10.000A	33.000W	200J	70.000G		30 2.000A
1718-1605	N	S	WHE	568	TO111	160	7.0		10.000A	33.000W	200J	70.000G		30 5.000A
1718-1802	N	S	WHE	568	TO111	180	7.0		10.000A	33.000W	200J	70.000G		30 2.000A
1723-0405	N	S	WHE	605	TO 3	40	7.0		20.000A	150.000W	200J	50.000G		30 5.000A
1723-0410	N	S	WHE	605	TO 3	40	7.0		20.000A	150.000W	200J	50.000G		30 10.000A
1723-0605	N	S	WHE	605	TO 3	60	7.0		20.000A	150.000W	200J	50.000G		30 5.000A
1723-0610	N	S	WHE	605	TO 3	60	7.0		20.000A	150.000W	200J	50.000G		30 10.000A
1723-0805	N	S	WHE	605	TO 3	80	7.0		20.000A	150.000W	200J	50.000G		30 5.000A
1723-0810	N	S	WHE	605	TO 3	80	7.0		20.000A	150.000W	200J	50.000G		30 10.000A
1723-1005	N	S	WHE	605	TO 3	100	7.0		20.000A	150.000W	200J	50.000G		30 5.000A
1723-1010	N	S	WHE	605	TO 3	100	7.0		20.000A	150.000W	200J	50.000G		30 10.000A
1723-1205	N	S	WHE	605	TO 3	120	7.0		20.000A	150.000W	200J	50.000G		30 5.000A
1723-1210	N	S	WHE	605	TO 3	120	7.0		20.000A	150.000W	200J	50.000G		30 10.000A
1723-1405	N	S	WHE	605	TO 3	140	7.0		20.000A	150.000W	200J	50.000G		30 5.000A
1723-1410	N	S	WHE	605	TO 3	140	7.0		20.000A	150.000W	200J	50.000G		30 10.000A
1723-1605	N	S	WHE	605	TO 3	160	7.0		20.000A	150.000W	200J	50.000G		30 5.000A
1723-1610	N	S	WHE	605	TO 3	160	7.0		20.000A	150.000W	200J	50.000G		30 10.000A
1723-1805	N	S	WHE	605	TO 3	180	7.0		20.000A	150.000W	200J	50.000G		30 5.000A
1723-1810	N	S	WHE	605	TO 3	180	7.0		20.000A	150.000W	200J	50.000G		30 10.000A
1723-2005	N	S	WHE	605	TO 3	200	7.0		20.000A	150.000W	200J	50.000G		30 5.000A
1761-04	-N	S	WHE	605	TO 3 47	40	7.0		30.000A	125.000W	200J	30.000G		30 20.000A
1761-06	-N	S	WHE	605	TO 3 67	60	7.0		30.000A	125.000W	200J	30.000G		30 20.000A
1761-08	-N	S	WHE	605	TO 3 87	80	7.0		30.000A	125.000W	200J	30.000G		30 20.000A
1761-10	-N	S	WHE	605	TO 3 106	100	7.0		30.000A	125.000W	200J	30.000G		30 20.000A
1761-12	-N	S	WHE	605	TO 3 127	120	7.0		30.000A	125.000W	200J	30.000G		30 20.000A
1761-14	-N	S	WHE	605	TO 3 147	140	7.0		30.000A	125.000W	200J	30.000G		30 20.000A
1761-16	-N	S	WHE	605	TO 3 167	160	7.0		30.000A	125.000W	200J	30.000G		30 20.000A
1763-0610	N	S	WHE	605	TO 3	60	7.0		40.000A	85.000W	200J	50.000G		30 10.000A
1763-0620	N	S	WHE	605	TO 3	60	7.0		40.000A	85.000W	200J	50.000G		30 20.000A
1763-0630	N	S	WHE	605	TO 3	60	7.0		40.000A	85.000W	200J	50.000G		30 30.000A
1763-0810	N	S	WHE	605	TO 3	80	7.0		40.000A	85.000W	200J	50.000G		30 10.000A
1763-0820	N	S	WHE	605	TO 3	80	7.0		40.000A	85.000W	200J	50.000G		30 20.000A
1763-0830	N	S	WHE	605	TO 3	80	7.0		40.000A	85.000W	200J	50.000G		30 30.000A
1763-1010	N	S	WHE	605	TO 3	100	7.0		40.000A	85.000W	200J	50.000G		30 10.000A
1763-1020	N	S	WHE	605	TO 3	100	7.0		40.000A	85.000W	200J	50.000G		30 20.000A
1763-1030	N	S	WHE	605	TO 3	100	7.0		40.000A	85.000W	200J	50.000G		30 30.000A
1763-1210	N	S	WHE	605	TO 3	120	7.0		40.000A	85.000W	200J	50.000G		30 10.000A
1763-1220	N	S	WHE	605	TO 3	120	7.0		40.000A	85.000W	200J	50.000G		30 20.000A
1763-1230	N	S	WHE	605	TO 3	120	7.0		40.000A	85.000W	200J	50.000G		30 30.000A
1763-1410	N	S	WHE	605	TO 3	140	7.0		40.000A	85.000W	200J	50.000G		30 10.000A
1763-1420	N	S	WHE	605	TO 3	140	7.0		40.000A	85.000W	200J	50.000G		30 20.000A
1763-1430	N	S	WHE	605	TO 3	140	7.0		40.000A	85.000W	200J	50.000G		30 30.000A
1763-1610	N	S	WHE	605	TO 3	160	7.0		40.000A	85.000W	200J	50.000G		30 10.000A
1763-1620	N	S	WHE	605	TO 3	160	7.0		40.000A	85.000W	200J	50.000H		30 20.000A
1763-1630	N	S	WHE	605	TO 3	160	7.0		40.000A	85.000W	200J	50.000G		30 30.000A
1763-1810	N	S	WHE	605	TO 3	180	7.0		40.000A	85.000W	200J	50.000G		30 10.000A
1768-0610	N	S	WHE	560	TO 63	60	7.0		40.000A	100.000W	200J	50.000G		30 10.000A
1768-0620	N	S	WHE	560	TO 63	60	7.0		40.000A	100.000W	200J	50.000G		30 20.000A
1768-0630	N	S	WHE	560	TO 63	60	7.0		40.000A	100.000W	200J	50.000G		30 30.000A
1768-0810	N	S	WHE	560	TO 63	80	7.0		40.000A	100.000W	200J	50.000G		30 10.000A
1768-0820	N	S	WHE	560	TO 63	80	7.0		40.000A	100.000W	200J	50.000G		30 20.000A
1768-0830	N	S	WHE	560	TO 63	80	7.0		40.000A	100.000W	200J	50.000G		30 30.000A
1768-1010	N	S	WHE	560	TO 63	100	7.0		40.000A	100.000W	200J	50.000G		30 10.000A
1768-1020	N	S	WHE	560	TO 63	100	7.0		40.000A	100.000W	200J	50.000G		30 20.000A
1768-1030	N	S	WHE	560	TO 63	100	7.0		40.000A	100.000W	200J	50.000G		30 30.000A
1768-1210	N	S	WHE	560	TO 63	120	7.0		40.000A	100.000W	200J	50.000G		30 10.000A
1768-1220	N	S	WHE	560	TO 63	120	7.0		40.000A	100.000W	200J	50.000G		30 20.000A
1768-1230	N	S	WHE	560	TO 63	120	7.0		40.000A	100.000W	200J	50.000G		30 30.000A
1768-1410	N	S	WHE	560	TO 63	140	7.0		40.000A	100.000W	200J	50.000G		30 10.000A
1768-1420	N	S	WHE	560	TO 63	140	7.0		40.000A	100.000W	200J	50.000G		30 20.000A
1768-1430	N	S	WHE	560	TO 63	140	7.0		40.000A	100.000W	200J	50.000G		30 30.000A
1768-1610	N	S	WHE	560	TO 63	160	7.0		40.000A	100.000W	200J	50.000G		30 10.000A
1768-1620	N	S	WHE	560	TO 63	160	7.0		40.000A	100.000W	200J	50.000G		30 20.000A
1768-1630	N	S	WHE	560	TO 63	160	7.0		40.000A	100.000W	200J	50.000G		30 30.000A
1768-1810	N	S	WHE	560	TO 63	180	7.0		40.000A	100.000W	200J	50.000G		30 10.000A
1776-0440	N	S	WHE	560	TO 63	40	7.0		75.000A	150.000W	200J	35.000G		23 40.000A
1776-0460	N	S	WHE	560	TO 63	40	7.0		75.000A	150.000W	200J	35.000G		23 60.000A
1776-0640	N	S	WHE	560	TO 63	60	7.0		75.000A	150.000W	200J	35.000G		23 40.000A
1776-0660	N	S	WHE	560	TO 63	60	7.0		75.000A	150.000W	200J	35.000G		23 60.000A
1776-0840	N	S	WHE	560	TO 63	80	7.0		75.000A	150.000W	200J	35.000G		23 40.000A
1776-0860	N	S	WHE	560	TO 63	80	7.0		75.000A	150.000W	200J	35.000G		23 60.000A
1776-1040	N	S	WHE	560	TO 63	100	7.0		75.000A	150.000W	200J	35.000G		23 40.000A
1776-1060	N	S	WHE	560	TO 63	100	7.0		75.000A	150.000W	200J	35.000G		23 60.000A
1776-1240	N	S	WHE	560	TO 63	120	7.0		75.000A	150.000W	200J	35.000G		23 40.000A
1776-1260	N	S	WHE	560	TO 63	120	7.0		75.000A	150.000W	200J	35.000G		23 60.000A
1776-1440	N	S	WHE	560	TO 63	140	7.0		75.000A	150.000W	200J	35.000G		23 40.000A

Transistor Type No.	N, G / P S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{s,s}$	$V_{r,r}$	$V_{s,b}$	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{s,s}$ @	$V_{s,s}$	Gain $h_{f,e}$ @	I_c
1776-1460	N S	WHE	560	TO 63		140	7.0	75.000A	150.000W	200J	35.000G			23	60.000A
1776-1640	N S	WHE	560	TO 63		160	7.0	75.000A	150.000W	200J	35.000G			23	40.000A
3907		SEE 2N404A													
40022	P G	RCA	605	TO 3	32	32R	5.0	5.000A	12.500W	100J	.300G	1MA	30V	70	1.000A
40050	P G	RCA	605	TO 3	40	40	5.0	5.000A	12.500W	100J	.500G	500UA	30V	90	
40051	P G	RCA	605	TO 3	50	50R	5.0	5.000A	12.500W	100J	.500G	500UA	30V	90	
40053		SEE 2N3053													
40080	N S	RCA	211	TO 5		30		.250A	.500W	200J	CBAMP	10UA	15V		
40081	N S	RCA	211	TO 5		60X	2.0	.250A	2.000W	200J	CBAMP	10UA	15V		
40082		SEE RF POWER SECTION													
40084	N S	RCA	211	TO 18	60	40	5.0	1.000A	1.800W	200J	100.000G	250NA	30V	112	.150A
40217		SEE 2N3261													
40218		SEE 2N3261													
40219		SEE 2N3261													
40220		SEE 2N3261													
40221		SEE 2N3261													
40222		SEE 2N3261													
40231	N S	RCA	170	170J	18	18	5.0	.100A	.500W	175J	60.000G	10UA	12V	80	.002A
40232	N S	RCA	170	170J	18	18	5.0	.100A	.500W	175J	60.000G	10UA	12V	175	.002A
40233	N S	RCA	170	170J	18	18	5.0	.100A	.500W	175J	60.000G	10UA	12V	175	.002A
40234	N S	RCA	170	170J	18	18	5.0	.100A	.400W	175J	60.000G	10UA	12V	80	.002A
40235	N S	RCA	217	TO104	35		3.0	.050A	.180W	175J	1200.000G	1UA	35V	80	.001A
40236	N S	RCA	217	TO104	35		3.0	.050A	.180W	175J	1200.000G	1UA	35V	120	.001A
40237	N S	RCA	217	TO104	35		3.0	.050A	.180W	175J	1200.000G	1UA	35V	100	.001A
40238	N S	RCA	217	TO104	35		3.0	.050A	.180W	175J	900.000G	1UA	35V	80	.001A
40239	N S	RCA	217	TO104	35		3.0	.050A	.180W	175J	900.000G	1UA	35V	50	.001A
40240	N S	RCA	217	TO104	35		3.0	.050A	.180W	175J	900.000G	1UA	35V	100	.001A
40242	N S	RCA	217	TO104	35		5.0	.050A	.180W	175J	400.000G	20NA	1V	80	.001A
40243	N S	RCA	217	TO104	35		3.0	.050A	.180W	175J	88.000G	20NA	1V	80	.001A
40244	N S	RCA	217	TO104	35		3.0	.050A	.180W	175J	FM OSC	20NA	1V	65	.001A
40245	N S	RCA	217	TO104	35		3.0	.050A	.180W	175J	FM IF	20NA	1V	120	.001A
40246	N S	RCA	217	TO104	35		3.0	.050A	.180W	175J	FM IF	20NA	1V	55	.001A
40250	N S	RCA	605	TO 66	50	40	5.0	4.000A	29.000W	200J	1.000G	1MA	30V	50	1.500A
40250V1	N S	RCA	720	720A	50	40	5.0	4.000A	5.800W	200J	1.000G	1MA	30V	50	1.500A
40251	N S	RCA	605	TO 3	50	40	5.0	15.000A	117.000W	200J	.500G	2MA	40V	30	8.000A
40253	P G	RCA	120	TO 1	25	25	2.5	.500A	.125W	90J	1.000G	14UA	12V	76	.400A
40254	P G	RCA	605	TO 3	32	32R	5.0	5.000A	12.500W	100J	.300G	3MA	30V	70	1.000A
40261	P G	RCA	120	TO 1	50		.5		.080W	85J	40.000G	12UA	12V	80	
40262	P G	RCA	120	TO 1	50		.5		.080W	85J	30.000G	12UA	12V	160	
40263	P G	RCA	120	TO 1	20	18R	2.5		.120W	100J	10.000B	12UA	20V	180	
40264	-N S	RCA	622	622A	300	300X	3.0		4.000W	150J	25.000G	100UA	300V	70	
40268	-N G	RCA	211	TO 18	25	15S	1.0	.100A	.100W	100J	250.000G	10UA	12V	50	.001A
40269	P G	RCA	211	TO 5	25		12.0	.100A	.150W	85J	4.000G	5UA	12V	100	.012A
40279		SEE RF POWER SECTION													
40280		SEE RF POWER SECTION													
40281		SEE RF POWER SECTION													
40282		SEE RF POWER SECTION													
40283	-N S	RCA	211	TO 46	60	30	5.0		.400W	200J	250.000G	500NA	30V	10	.500A
40290		SEE RF POWER SECTION													
40291		SEE RF POWER SECTION													
40292		SEE RF POWER SECTION													
40294	N S	RCA	217	TO 72	30	15	2.5	.040A	.200W	200J	1000.000G	10NA	15V	70	.003A
40295	N S	RCA	217	TO 72	35	20	3.0	.040A	.200W	200J	700.000G	10NA	15V	80	.002A
40296	N S	RCA	217	TO 72	30	15	2.5	.040A	.200W	200J	1000.000G	10NA	15V	68	.003A
40305		SEE RF POWER SECTION													
40306		SEE RF POWER SECTION													
40307		SEE RF POWER SECTION													
40309	N S	RCA	210	TO 5		18	2.5	.700A	1.000W	200J	50.000G	250NA	15V	160	.050A
40310	N S	RCA	605	TO 66		35	2.5	4.000A	29.000W	200J	.375G	10NA	15V	50	1.000A
40311	N S	RCA	210	TO 5		30	2.5	.700A	1.000W	200J	50.000G	250NA	15V	160	.050A
40312	N S	RCA	605	TO 66		60R	2.5	4.000A	29.000W	200J	.375G	10NA	15V	50	1.000A
40313	N S	RCA	605	TO 66		300R	2.5	2.000A	35.000W	200J	AUO	5MA	150V	100	.100A
40314	N S	RCA	210	TO 5		40	2.5	.700A	1.000W	200J	50.000G	250NA	15V	160	.050A
40315	N S	RCA	210	TO 5		35	2.5	.700A	1.000W	200J	50.000G	250NA	15V	160	.050A
40316	N S	RCA	605	TO 66		40	5.0	4.000A	29.000W	200J	.375G	10UA	15V	50	1.000A
40317	N S	RCA	210	TO 5		40	2.5	.700A	1.000W	200J	100.000G	250NA	15V	90	.010A
40318	N S	RCA	605	TO 66		300R	6.0	2.000A	35.000W	200J	AUO	5MA	150V	80	.020A
40319	P S	RCA	210	TO 5		40	2.5	.700A	1.000W	200J	50.000G	250NA	15V	80	.050A
40320	N S	RCA	210	TO 5		40	2.5	.700A	1.000W	200J	AUO	250NA	15V	90	.050A
40321	N S	RCA	210	TO 5		300R	5.0	1.000A	1.000W	200J	AUO	100UA	150V	80	.020A
40322	N S	RCA	605	TO 66		300R	6.0	2.000A	35.000W	200J	AUO	5MA	150V	80	.020A
40323	N S	RCA	210	TO 5		18	2.5	.700A	1.000W	200J	50.000G	250NA	15V	160	.050A
40324	N S	RCA	605	TO 66		35	2.5	4.000A	29.000W	200J	.375G	10UA	15V	50	1.000A
40325	N S	RCA	605	TO 3	35	35	5.0	15.000A	117.000W	200J	AUO	5MA	30V	28	8.000A
40326	N S	RCA	210	TO 5		40	2.5	.700A	1.000W	200J	AUO	250NA	15V	90	.010A
40327	N S	RCA	210	TO 5		300R	5.0	1.000A	1.000W	200J	AUO	100UA	150V	80	.020A
40328	N S	RCA	605	TO 66		300R	6.0	2.000A	35.000W	200J	AUO	5UA	150V	40	1.000A
40329	N S	RCA	120	TO 1	25	25R	2.5	.100A	.125W	100J	.750G	14UA	12V	90	.025A
40340		SEE RF POWER SECTION													
40341		SEE RF POWER SECTION													
40342	-N S	RCA	540	TO 60	65	65	4.0	3.000A	23.000W	200J		250NA	30V	20	.300A
40343	-N S	RCA	540	TO 60	65	65	4.0	3.000A	23.000W	200J		250NA	30V	20	
40346	N S	RCA	211	TO 5	200	175R		1.000A	1.000W	200J	10.000G	5UA	200V	50	.010A
40346V1	N S	RCA	722	722A		175R		1.000A	4.000W	200J	10.000G	5UA	100V	50	.010A
40346V2	N S	RCA	635	635B		175R		1.000A	10.000W	200J	10.000G	5UA	100V	50	.010A
40347	N S	RCA	211	TO 5	60	40	7.0	1.000A	1.000W	200J	.500G	1UA	30V	40	.450A
40347V1	N S	RCA	722	722B	60	40	7.0	1.500A	4.400W	200J	.500G	1UA	30V	40	.450A
40347V2	N S	RCA	635	635B	60	40	7.0	1.500A	11.700W	200J	.500G	1UA	30V	40	.040A
40348	N S	RCA	211	TO 5	90	65	7.0	1.000A	1.000W	200J	.500G	1UA	60V	54	.300A
40348V1	N S	RCA	722	722B	90	65	7.0	1.500A	4.400W	200J	.500G	1UA	60V	55	.300A
40348V2	N S	RCA	635	635B	90	65	7.0	1.500A	11.700W	200J	.500G	1UA	60V	55	.055A
40349	N S	RCA	211	TO 5	160	140	7.0	1.000A	1.000W	200J	.500G	10UA	100V	50	.150A
40349V1	N S	RCA	722	722B	160	140	7.0	1.500A	4.400W	200J	.500G	1UA	90V	50	.150A
40349V2	N S	RCA	635	635B	160	140	7.0	1.500A	11.700W	200J	.500G	1UA	90V	50	.050A
40354	N S	RCA	211	211L		150	5.0	.050A	.500W	175J	50.000G	100NA	120V	56	.010A
40355	N S	RCA	211	211M		150	5.0	.050A	1.000W	175J	50.000G	100NA	120V	56	.010A
40359	P G	RCA	170	TO 1	20	18R	2.5	.050A	.120W	100J	10.000B	12UA	15V	100	.001A
40360	N S	RCA	210	TO 5		70	4.0	.700A	1.000W	200J	100.000G	1UA	60V	90	.010A
40361	N S	RCA	210	TO 5		70R	4.0	.700A	1.000W	200J	100.000G	1UA	60V	160	.050A
40362	P S	RCA	210	TO 5		70R	4.0	.700A	1.000W	200J	100.000G	1UA	60V	90	.050A
40363	N S	RCA	605	TO 3		70R	4.0	15.000A	115.000W	200J	.700G	500UA	60V	38	4.000A
40364	N S	RCA	605	TO 66		60R	4.0	7.000A	35.000W	200J	15.000G	500UA	50V	80	.500A
40366	N S	RCA	211	TO 5	120	65	7.0	1.000A	1.000W	200J	AUO	2NA	60V	70	.150A
40367	N S	RCA	211	TO 5	100	55	12.0	1.500A	1.000W	200J	LS SW	4UA	30V	60	.200A
40368	N S	RCA	170	TO 8	100	55	12.0	3.000A	25.000W	200J	AUO	9UA	30V	60	.750A
40369	N S	RCA	605	TO 3	100	55	10.0	6.000A	75.000W	200J	AUO	10UA	30V	44	1.500A
40372	N S	RCA	720	720A	90	55	7.0	4.000A	5.800W	200J	.800G	1MA	90V	50	.500A
40373	N S	RCA	726	726A	160	140	7.0	3.000A	5.800W	200J	.800G	1MA	140V	40	.500A
40374	N S	RCA	720	720A	250	175	6.0	2.000A	5.800W	200J	15.000G	10MA	150V	20	1.000A

Transistor Type No.	N G / / P S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T_j(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
40375	N S	RCA	720	720A	120	50	7.0	7.000A	5.800W	200J	4.000G	5MA	40V	100	.500A
40385	N S	RCA	211	TO 5	450	350	7.0	1.000A	1.000W	200J	AUD	20UA	300V	80	.020A
40389	N S	RCA	722	722A	60	40	5.0	.700A	3.500W	200J	.800G	250NA	30V	112	.150A
40390	N S	RCA	722	722A	300	250	7.0	1.000A	3.500W	200J	8.666G	50UA	200V	80	.020A
40391	P S	RCA	722	722A	60	40	7.0	1.000A	3.500W	200J	60.000G	250NA	60V	112	.150A
40392	N S	RCA	635	635B	60	40	5.0	.700A	7.000W	200J	.800G	250NA	30V	112	.150A
40394	P S	RCA	635	635B	60	40	7.0	1.000A	7.000W	200J	60.000G	250NA	60V	112	.150A
40395	P G	RCA	120	TO 1	20	18R	20.0	.050A	.120W	100J	10.000G	12UA	20V		
40397	N S	RCA	211	211L		25	7.5	.200A	.400W	175J	50.000G	100NA	25V	246	.100A
40398	N S	RCA	211	211L		25	7.5	.200A	.400W	175J	50.000G	100NA	25V	140	.100A
40399	N S	RCA	211	211L		18	7.0	.200A	.400W	175J	50.000G	500NA	12V	246	.100A
40400	N S	RCA	211	211L		18	7.0	.200A	.400W	175J	50.000G	500NA	12V	140	.100A
40403	-P G	RCA	212	TO 5	30	20	20.0	.200A	.200W	85J	5.000B	6UA	20V	68	.010A
40404	-N S	RCA	211	TO 52	40	16	5.0	.500A	.300W	175J	310.000G	25NA	20V	40	.050A
40405	N S	RCA	211	TO 52	40	16	6.0	.500A	.300W	175J	300.000G	400NA	15V	40	.100A
40406	P S	RCA	211	TO 5		50	4.0	.700A	1.000W	200J	100.000G	1UA	40V	80	.001A
40407	N S	RCA	211	TO 5		50	4.0	.700A	1.000W	200J	100.000G	1UA	40V	90	.001A
40408	N S	RCA	211	TO 5		90	4.0	.700A	1.000W	200J	100.000G	1UA	80V	90	.010A
40409	N S	RCA	722	722A		90R	4.0	.700A	3.000W	200J	100.000G	1UA	80V	112	.150A
40410	P S	RCA	722	722A		90R	4.0	.700A	3.000W	200J	100.000G	1UA	80V	112	.150A
40411	N S	RCA	605	TO 3		90R	4.0	30.000A	150.000W	200J	800.000G	500UA	80V	60	4.000A
40412	N S	RCA	211	TO 5		250R		1.000A	1.000W	200J	10.000G	1MA	100V	80	.030A
40412V1	N S	RCA	722	722A		250R		1.000A	4.000W	200J	10.000G	1MA	100V	80	.030A
40412V2	N S	RCA	635	635B		250R		1.000A	10.000W	200J	10.000G	1MA	100V	80	.030A
40413	N S	RCA	217	TO 72	35	20	3.0		.200W	200J	700.000G	10NA	15V	80	.002A
40414	N S	RCA	217	TO 72	30	15	2.5		.200W	200J	1000.000G	10NA	15V	58	.003A
40421	P G	RCA	605	TO 3	75	50	1.5	5.000A	12.500W	100J	2.000G	1MA	40V	100	1.000A
40422	-N S	RCA	605	TO 66	300	300X	2.0	.150A	8.000W	150J	25.000G	100UA	300V	80	.050A
40423	-N S	RCA	720	720B	300	300X	2.0	.150A	3.800W	150J	25.000G	100UA	300V	80	.050A
40424	-N S	RCA	605	TO 66	300	300X	2.0	.150A	8.000W	150J	25.000G	100UA	300V	60	.050A
40425	-N S	RCA	720	720B	300	300X	2.0	.150A	3.800W	150J	25.000G	100UA	300V	60	.050A
40426	-N S	RCA	605	TO 66	300	300X	2.0	.150A	8.000W	150J	25.000G	100UA	300V	35	.050A
40427	-N S	RCA	720	720B	300	300X	2.0	.150A	3.800W	150J	25.000G	100UA	300V	35	.050A
40439	P G	RCA	605	TO 3	320		2.0	10.000A	5.000W	85J	HORAMP	200UA	10V		
40440	-P G	RCA	605	TO 3	200		2.0	10.000A	5.000W	85J	HORAMP	200UA	10V		
40444	-N S	RCA	605	TO 3	120	60	7.0	20.000A	140.000W	200J	60.000G	20MA	40V	68	2.000A
40446		SEE RF POWER SECTION													
40450	N S	RCA	211	211M	30	25	7.5		1.000W	175J	175.000G	100NA	25V	150	.010A
40451	N S	RCA	211	211M	40	40	8.0		1.000W	175J	175.000G	10NA	25V	200	.010A
40452	N S	RCA	211	211M		40	8.0	.300A	1.000W	175J	50.000G	10NA	25V	150	.010A
40453	N S	RCA	211	211M		25	7.5	.200A	1.000W	175J	50.000G	100NA	25V	300	.010A
40454	N S	RCA	211	211M		25	7.5	.200A	1.000W	175J	50.000G	100NA	25V	150	.010A
40455	N S	RCA	211	211M		18	7.0	.200A	1.000W	175J	50.000G	500NA	12V	300	.010A
40456	N S	RCA	211	211M		18	7.0	.200A	1.000W	175J	50.000G	500NA	12V	150	.010A
40458	N S	RCA	211	TO104	60	40	8.0	1.000A	.500W	175J	150.000G	10NA	25V	150	.010A
40459	N S	RCA	211	211M	60	40	8.0	1.000A	1.000W	175J	150.000G	10NA	25V	150	.010A
40462	P G	RCA	605	TO 3	40	40	5.0	5.000A	12.500W	100J	.600G	500UA	30V	90	1.000A
40464	-N S	RCA	605	TO 3	35	35	4.0	5.000A	40.000W	150J	2.000G	250UA	35V	60	2.000A
40465	-N S	RCA	605	TO 3	40	40	4.0	5.000A	40.000W	150J	3.000G	100UA	40V	90	2.000A
40466	-N S	RCA	605	TO 3	50	50	4.0	5.000A	40.000W	150J	3.000G	100UA	50V	90	2.000A
40469	-N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	800.000G	1UA	45V	80	.001A
40470	-N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	700.000G	1UA	45V	80	.001A
40471	-N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	700.000G	1UA	45V	52	.001A
40472	N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	900.000G	1UA	45V	80	.001A
40473	N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	900.000G	1UA	45V	100	.001A
40474	N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	900.000G	1UA	45V	96	.001A
40475	-N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	800.000G	1UA	45V	80	.001A
40476	-N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	800.000G	1UA	45V	52	.001A
40477	N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	800.000G	1UA	45V	96	.001A
40478	N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	800.000G	1UA	45V	80	.001A
40479	N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	800.000G	1UA	45V	80	.001A
40480	N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	800.000G	1UA	45V	96	.001A
40481	N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	860.000G	1UA	45V	140	.001A
40482	N S	RCA	218	TO104	45		3.0	.050A	.180W	175J	860.000G	1UA	45V	48	.001A
40487	P G	RCA	120	TO 1	50	34X	1.5	.010A	.080W	85J	40.000G	12UA	12V	150	.001A
40488	P G	RCA	120	TO 1	12	12X	.5	.010A	.080W	85J	30.000G	12UA	12V	80	.001A
40489	P G	RCA	120	TO 1	50	34X	.5	.010A	.080W	85J	30.000G	12UA	12V	180	.001A
40490	P G	RCA	120	TO 1	20	18R	2.5	.020A	.120W	100J	10.000B	12UA	20V	300	.001A
40491	-N S	RCA	720	720B	300	300	2.0	.150A	3.800W	150J	25.000G	100UA	300V	60	.050A
40517	N S	RCA	217	TO 72	30	15	2.5	.040A	.200W	200J	1000.000G	10NA	15V	66	.003A
40518	N S	RCA	217	TO 72	30	15	2.5	.040A	.200W	200J	1000.000G	10NA	15V	66	.003A
40519	N S	RCA	211	TO 52		16	5.0	.500A	.300W	175J	300.000G	25NA	20V	40	.050A
40537	P S	RCA	211	TO 5		55R	5.0	.700A	1.000W	200J	100.000G	10UA	45V	125	.050A
40538	P S	RCA	211	TO 5		55R	5.0	.700A	1.000W	200J	100.000G	10UA	45V	37	.500A
40539	N S	RCA	211	TO 5		55R	5.0	.700A	1.000W	200J	100.000G	10UA	45V	37	.500A
40542	N S	RCA	980	980A		50R	5.0	6.000A	83.000W	150J	.800G	1MA	40V	38	2.500A
40543	N S	RCA	980	980A		60R	5.0	8.000A	83.000W	150J	.800G	1MA	50V	38	3.000A
40544	N S	RCA	635	635B		50R	5.0	.700A	7.000W	200J	100.000G	10UA	45V	85	.050A
40546	-N S	RCA	605	TO 66		250X	2.0	.150A	8.000W	150J	25.000G	100UA	250V	88	.050A
40547	-N S	RCA	605	TO 66		250X	2.0	.150A	8.000W	150J	25.000G	100UA	250V	82	.050A
40577		SEE RF POWER SECTION													
40578		SEE RF POWER SECTION													
40581		SEE RF POWER SECTION													
40582		SEE RF POWER SECTION													
40594	N S	RCA	211	TO 5		95R	4.0	2.000A	1.200W	200J	50.000G	10UA	85V	158	.300A
40595	P S	RCA	211	TO 5		95R	4.0	2.000A	1.200W	200J	50.000G	10UA	85V	158	.300A
40605		SEE RF POWER SECTION													
40608	N S	RCA	211	TO 39	40	40R	2.0	.400A	3.500W	200J	700.000G	100UA	20V	65	.050A
40611	N S	RCA	211	TO 5		25	2.5	.700A	1.000W	200J	50.000G	500NA	15V	195	.050A
40612	P G	RCA	605	TO 3		25R	5.0	5.000A	12.500W	100J	.300G	3UA	30V	68	1.000A
40613	N S	RCA	53	53A		25	5.0	4.000A	36.000W	150J	.800G	2UA	25V	60	1.000A
40616	N S	RCA	211	TO 5		32	2.5	.700A	1.000W	200J	50.000G	500NA	15V	195	.050A
40618	N S	RCA	53	53A		30	5.0	4.000A	36.000W	150J	.800G	2UA	30V	60	1.000A
40621	N S	RCA	53	53A		32	5.0	4.000A	36.000W	150J	.800G	500NA	30V	50	1.500A
40622	N S	RCA	53	53A		40	5.0	4.000A	36.000W	150J	.800G	500UA	40V	50	1.500A
40623	P G	RCA	605	TO 3		45R	5.0	5.000A	12.500W	100J	.500G	500UA	30V	92	1.000A
40624	N S	RCA	53	53A		45	5.0	6.000A	50.000W	150J	AUD	500UA	45V	45	2.500A
40625	N S	RCA	722	722B	60	45	7.0	1.000A	3.500W	200J	70.000G	250NA	60V	175	.150A
40626	P G	RCA	605	TO 3		55R	5.0	5.000A	12.500W	100J	.500G	500UA	30V	92	1.000A
40627	N S	RCA	53	53A		55	5.0	6.000A	50.000W	150J	AUD	500UA	55V	45	2.500A
40628	N S	RCA	722	722B	60	55	7.0	1.000A	3.500W	200J	70.000G	250NA	60V	175	.150A
40629	N S	RCA	53	53A		35R	5.0	4.000A	36.000W	150J	.800G	500UA	30V	38	1.000A
40630	N S	RCA	53	53A		40R	5.0	4.000A	36.000W	150J	.800G	500UA	35V	38	1.500A
40631	N S	RCA	53	53A		45R	5.0	4.000A	36.000W	150J	.800G	500UA	40V	38	2.000A
40632	N S	RCA	53	53A		60R	5.0	6.000A	50.000W	150J	AUD	500UA	50V	38	3.000A
40633	N S	RCA	980	980A		75R	5.0	8.000A	83.000W	200J	.800G	500UA	65V	38	4.000A
40634	P S	RCA	211	TO 5		75R	7.0	.700A	1.000W	200J	60.000G	10UA	65V	112	.150A
40635	N S	RCA	211	TO 5		75R	7.0	.700A	1.000W	200J	100.000G	10UA	65V	112	.150A
40636	N S	RCA	605	TO 3		95R	7.0	15.000A	115.000W	200J	AUD	500UA	85V	38	4.000A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @ V_{cb}		Gain h_{fe} @ I_c	
40637	N	S	RCA	211	TO 52		30S	5.0	.100A	.300W	175J	100.000G				
40665			SEE RF POWER SECTION													
40666			SEE RF POWER SECTION													
95101			SEE 2N1526													
95102			SEE 2N1524													
95103			SEE 2N1524													
95107			SEE 2N1526													
95108			SEE 2N1745													
95109			SEE 2N501													
95110			SEE 2N501													
95111			SEE 2N1865													
95112			SEE 2N2711													
95113			SEE 2N2712													
95114			SEE 2N193													
95115			SEE 2N211													
95116			SEE 2N769													
95117			SEE 2N769													
95201			SEE 2N406													
95202			SEE 2N649													
95203			SEE 2N408													
95204			SEE 2N270													
95208			SEE 2N2374													
95209			SEE 2N2376													
95212			SEE 2N321													
95214			SEE 2N406													
99101			SEE 2SA84													
99102			SEE 2SA83													
99103			SEE 2SA83													
99104			SEE 2SA15													
99201			SEE 2SB75													
99203			SEE 2SB77													
99204			SEE 2SB89													
A104	-N	S	AMP	211	TO 18	20		4.0	.030A	.300W		30.000G	100NA		100	
A106	-N	S	AMP	211	TO 18	20		4.0	.030A	.300W		30.000G	100NA		90	
A108	-N	S	AMP	211	TO 18	20		4.0	.030A	.300W		30.000G	100NA		180	
A110	-N	S	AMP	211	TO 18	20		4.0	.030A	.300W		30.000G	100NA		360	
A111	-N	S	AMP	211	TO 18	30		4.0	.030A	.300W		30.000G	100NA		180	
A115	-N	S	AMP	211	TO 18	30		4.0	.030A	.300W		30.000G	110NA		50	
A116	-N	S	AMP	211	TO 18	30		4.0	.030A	.300W		30.000G	100NA		110	
A130	-N	S	AMP	211	TO 5	90		4.0		.300W		20.000G	500NA		20	
A141	N	S	AMP	43	43A	20			.050A	.030W		150.000G			130	.001A
A142	N	S	AMP	43	43A	20			.050A	.030W		150.000G			220	.001A
A143	N	S	AMP	43	43A	20			.050A	.030W		150.000G			380	.001A
A151	N	S	AMP	133	133A	20			.050A	.030W		150.000G			130	.001A
A152	N	S	AMP	133	133A	20			.050A	.030W		150.000G			220	.001A
A153	N	S	AMP	133	133A	20			.050A	.030W		150.000G			380	.001A
A157B	N	S	AMP	210	TO 18	45		5.0	.100A	.300W		300.000G			300	.002A
A157C	N	S	AMP	210	TO 18	45		5.0	.100A			300.000G			600	.002A
A158B	N	S	AMP	210	TO 18	20		5.0	.100A	.300W		300.000G			300	.002A
A158C	N	S	AMP	210	TO 18	20		5.0	.100A	.300W		300.000G			600	.002A
A159B	N	S	AMP	210	TO 18	20		5.0	.100A	.300W		300.000G			300	.002A
A159C	N	S	AMP	210	TO 18	20		5.0	.100A	.300W		300.000G			600	.002A
A177	P	S	AMP	210	TO 18	50		5.0	.200A	.300W		130.000G			140	.002A
A178A	P	S	AMP	210	TO 18		25	5.0	.100A	.300W		130.000G			180	.002A
A178B	P	S	AMP	210	TO 18		25	5.0	.100A	.300W		130.000G			180	.002A
A179A	P	S	AMP	210	TO 18		25	5.0	.100A	.300W		130.000G			180	.002A
A179B	P	S	AMP	210	TO 18		25	5.0	.100A			130.000G			290	.002A
A201	N	S	AMP	540	TO 60	36			1.500A	11.600W		400.000G			3	
A202	N	S	AMP	540	TO 60	36			3.000A	23.200W		400.000G			3	
A210	N	S	AMP	210	TO 39	40			.200A	.700W		1200.000G			38	.150A
A211	N	S	AMP	210	TO 39	40			.200A	.700W		800.000G			38	.150A
A306	-N	S	AMP	210	TO 18	25	20	5.0		.360W	200J	100.000G	10NA	15V	140	
A307	-N	S	AMP	210	TO 18	25	20	5.0		.360W	200J	100.000G	10NA	15V	350	
A310	-N	S	AMP	211	TO 5	135		3.0		.300W		80.000G	500NA		20	
A311	-N	S	AMP	211	TO 5	80		3.0		.300W		60.000G	500NA		20	
A323	-N	S	AMP	211	TO 18	60		6.0	.030A	.300W	175J	30.000G	10NA	45V	270	.010A
A324	-N	S	AMP	211	TO 18	60		6.0	.030A	.300W	175J	30.000G	10NA	45V	450	.010A
A344	-N	S	AMP	210	TO 18	20	15	5.0	.200A	.300W	175J	350.000G	100NA	20V	32	.100A
A345	-N	S	AMP	210	TO 18	20	15	5.0	.200A	.300W	175J	350.000G	100NA	20V	26	.100A
A346	-N	S	AMP	210	TO 18	20	15	5.0	.200A	.300W	175J	350.000G	100NA	20V	38	.100A
A321	N	S	AMP	211	TO 18	30		5.0	.030A	.300W		30.000G	100NA	30V	80	.001A
A322	N	S	AMP	211	TO 18	30		5.0	.030A	.300W		30.000G	100NA	30V	300	.001A
A415	N	S	AMP	218	TO 72	50	10		.030A	.165W		200.000G			10	.001A
A417	N	S	AMP	218	TO 72		20	5.0	.030A	.145W		250.000G			22	
A418	N	S	AMP	218	TO 72		20	5.0	.030A	.145W		200.000G			22	
A419	N	S	AMP	218	TO 72		20	5.0	.030A	.145W		200.000G			90	
A420	N	S	AMP	218	TO 72		20	5.0	.030A	.145W		200.000G			112	
A430	N	S	AMP	217	TO 72		10	2.5	.050A	.250W		1600.000G			12	
A467	N	S	AMP	218	TO 72		40		.030A	.150W		235.000G			80	
A473	N	S	AMP	218	TO 72		40		.035A	.230W		550.000G			100	
A482	N	S	AMP	218	TO 72		10		.015A	.130W		675.000G				
A483	N	S	AMP	218	TO 72		10		.015A	.130W		600.000G				
A484	N	S	AMP	218	TO 72				.020A	.130W		550.000G				
A485	N	S	AMP	217	TO 72	30		2.5	.030A	.200W	200J	1000.000G	10NA	15V	63	.002A
A490	N	S	AMP	217	TO 72	30		2.5	.030A	.200W	200J	1000.000G	10NA	15V	70	.015A
A492	N	S	AMP	217	TO 72	30		2.5	.030A	.200W	200J	800.000G	10NA	15V	25	.002A
A496	N	S	AMP	984	984A		30	4.0	.025A	.250W		400.000G				
A497	N	S	AMP	984	984A		25	4.0	.025A	.250W		550.000G				
A667-GRN	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	350	
A667-ORG	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	136	
A667-REO	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	76	
A667-YEL	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	224	
A668-GRN	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	350	
A668-ORG	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	136	
A668-YEL	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	224	
A669-GRN	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	350	
A669-YEL	-N	S	GEC	45	TO 98	18	18	5.0	.100A	.200W	100J		500NA	18V	224	
A747	N	S	AMP	985	985A	45		5.0	.100A	.300W		250.000G			250	.010A
A748	N	S	AMP	985	985A	20		5.0	.100A	.300W		250.000G			10	.002A
A749	N	S	AMP	985	985A	20		5.0	.100A	.300W		95.000G			300	.001A
A757	P	S	AMP	985	985A	50		5.0	.200A	.220W		130.000G			140	
A758	P	S	AMP	985	985A		25	5.0	.100A	.220W		130.000G			200	
A759	P	S	AMP	985	985A		20	5.0	.100A	.220W		130.000G			200	
A777	N	S	AMP	211	TO 5	85		5.0	.050A	.600W		120.000G			20	
A778	N	S	AMP	211	TO 5	145		5.0	.050A	.600W		120.000G			20	
A779	N	S	AMP	211	TO 5	200		5.0	.050A	.600W		120.000G			20	
A1238	-N	S	AMP	210	TO 18	30	20	5.0		.360W	200J	50.000G	20NA	30V	200	
A1243			SEE 2N3399													
A1379	-N	S	AMP	210	TO 18	30	25	5.0	.030A	.600W	175J	20.000G	10NA	5V	60	

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{r,n}$	$V_{r,}$	$V_{r,n}$	Maximum $I_{}$	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{r,n}$ @	$V_{r,n}$	Gain $h_{r,}$ @	$I_{}$
A1380	-N	S	AMP	210	TO 18	30	25	5.0	.030A	.600W	175J	20.000G	10NA	5V	200	
A1383	P	G	AMP	217	TO 12	32	15	1.2	.030A	.120W	100J	40.000G	3UA	10V	100	.001A
A1384	-P	G	AMP	210	TO 39	32	32		.030A	.120W	90J	80.000G	3UA	10V	70	.001A
AA1	P	G	WTV	120	TO 1							CON				
AA2	N	S	WTV	210	TO 5							CON				
AA3	P	G	WTV	75	TO 7							RF AMP				
AA4	P	G	WTV	605	TO 3							AUO				
AA5	P	G	WTV	405	TO 39							AUO				
AC105			SEE AC117													
AC106			SEE AC117													
AC107	P	G	AMP,RAO	55	55A	15	5	5.0	.005A	.080W	75J	2.000B	3UA	5V	60	
AC116	P	G	TFK	210	210D	30	18	12.0	.100A	.225W	90J	.015B	4UA	6V	85	
AC117	P	G	TFK	210	210O	32	18	10.0	2.000A	1.100W	90J	.010B	6UA	6V	120	.050A
AC121	P	G	SIH	120	TO 1	20	20	10.0	.300A	.900W	90J	1.500G	25UA	20V	92	.100A
AC122-GRN	P	G	TFK	210	210C	30	18	12.0	.200A	.090W	90J	.015B	5UA	6V	114	.002A
AC122-RED	P	G	TFK	210	210C	30	18	12.0	.200A	.090W	90J	.015B	5UA	6V	52	.002A
AC122-VIO	P	G	TFK	210	210C	30	18	12.0	.200A	.090W	90J	.015B	5UA	6V	166	.002A
AC122-WHT	P	G	TFK	210	210C	30	18	12.0	.200A	.090W	90J	.015B	5UA	6V	230	.002A
AC122-YEL	P	G	TFK	210	210C	30	18	12.0	.200A	.090W	90J	.015B	5UA	6V	76	.002A
AC122/30-GRN	P	G	TFK	210	210C	45	32	12.0	.200A	.090W	90J	.015B	5UA	6V	114	.002A
AC122/30-RED	P	G	TFK	210	210C	45	32	12.0	.200A	.090W	90J	.015B	5UA	6V	52	.002A
AC122/30-VIO	P	G	TFK	210	210C	45	32	12.0	.200A	.090W	90J	.015B	5UA	6V	166	.002A
AC122/30-WHT	P	G	TFK	210	210C	45	32	12.0	.200A	.090W	90J	.015B	5UA	6V	230	.002A
AC122/30-YEL	P	G	TFK	210	210C	45	32	12.0	.200A	.090W	90J	.015B	5UA	6V	76	.002A
AC123	P	G	TFK	210	2100	45	32	12.0	.100A	.225W	90J	.015B	4UA	6V	85	
AC124	P	G	TFK	210	2100	45	32	10.0	2.000A	1.100W	90J	.011B	8UA	6V	46	
AC125	P	G	RAO	170	170A	32	32		.200A	.500W	75J	1.700B			130	
AC126	P	G	RAD	170	170A	32	32		.200A	.500W	75J	2.300B			220	
AC127	N	G	RAO	170	170A	32	32	10.0	.200A	.500W	75J	1.700G	10UA	1V	130	.500A
AC128	P	G	RAO	170	170A	32	32		1.000A	.650W	90J	1.500B			90	
AC129	-P	G	TFK	901	901A	9	6	5.0		.030W	60J	AUO	800NA	2V	30	
AC130	N	G	RAD	170	170A	20	15		.100A	.145W	90J	2.000B			50	
AC131	P	G	TFK	210	210C	30	18	10.0	2.000A	.750W	90J	.010B	6UA	6V	120	.150A
AC131/30	P	G	TFK	210	210C	45	32	10.0	2.000A	.750W	90J	.010B	8UA	30V	120	.150A
AC132	P	G	RAO	170	170A	32	32		.200A	.500W	75J	2.000B			150	
AC150-GRN	P	G	TFK	210	210C	30	18	12.0		.060W	75J	.015B	5UA	6V	110	.001A
AC150-YEL	P	G	TFK	210	210C	30	18	12.0		.060W	75J	.015B	5UA	6V	74	.001A
AC151	P	G	SIH	120	TO 1	32	24	10.0	.200A	.900W	90J	1.500G	25UA	32V	47	.002A
AC151R	P	G	SIH	120	TO 1	32	24	10.0	.200A	.900W	90J	1.500G	25UA	32V	47	.002A
AC152	P	G	SIH	120	TO 1	32	24	10.0	.500A	.900W	90J	1.500G	25UA	32V	68	.100A
AC153	P	G	SIH	120	TO 1	32	32X	10.0	1.000A	1.000W	90J	1.500G	10UA	10V	112	.300A
AC153K	P	G	SIH	210	210K	32	32X	10.0	1.000A	1.000W	90J	1.500G	10UA	10V	112	.300A
AC160-GRN	P	G	TFK	210	210C	15	10	10.0		.030W	75J	.050B	500NA	5V	110	.001A
AC160-RED	P	G	TFK	210	210C	15	10	10.0		.030W	75J	.050B	500NA	5V	50	.001A
AC160-VIO	P	G	TFK	210	210C	15	10	10.0		.030W	75J	.050B	500NA	5V	184	.001A
AC160-YEL	P	G	TFK	210	210C	15	10	10.0		.030W	75J	.050B	500NA	5V	76	.001A
AC162	P	G	SIH	120	TO 1	32	24	10.0	.200A	.900W	90J	1.700G	25UA	32V	93	.002A
AC163	P	G	SIH	120	TO 1	32	24	10.0	.200A	.900W	90J	2.300G	25UA	32V	125	.002A
AC170	P	G	TFK	210	210C	32	15		.200A	.090W	90J	.017B	10UA	10V	124	.002A
AC171	P	G	TFK	210	210C	32	15		.200A	.090W	90J	.017B	10UA	10V	210	.002A
AC175	N	G	TFK	210	2100	25	18	10.0	2.000A	1.100W	90J	.020B	10UA	6V	150	.300A
AC176	N	G	SIH	120	TO 1	32	18	10.0	1.000A	1.000W	90J	3.000G	35UA	10V	112	.300A
AC176K	N	G	SIH	210	210K	32	18	10.0	1.000A	1.000W	90J	3.000G	35UA	10V	112	.300A
AC178	P	G	TFK	210	2100	30	18	10.0	1.200A	1.100W	90J	.010B	6UA	6V	185	.150A
AC179	N	G	TFK	210	210D	20	15	10.0	1.200A	1.100W	90J	.020B	10UA	6V	185	.150A
AC186	N	G	TFK	210	210C	30	18	10.0	1.200A	.750W	90J	.020B	10UA	6V	120	.150A
AC187K	N	G	SIH	210	210K	25	15	10.0	1.000A	1.000W	90J	5.000G	35UA	10V	225	.300A
AC188K	-P	G	SIH	210	210K	25	15	10.0	1.000A	1.000W	90J	1.500G	15UA	10V	225	.300A
ACY16	P	G	TFK	210	2100	45	30	10.0	1.000A	.800W	85J	.010B	8UA	30V	60	.300A
ACY23	P	G	SIH	120	TO 1	32	30	16.0	.200A	.150W	90J	1.500G	10UA	10V	88	.001A
ACY24	P	G	TFK	210	2100	70	40	30.0	.750A	.530W	90J	.009B	12UA	25V	42	.150A
ACY32	P	G	SIH	120	TO 1	32	30	16.0	.200A	.150W	90J	1.500G	10UA	10V	88	.001A
ACY33	P	G	SIH	120	TO 1	32	32R	10.0	1.000A	1.100W	90J	1.500G	10UA	10V	163	.300A
ACZ10	-P	G	TFK	55	55F	70	50	30.0	.300A	.400W	75J		25UA	6V		
AO130	P	G	SIH	605	TO 3	32	30	10.0	3.000A	30.000W	90J	.350G	1MA	32V	45	1.000A
AO131	P	G	SIH	605	TO 3	64	45	20.0	3.000A	30.000W	90J	.350G	1MA	64V	45	1.000A
AO132	P	G	SIH	605	TO 3	80	60	20.0	3.000A	30.000W	90J	.350G	1MA	80V	45	1.000A
AD133	P	G	SIH	609	609A	50	32	10.0	15.000A	36.000W	100J	.300G	1MA	50V	45	5.000A
AO136	P	G	SIH	170	TO 8	40	30	10.0	10.000A	11.000W	100J	.300G	1MA	40V	68	5.000A
AO138	P	G	TFK	605	TO 3	40	30	10.0	15.000A	30.000W	90J	.005B	100UA	30V	42	5.000A
AO139	P	G	TFK	605	605F	32	16	10.0	3.000A	11.000W	90J	.010B	100UA	10V	48	1.000A
AD148	P	G	SIH	605	605A	32	32X	10.0	.350A	13.500W	100J	.450G	1MA	32V	55	1.000A
AO149	P	G	TFK,SIH	605	TO 3	50	50X	20.0	3.500A	22.500W	100J	.500G	150UA	50V	43	3.000A
AO150	P	G	SIH	605	TO 3	32	30	10.0	3.500A	27.500W	100J	.450G	1MA	32V	55	1.000A
AO152	P	G	TFK	605	605F	45	30	12.0	2.000A	6.000W	90J	.011B	6UA	6V	85	.300A
AO155	P	G	TFK	605	605F	25	16	12.0	2.000A	6.000W	90J	.011B	6UA	6V	120	.300A
AO159	P	G	TFK	171	TO 8	40	25	10.0	8.000A	9.000W	90J	.008B	800UA	40V	48	5.000A
AO160	P	G	TFK	171	TO 8	40	30	10.0	10.000A	9.000W	90J	.008B	800UA	40V	105	5.000A
AD161	N	G	SIH	605	605A	32	20	10.0	1.000A	4.000W	90J	3.000G	50UA	20V	138	.500A
AD162	P	G	SIH	605	605A	32	20	10.0	1.000A	6.000W	90J	1.500G	40UA	20V	138	.500A
AO163	P	G	SIH	605	TO 3	100	80	20.0	3.000A	30.000W	90J	.350G	1MA	100V	38	1.000A
ADY26	P	G	RAO	405	TO 36	80	60	50.0	25.000A	80.000W	90J	.100B			30	
ADY27	P	G	SIH	605	TO 3	32	30	10.0	3.500A	27.500W	100J	.450G	500UA	32V	55	1.000A
ADZ11	P	G	RAD,MUL	405	TO 36	50	40	30.0	20.000A	80.000W	90J	.100B			35	
AOZ12	P	G	RAO,MUL	405	TO 36	80	60	50.0	15.000A	80.000W	90J	.100B			25	
AF101	-P	G	TFK	55	55D	20	12	8.0		.075W	75J	9.000G	1UA	6V	50	
AF102			SEE 2N2494													
AF105	-P	G	TFK	55	550	25	12	.8		.075W	75J	22.000G	2UA	6V	60	
AF106	P	G	TFK,SIH	217	TO 72	25	18	.3		.060W	90J	220.000G	500NA	12V	65	.001A
AF109R	P	G	SIH	217	TO 72	20	15	.3	.010A	.060W	90J	220.000G	8UA	20V	50	.002A
AF114			SEE 2N2089													
AF115			SEE 2N2089													
AF116			SEE 2N2092													
AF117			SEE 2N2092													
AF118	P	G	SIH	75	TO 7	70		.5	.030A	.375W	75J	175.000G	6UA	6V	180	.010A
AF124	P	G	SIH	218	TO 72	32		1.0	.010A	.060W	75J	75.000G	8UA	6V	140	.001A
AF125	P	G	SIH	218	TO 72	32		1.0	.010A	.060W	75J	75.000G	8UA	6V	140	.001A
AF126	P	G	SIH	218	TO 72	32		1.0	.010A	.060W	75J	75.000G	8UA	6V	140	.001A
AF127	P	G	SIH	218	TO 72	32		1.0	.010A	.060W	75J	75.000G	8UA	6V	140	.001A
AF128	-P	G	TFK	901	901A	9	6	5.0		.150W	60J	6.000B	800NA	2V	40	
AF134	P	G	TFK	217	217B	25	15	.7		.150W	75J	55.000G	2UA	6V	110	
AF135	P	G	TFK	217	217B	25	15	.7		.150W	75J	50.000G	3UA	6V	100	
AF136	P	G	TFK	217	217B	25	15	.7		.150W	75J	28.000G	3UA	6V	80	
AF137	P	G	TFK	217	217B	25	15	.7		.150W	75J	20.000G	3UA	6V	60	
AF138	P	G	TFK	217	217B	25	15	.7		.150W	75J	20.000G	2UA	6V	80	
AF139	P	G	TFK,MOT,SIH	217	TO 72	20	15	.3	.008A	.060W	90J	500.000G	700NA	20V	50	.001A
AF140			SEE 2N3074													
AF181			SEE 2N3075													
AF200	P	G	SIH	218	218E	25		.3	.010A	.225W	90J	1500.000G	10UA	12V	85	.003A

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T_j(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @ V_{cb}		Gain h_{fe} @ I_c	
AF201	P	G	SIH	218	218E	25		.3	.010A	.225W	90J	1000.000G	10UA	12V	85	.003A
AF202	P	G	SIH	218	218E	25		.3	.030A	.225W	90J	1000.000G	10UA	12V	85	.003A
AF202S	P	G	SIH	218	218E	32		.3	.030A	.225W	90J	1000.000G	10UA	12V	85	.003A
AF239	P	G	MOT,SIH	217	TO 72	20	15	.3	.010A	.060W	100J	600.000G	8UA	20V	40	.002A
AF239S	P	G	SIH	217	TO 72		20S	.3	.010A	.060W	90J	780.000G	8UA	20V	50	.002A
AF240	P	G	SIH	217	TO 72		20S	.3	.010A	.060W	90J	500.000G	8UA	20V	25	.002A
AF279	P	G	SIH	906	906A		20S	.3	.010A	.060W	90J	780.000G	15UA	20V	50	.002A
AF280	P	G	SIH	906	906A		20S	.3	.010A	.060W	90J	550.000G	15UA	20V	25	.002A
AFY11	P	G	SIH	211	TO 39	30	15	1.0	.070A	.560W	90J	350.000G	18UA	15V	60	.010A
AFY12	P	G	TFK,SIH	217	TO 72	25	18	.5	.010A	.060W	90J	230.000G	700NA	25V	45	.001A
AFY14	P	G	TFK	210	210D	40	20	.6	.250A	.200W	85J	60.000G	2UA	6V	40	.200A
AFY15	P	G	TFK	210	210C	22	12	8.0	.050A	.065W	85J	16.000G	2UA	22V	80	.001A
AFY16	P	G	TFK,SIH	217	TO 72	30	20	.5	.008A	.060W	90J	500.000G	700NA	20V	90	.005A
AFY18	P	G	SIH	211	TO 39	30	15	.7	.100A	.560W	90J	600.000G	10UA	15V	190	.010A
AFY19	P	G	RAD	210	TO 5	34	34		.010A	2.000W	90J				80	
AFY37	P	G	SIH	217	TO 72	32		.3	.020A	.112W	90J	600.000G	10UA	20V	40	.002A
AFY39	P	G	SIH	218	TO 72	32		.3	.030A	.225W	90J	500.000G	10UA	12V	85	.003A
AFY42	P	G	SIH	217	TO 72	30	25	.3	.010A	.112W	90J	700.000G	30UA	20V	50	.002A
AFZ10	P	G	TFK	55	55F	40	30	.7	.100A	.150W	75J	50.000G			40	
AFZ12	P	G	RAO	217	TO 72	20	20	.5	.010A	.083W	75J	180.000B			90	
ALZ10	P	G	TFK	698	698A	50	28	.6	.500A	.500W	75J	40.000G	2UA	6V	40	
AMF101	N	S	AMF	731	TO 53	30	30S	.5	4.000A	85.000W	200J	1.000B	2MA	15V	30	
AMF102	N	S	AMF	731	TO 53	60	60S	.5	4.000A	85.000W	200J	1.000B	1MA	15V	40	
AMF103	N	S	AMF	731	TO 53	100	100S	.5	4.000A	85.000W	200J	1.000B	1MA	15V	40	
AMF104	N	S	AMF	605	TO 3	30	30S	.5	4.000A	75.000W	200J	1.000B	2MA	15V	40	
AMF105	N	S	AMF	605	TO 3	60	60S	.5	4.000A	75.000W	200J	1.000B	1MA	15V	40	
AMF106	N	S	AMF	605	TO 3	100	100S	.5	4.000A	75.000W	200J	1.000B	1MA	15V	30	
AMF107	N	S	AMF	561	TO 61	30	30S	.5	4.000A	85.000W	200J	1.500B	2MA	15V	34	
AMF108	N	S	AMF	561	TO 61	60	60S	.5	4.000A	85.000W	200J	1.500B	1MA	15V	34	
AMF109	N	S	AMF	561	TO 61	100	100S	.5	4.000A	85.000W	200J	1.500B	1MA	15V	34	
AMF110	N	S	AMF	561	TO 61	60	60S	.5	4.000A	85.000W	200J	1.500B	1MA	15V	34	
AMF111	N	S	AMF	561	TO 61	60	60S	.5	7.500A	85.000W	200J	1.500B	1MA	15V	34	
AMF112	N	S	AMF	731	TO 53	60	60S	.5	7.500A	85.000W	200J	1.000B	1MA	15V	30	
AMF113	N	S	AMF	731	TO 53	60	60S	.5	7.500A	85.000W	200J	1.000B	1MA	15V	30	
AMF114	N	S	AMF	561	TO 61	60	60S	.5	7.500A	85.000W	200J	1.500B	1MA	15V	34	
AMF115	N	S	AMF	605	TO 3	60	60S	.5	7.500A	75.000W	200J	1.000B	1MA	15V	30	
AMF116	N	S	AMF	605	TO 3	60	60S	.5	7.500A	75.000W	200J	1.000B	1MA	15V	30	
AMF117	N	S	AMF	605	TO 3	55	55S	.5	4.000A	75.000W	200J	1.000B	10MA	55V	30	
AMF117A	N	S	AMF	605	TO 3	55	55S	.5	4.000A	75.000W	200J	1.000B	10MA	55V	30	
AMF118	N	S	AMF	605	TO 3	45	45S	.5	4.000A	75.000W	200J	1.000B	10MA	45V	30	
AMF118A	N	S	AMF	605	TO 3	45	45S	.5	4.000A	75.000W	200J	1.000B	10MA	45V	30	
AMF119	N	S	AMF	605	TO 3	35	35S	.5	4.000A	75.000W	250J	1.000B	10MA	35V	30	
AMF119A	N	S	AMF	605	TO 3	35	35S	.5	4.000A	75.000W	250J	1.000B	10MA	35V	30	
AMF120	N	S	AMF	605	TO 3	25	25S	.5	4.000A	75.000W	200J	1.000B	10MA	25V	30	
AMF120A	N	S	AMF	605	TO 3	25	25S	.5	4.000A	75.000W	200J	1.000B	10MA	25V	30	
AMF121	N	S	AMF	731	TO 53	55	55S	.5	4.000A	85.000W	200J	1.000B	10MA	55V	30	
AMF121A	N	S	AMF	731	TO 53	55	55S	.5	4.000A	85.000W	200J	1.000B	10MA	55V	30	
AMF122	N	S	AMF	731	TO 53	45	45S	.5	4.000A	85.000W	200J	1.000B	10MA	45V	30	
AMF122A	N	S	AMF	731	TO 53	45	45S	.5	4.000A	85.000W	200J	1.000B	10MA	45V	30	
AMF123	N	S	AMF	731	TO 53	35	35S	.5	4.000A	85.000W	200J	1.000B	10MA	35V	30	
AMF123A	N	S	AMF	731	TO 53	45	45S	.5	4.000A	85.000W	200J	1.000B	10MA	45V	30	
AMF124	N	S	AMF	731	TO 53	25	25S	.5	4.000A	85.000W	200J	1.000B	10MA	45V	30	
AMF124A	N	S	AMF	731	TO 53	25	25S	.5	4.000A	85.000W	200J	1.000B	10MA	45V	30	
AMF201	N	S	AMF	605	TO 3	30	30S	.5	13.000A	85.000W	160J	1.000B	3MA	15V	20	
AMF201B	N	S	AMF	605	TO 3	80	80S	.5	13.000A	85.000W	160J	1.000B	3MA	30V	20	
AMF201C	N	S	AMF	605	TO 3	100	100S	.5	13.000A	85.000W	160J	1.000B	3MA	30V	20	
AMF201D	N	S	AMF	605	TO 3	190	190S	.5	13.000A	85.000W	160J	1.000B	3MA	30V	20	
AMF210	N	S	AMF	605	TO 3	30	30S	.5	8.000A	80.000W	175J	1.500B	2MA	15V	20	
AMF210A	N	S	AMF	605	TO 3	60	60S	.5	8.000A	80.000W	175J	1.500B	2MA	30V	20	
AMF210B	N	S	AMF	605	TO 3	100	100S	.5	8.000A	80.000W	175J	1.500B	2MA	30V	20	
AMF210C	N	S	AMF	605	TO 3	150	150S	.5	8.000A	80.000W	175J	1.500B	2MA	30V	20	
AMF227	N	S	AMF	412	TO 82	30	30S	.5	7.500A	175.000W	150J	.020E	20MA	30V	20	
AMF227A	N	S	AMF	412	TO 82	60	60S	.5	7.500A	175.000W	150J	.020E	20MA	60V	20	
AMF227B	N	S	AMF	412	TO 82	100	100S	.5	7.500A	175.000W	150J	.020E	20MA	100V	20	
AMF227C	N	S	AMF	412	TO 82	150	150S	.5	7.500A	175.000W	150J	.020E	20MA	150V	20	
AMF228	N	S	AMF	412	TO 82	30	30S	.5	7.500A	175.000W	150J	.020E	20MA	30V	20	
AMF228A	N	S	AMF	412	TO 82	60	60S	.5	7.500A	175.000W	150J	.020E	20MA	60V	20	
AMF228B	N	S	AMF	412	TO 82	100	100S	.5	7.500A	175.000W	150J	.020E	20MA	100V	20	
AMF228C	N	S	AMF	412	TO 82	150	150S	.5	7.500A	175.000W	150J	.020E	20MA	150V	20	
AMF229	N	S	AMF	412	TO 82	30	30S	.5	4.000A	175.000W	150J	.020E	20MA	30V	20	
AMF229A	N	S	AMF	412	TO 82	60	60S	.5	4.000A	175.000W	150J	.020E	20MA	60V	20	
AMF229B	N	S	AMF	412	TO 82	100	100S	.5	4.000A	175.000W	150J	.020E	20MA	100V	20	
AMF229C	N	S	AMF	412	TO 82	150	150S	.5	4.000A	175.000W	150J	.020E	20MA	150V	20	
ASY23	P	G	RAO	210	TO 5	80	60	20.0	.300A	.180W	75J	.700B			20	
ASY24	P	G	TFK	210	210C	50	25	.7	.250A	.065W	85J	22.000G	2UA	6V	66	.200A
ASY24B	P	G	TFK	210	210C	35	20	.6	.250A	.065W	85J	22.000G	3UA	35V	65	.200A
ASY26	P	G	RAD,SIH,TFK	210	TO 5	30	25	20.0	.100A	.125W	75J	4.000B	2UA	5V	30	.100A
ASY27	P	G	RAD,SIH,TFK	210	TO 5	25	20	20.0	.100A	.125W	75J	6.000B	2UA	5V	50	.100A
ASY28	N	G	RAO,TFK	210	TO 5	30	25	20.0	.100A	.125W	75J	4.000B	2JA	5V	30	.100A
ASY29	N	G	RAD,TFK	210	TO 5	25	20	20.0	.100A	.125W	75J	6.000B	2UA	5V	50	.100A
ASY30	P	G	TFK	210	2100	50	25	.7	.250A	.200W	85J	22.000G	2UA	6V	66	.200A
ASY48	P	G	SIH	120	TO 1	64	45	16.0	.300A	.900W	90J	1.200G	18UA	64V	68	.100A
ASY70	P	G	SIH	120	TO 1	32	30	16.0	.300A	.900W	90J	1.500G	18UA	32V	68	.100A
ASZ15	P	G	RAD	605	TO 3	80	60	40.0	8.000A	43.000W	90J	.250B			32	
ASZ16	P	G	RAO	605	TO 3	60	48	20.0	8.000A	43.000W	90J	.250B			90	
ASZ17	P	G	RAO	605	TO 3	60	48	20.0	8.000A	43.000W	90J	.250B			50	
ASZ18	P	G	RAO	605	TO 3	80	60	40.0	8.000A	43.000W	90J	.250B			70	
ASZ21	P	G	RAD	210	TO 18	20	15	2.5	.030A	.100W	75A	300.000B			50	
AT10H	P	G	SEM	210	TO 5	15	10	6.0	.100A	.100W		.500G			100	
AT10M	P	G	SEM	210	TO 5	15	10	6.0	.100A	.100W		.500G			50	
AT10N	P	G	SEM	210	TO 5	15	10	6.0	.100A	.100W		.500G			30	
AT20H	P	G	SEM	210	TO 5	25	15	10.0	.200A	.200W		1.000G			150	
AT20M	P	G	SEM	210	TO 5	25	15	10.0	.200A	.200W		1.000G			70	
AT20N	P	G	SEM	210	TO 5	25	15	10.0	.200A	.200W		1.000G			40	
AT30H	P	G	SEM	210	TO 5	45	20	20.0	.400A	.250W		.500G			150	
AT30M	P	G	SEM	210	TO 5	45	20	20.0	.400A	.250W		.500G			70	
AT30N	P	G	SEM	210	TO 5	45	20	20.0	.400A	.250W		.500G			40	
AT100H	P	G	SEM	210	TO 5	40	30	15.0	1.000A	20.000W		.200G			75	
AT100M	P	G	SEM	210	TO 5	40	30	15.0	1.000A	20.000W		.200G			50	
AT100N	P	G	SEM	210	TO 5	40	30	15.0	1.000A	20.000W		.200G			30	
AUY10	P	G	RAD	605	TO 3	70	60	1.5	.700A	12.500W	75J	120.000B			80	
AUY18	P	G	SIH	170	TO 8	64	45	20.0	8.000A	11.000W	100J	.300G	1MA	64V	38	5.000A
AUY19	P	G	SIH	605	TO 3	64	45	20.0	3.000A	30.000W	90J	.350G	500UA	64V	45	1.000A
AUY20	P	G	SIH	605	TO 3	80	60	20.0	3.000A	30.000W	90J	.350G	500UA	80V	45	1.000A
AUY21	P	G	SIH	609	609A	65	45	20.0	1.000A	36.000W	100J	.300G	1MA	65V	28	5.000A
AUY22	P	G	SIH	609	609A	80	60	20.0	8.000A	36.000W	100J	.300G	1MA	80V	28	5.000A
AUY28	P	G	TFK	605	TO 3	90	65	25.0	10.000A	30.000W	90J	.250G	250UA	75V	33	5.000A
AUY29	P	G	SIH	609	609A	50	32	10.0	15.000A	36.000W	100J	.300G	1MA	50V	45	5.000A
AUY34	P	G	SIH	605	TO 3	100	80	20.0	3.000A	30.000W	90J	.350G	1MA	100V	38	1.000A

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
B1013			SEE 2N2282													
B1013A			SEE 2N2283													
B1274			SEE 2N2291													
B1274A			SEE 2N2292													
B1274B			SEE 2N2293													
B3456	-N	S	BEN	561	TO 61	100	60	6.0	10.000A	25.000W	200J	200.000G	25UA	15V	60	5.000A
B3458	-N	S	BEN	210	TO 5	100	60	6.0	5.000A	7.500W	200J	200.000G	25UA	15V	60	5.000A
B3459	-N	S	BEN	561	TO 61	80	40	8.0	10.000A	25.000W	200J	200.000G	5UA	30V	80	1.000A
B3459A	-N	S	BEN	561	TO 61	100	60	8.0	10.000A	25.000W	200J	200.000G	5UA	30V	80	1.000A
B3460			SEE 2N4225													
B3461			SEE 2N4226													
B3465	N	S	BEN	210	TO 5	100	60	6.0	3.000A	5.000W	175J	200.000G	100NA	30V	80	1.000A
B3466	N	S	BEN	540	540B	100	60	6.0	3.000A	5.000W	175J	200.000G	100NA	30V	80	1.000A
B3531	-N	S	BEN	211	TO 5	80	40	8.0	5.000A	4.000W	200J	30.000G	1UA	60V	36	1.000A
B3532	-N	S	BEN	211	TO 5	100	80	8.0	5.000A	4.000W	200J	30.000G	1UA	60V	36	1.000A
B3533	-N	S	BEN	211	TO 5	80	40	8.0	5.000A	4.000W	200J	30.000G	1UA	60V	70	1.000A
B3534	-N	S	BEN	211	TO 5	100	80	8.0	5.000A	4.000W	200J	30.000G	1UA	60V	70	1.000A
B3535	-N	S	BEN	211	TO 5	80	40	8.0	5.000A	4.000W	200J	30.000G	1UA	60V	70	1.000A
B3536	-N	S	BEN	211	TO 5	100	80	8.0	5.000A	4.000W	200J	30.000G	1UA	60V	200	1.000A
B3537	-N	S	BEN	211	TO 5	60	50	5.0	5.000A	4.000W	200J	40.000G	1UA	30V	36	1.000A
B3538	-N	S	BEN	541	541B	60	40	5.0	.600A	10.000W	200J	40.000G	2UA	60V	50	.150A
B3539	-N	S	BEN	541	541B	120	70	5.0	.600A	10.000W	200J	50.000G	1UA	30V	50	.150A
B3540	-N	S	BEN	541	541B	60	40	5.0	.600A	10.000W	200J	50.000G	1UA	30V	36	.150A
B3541	-N	S	BEN	541	541B	60	40	5.0	.600A	10.000W	200J	50.000G	1UA	30V	70	.150A
B3542	-N	S	BEN	541	541B	60	40	5.0	.600A	10.000W	200J	50.000G	1UA	30V	160	.150A
B3543	-N	S	BEN	541	541B	80	60	5.0	.600A	10.000W	200J	50.000G	1UA	30V	36	.150A
B3544	-N	S	BEN	541	541B	80	60	5.0	.600A	10.000W	200J	50.000G	1UA	30V	70	.150A
B3545	-N	S	BEN	541	541B	80	60	5.0	.600A	10.000W	200J	50.000G	1UA	30V	160	.150A
B3546	-N	S	BEN	541	541B	120	80	5.0	.600A	10.000W	200J	50.000G	2UA	60V	36	.150A
B3547	-N	S	BEN	561	TO 59	60	40	8.0	5.000A	30.000W	200J		1UA	60V	36	1.000A
B3548	-N	S	BEN	561	TO 59	80	60	8.0	5.000A	30.000W	200J		1UA	80V	36	1.000A
B3549	-N	S	BEN	561	TO 59	100	80	8.0	5.000A	30.000W	200J		1UA	100V	36	1.000A
B3550	-N	S	BEN	561	TO 59	60	40	8.0	5.000A	30.000W	200J		1UA	60V	70	1.000A
B3551	-N	S	BEN	561	TO 59	80	60	8.0	5.000A	30.000W	200J		1UA	80V	70	1.000A
B3552	-N	S	BEN	561	TO 59	100	80	8.0	5.000A	30.000W	200J		1UA	100V	70	1.000A
B3553	-N	S	BEN	561	TO 59	60	40	8.0	5.000A	30.000W	200J		1UA	60V	160	1.000A
B3554	-N	S	BEN	561	TO 59	80	60	8.0	5.000A	30.000W	200J		1UA	80V	160	1.000A
B3555	-N	S	BEN	561	TO 59	100	80	8.0	5.000A	30.000W	200J		1UA	100V	160	1.000A
B3556	-N	S	BEN	561	TO 59	90	60	8.0	5.000A	20.000W	200J	20.000G	100NA	60V	70	1.000A
B3557	-N	S	BEN	561	TO 59	120	80	8.0	5.000A	20.000W	200J	20.000G	100NA	60V	70	1.000A
B3558	-N	S	BEN	561	TO 59	150	100	8.0	5.000A	20.000W	200J	20.000G	100NA	60V	70	1.000A
B3559	-N	S	BEN	561	TO 59	60	40	7.0	5.000A	30.000W	200J	30.000G	100NA	30V	36	1.000A
B3560	-N	S	BEN	561	TO 59	80	60	8.0	5.000A	30.000W	200J	30.000G	100NA	60V	36	1.000A
B3561	-N	S	BEN	561	TO 59	100	80	8.0	5.000A	30.000W	200J	30.000G	100NA	60V	36	1.000A
B3562	-N	S	BEN	561	TO 59	60	40	7.0	5.000A	30.000W	200J	40.000G	100NA	30V	70	1.000A
B3563	-N	S	BEN	561	TO 59	80	60	8.0	5.000A	30.000W	200J	40.000G	100NA	60V	70	1.000A
B3564	-N	S	BEN	561	TO 59	100	80	8.0	5.000A	30.000W	200J	40.000G	100NA	60V	70	1.000A
B3565	-N	S	BEN	561	TO 59	60	40	7.0	5.000A	30.000W	200J	50.000G	100NA	30V	176	1.000A
B3566	-N	S	BEN	561	TO 59	80	60	8.0	5.000A	30.000W	200J	50.000G	100NA	60V	176	1.000A
B3567	-N	S	BEN	561	TO 59	100	80	8.0	5.000A	30.000W	200J	50.000G	100NA	60V	176	1.000A
B3568	-N	S	BEN	541	541B	120	80	5.0	.600A	10.000W	200J	50.000G	2UA	60V	70	.150A
B3569	-N	S	BEN	541	541B	120	80	5.0	.600A	10.000W	200J	50.000G	2UA	60V	160	.150A
B3570	-N	S	BEN	541	541B	80	40	8.0	5.000A	10.000W	200J	30.000G	1UA	60V	36	1.000A
B3571	-N	S	BEN	541	541B	100	80	8.0	5.000A	10.000W	200J	30.000G	1UA	60V	36	1.000A
B3572	-N	S	BEN	541	541B	80	40	8.0	5.000A	10.000W	200J	30.000G	1UA	60V	70	1.000A
B3573	-N	S	BEN	541	541B	100	80	8.0	5.000A	10.000W	200J	30.000G	1UA	60V	70	1.000A
B3574	-N	S	BEN	541	541B	80	40	8.0	5.000A	10.000W	200J	30.000G	1UA	60V	160	1.000A
B3575	-N	S	BEN	541	541B	100	80	8.0	5.000A	10.000W	200J	30.000G	1UA	60V	160	1.000A
B3576	-N	S	BEN	541	541B	60	40	5.0	5.000A	10.000W	200J	30.000G	1UA	60V	36	1.000A
B3577	-N	S	BEN	561	TO 59	100	50	5.0	5.000A	40.000W	200J	30.000G	1UA	60V	20	1.000A
B3578	-N	S	BEN	561	TO 59	80	40	8.0	5.000A	40.000W	200J	30.000G	1UA	60V	36	1.000A
B3579	-N	S	BEN	561	TO 59	100	80	8.0	5.000A	40.000W	200J	30.000G	1UA	60V	36	1.000A
B3580	-N	S	BEN	561	TO 59	80	40	8.0	5.000A	40.000W	200J	30.000G	1UA	60V	70	1.000A
B3581	-N	S	BEN	561	TO 59	100	80	8.0	5.000A	40.000W	200J	30.000G	1UA	60V	70	1.000A
B3582	-N	S	BEN	561	TO 59	80	40	8.0	5.000A	40.000W	200J	30.000G	1UA	60V	160	1.000A
B3583	-N	S	BEN	561	TO 59	100	80	8.0	5.000A	40.000W	200J	30.000G	1UA	60V	160	1.000A
B3584	-N	S	BEN	561	TO 59	60	40	5.0	5.000A	40.000W	200J	30.000G	1UA	60V	36	1.000A
B3585	-N	S	BEN	561	TO 61	60	40	8.0	5.000A	30.000W	200J	30.000G	1UA	60V	36	1.000A
B3586	-N	S	BEN	561	TO 61	80	60	8.0	5.000A	30.000W	200J	30.000G	1UA	60V	36	1.000A
B3587	-N	S	BEN	561	TO 61	100	80	8.0	5.000A	30.000W	200J	30.000G	1UA	60V	36	1.000A
B3588	-N	S	BEN	561	TO 61	60	40	8.0	5.000A	30.000W	200J	30.000G	1UA	60V	70	1.000A
B3589	-N	S	BEN	561	TO 61	80	60	8.0	5.000A	30.000W	200J	30.000G	1UA	60V	70	1.000A
B3590	-N	S	BEN	561	TO 61	100	80	8.0	5.000A	30.000W	200J	30.000G	1UA	60V	70	1.000A
B3591	-N	S	BEN	561	TO 61	60	40	8.0	5.000A	30.000W	200J	30.000G	1UA	60V	160	1.000A
B3592	-N	S	BEN	561	TO 61	80	60	8.0	5.000A	30.000W	200J	30.000G	1UA	60V	160	1.000A
B3593	-N	S	BEN	561	TO 61	100	80	8.0	5.000A	30.000W	200J	30.000G	1UA	60V	160	1.000A
B3594	-N	S	BEN	211	TO 5	60	40	5.0	10.000A	5.000W	200J	30.000G	1UA	60V	70	5.000A
B3595	-N	S	BEN	211	TO 5	80	60	5.0	10.000A	5.000W	200J	30.000G	1UA	60V	70	5.000A
B3596	-N	S	BEN	211	TO 5	100	80	5.0	10.000A	5.000W	200J	30.000G	1UA	60V	70	5.000A
B3597	-N	S	BEN	211	TO 5	60	40	5.0	10.000A	5.000W	200J	15.000G	1UA	30V	36	5.000A
B3598	-N	S	BEN	211	TO 5	80	60	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	36	5.000A
B3599	-N	S	BEN	211	TO 5	100	80	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	36	5.000A
B3600	-N	S	BEN	211	TO 5	60	40	5.0	10.000A	5.000W	200J	15.000G	1UA	30V	70	5.000A
B3601	-N	S	BEN	211	TO 5	80	60	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	70	5.000A
B3602	-N	S	BEN	211	TO 5	100	80	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	70	5.000A
B3603	-N	S	BEN	211	TO 5	60	40	5.0	10.000A	5.000W	200J	15.000G	1UA	30V	160	5.000A
B3604	-N	S	BEN	211	TO 5	80	60	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	160	5.000A
B3605	-N	S	BEN	211	TO 5	100	80	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	160	5.000A
B3606	-N	S	BEN	211	TO 5	50	30	5.0	5.000A	4.000W	200J		1UA	50V	40	1.000A
B3607	-N	S	BEN	211	TO 5	70	50	5.0	5.000A	4.000W	200J		1UA	70V	40	1.000A
B3608	-N	S	BEN	211	TO 5	90	70	5.0	5.000A	4.000W	200J		1UA	90V	40	1.000A
B3609	-N	S	BEN	211	TO 5	50	30	5.0	5.000A	4.000W	200J		1UA	50V	52	1.000A
B3610	-N	S	BEN	211	TO 5	70	50	5.0	5.000A	4.000W	200J		1UA	70V	52	1.000A
B3611	-N	S	BEN	211	TO 5	90	70	5.0	5.000A	4.000W	200J		1UA	90V	52	1.000A
B3612	-N	S	BEN	211	TO 5	50	30	5.0	5.000A	4.000W	200J		1UA	50V	88	1.000A
B3613	-N	S	BEN	211	TO 5	70	50	5.0	5.000A	4.000W	200J		1UA	70V	88	1.000A
B3614	-N	S	BEN	211	TO 5	90	70	5.0	5.000A	4.000W	200J		1UA	90V	88	1.000A
B3615	-N	S	BEN	211	TO 5	50	30	5.0	5.000A	4.000W	200J		1UA	50V	160	1.000A
B3616	-N	S	BEN	211	TO 5	70	50	5.0	5.000A	4.000W	200J		1UA	70V	160	1.000A
B3617	-N	S	BEN	211	TO 5	90	70	5.0	5.000A	4.000W	200J		1UA	90V	160	1.000A
B3618	-N	S	BEN	560	TO 61	60	40	5.0	10.000A	40.000W	200J	15.000G	1UA	60V	36	5.000A
B3619	-N	S	BEN	560	TO 61	80	60	5.0	10.000A	40.000W	200J	15.000G	1UA	60V	36	5.000A
B3620	-N	S	BEN	560	TO 61	100	80	5.0	10.000A	40.000W	200J	15.000G	1UA	60V	36	5.000A
B3621	-N	S	BEN	560	TO 61	60	40	5.0	10.000A	40.000W	200J	15.000G	1UA	60V	70	5.000A
B3622	-N	S	BEN	560	TO 61	80	60	5.0	10.000A	40.000W	200J	15.000G	1UA	60V	70	5.000A
B3623	-N	S	BEN	560	TO 61	100	80	5.0	10.000A	40.000W	200J	15.000G	1UA	60V	70	5.000A
B3624	-N	S	BEN	560	TO 61	60	40	5.0	10.000A	40.000W	200J	15.000G	1UA	60V	160	5.000A
B3625	-N	S	BEN	560	TO 61	80	60	5.0	10.000A	40.000W	200J	15.000G	1UA	60V	160	5.000A
B3626	-N	S	BEN	560	TO 61	100	80	5.0	10.000A	40.000W	200J	15.000G	1UA	60V	160	5.000A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. Tj(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
B3629	-N	S	BEN	541	541B	80	60	8.0	5.000A	10.000W	200J	20.000G	100NA	60V	70	1.000A
B3630	-N	S	BEN	541	541B	100	80	8.0	5.000A	10.000W	200J	20.000G	100NA	60V	70	1.000A
B3631	-N	S	BEN	560	TO 59	80	60	8.0	5.000A	30.000W	200J	30.000G	100NA	60V	36	1.000A
B3632	-N	S	BEN	560	TO 59	80	60	8.0	5.000A	30.000W	200J	50.000G	100NA	60V	70	1.000A
B3633	-N	S	BEN	560	TO 59	100	80	8.0	5.000A	30.000W	200J	30.000G	100NA	60V	36	1.000A
B3634	-N	S	BEN	560	TO 59	100	80	8.0	5.000A	30.000W	200J	50.000G	100NA	60V	70	1.000A
B3746	-N	S	BEN	210	TO 18		20		.800A		200J		10MA	20V	40	.010A
B3747	-N	S	BEN	541	541B		25		.800A		200J		10MA	25V		
B3748	-N	S	BEN	541	541B		25		.800A		200J		10MA	25V		
B3749	-N	S	BEN	541	541B		50		5.000A		200J		10MA	40V		
B3750	-N	S	BEN	541	541B		50		5.000A		200J		10MA	50V		
B5000	N	S	BEN	920	920A		35	1.2	3.000A	25.000W	150J	2.300G	2MA	14V	90	.500A
B5001	N	S	BEN	610	610A		35	1.2	3.000A	45.000W	200J	2.300G	2MA	14V	90	.500A
B5002	N	S	BEN	610	610A		60	1.2	3.000A	45.000W	200J	2.300G	2MA	14V	90	.500A
B5020	N	S	BEN	920	920A		35	1.2	3.000A	25.000W	150J	2.300G	2MA	14V	52	.500A
B5021	N	S	BEN	610	610A		35	1.2	3.000A	45.000W	200J	2.300G	2MA	14V	52	.500A
B5022	N	S	BEN	610	610A		60	1.2	3.000A	45.000W	200J	2.300G	2MA	14V	52	.500A
B5030	N	S	BEN	920	920A		35	1.2	3.000A	25.000W	150J	2.300G	2MA	14V	90	.500A
B5031	N	S	BEN	610	610A		35	1.2	3.000A	45.000W	200J	2.300G	2MA	14V	90	.500A
B5032	N	S	BEN	610	610A		60	1.2	3.000A	45.000W	200J	2.300G	2MA	14V	138	.500A
B5040	N	S	BEN	920	920A		35	1.2	3.000A	25.000W	150J	2.300G	2MA	14V	138	.500A
B5041	N	S	BEN	610	610A		35	1.2	3.000A	45.000W	200J	2.300G	2MA	14V	138	.500A
B5042	N	S	BEN	610	610A		60	1.2	3.000A	45.000W	200J	2.300G	2MA	14V	138	.500A
B5050	N	S	BEN	920	920A		35	1.2	3.000A	25.000W	150J	2.300G	2MA	14V	200	.500A
B5051	N	S	BEN	610	610A		35	1.2	3.000A	45.000W	200J	2.300G	2MA	14V	200	.500A
B5052	N	S	BEN	610	610A		60	1.2	3.000A	45.000W	200J	2.300G	2MA	14V	200	.500A
B5100	N	S	BEN	920	920A	60	60		3.000A	45.000W		2.000G	2MA	14V	92	.500A
B5120	N	S	BEN	920	920A	60	60		3.000A	45.000W		2.000G	2MA	14V	49	.500A
B5130	N	S	BEN	920	920A	60	60		3.000A	45.000W		2.000G	2MA	14V	90	.500A
B5140	N	S	BEN	920	920A	60	60		3.000A	45.000W		2.000G	2MA	14V	143	.500A
B5150	N	S	BEN	920	920A	60	60		3.000A	45.000W		2.000G	2MA	14V	210	.500A
B10142	-P	G	BEN	605	TO 3	350			10.000A	30.000W	110J	.008E	200UA	2V	40	6.000A
B10142A	-P	G	BEN	605	TO 3	290			10.000A	30.000W	110J	.008E	200UA	2V	40	6.000A
B10142B	-P	G	BEN	605	TO 3	225			10.000A	30.000W	110J	.008E	200UA	2V	40	6.000A
B10474	-P	G	BEN	605	TO 3	60			10.000A	40.000W	110J	.008E	2MA	60V	150	.400A
B10475	-P	G	BEN	605	TO 3	60			10.000A	40.000W	110J	.008E	2MA	100V	150	.400A
B10912	-P	G	BEN	605	TO 3	35	10		3.000A	30.000W	100J	CB AMP	2MA	35V	50	1.000A
B10913	-P	G	BEN	605	TO 3	35	10		3.000A	30.000W	100J	CB AMP	2MA	35V	100	1.000A
B102000	P	G	BEN	605	TO 3	40	30		7.000A	45.000W	100J	.300G	2MA	40V	102	1.000A
B102001	P	G	BEN	605	TO 3	50	40		7.000A	45.000W	100J	.300G	2MA	40V	102	1.000A
B102002	P	G	BEN	605	TO 3	60	50		7.000A	45.000W	100J	.300G	2MA	40V	102	1.000A
B102003	P	G	BEN	605	TO 3	70	60		7.000A	45.000W	100J	.300G	2MA	40V	102	1.000A
B103000	P	G	BEN	605	TO 3	50	30		10.000A	45.000W	100J	.300G	2MA	50V	90	3.000A
B103001	P	G	BEN	605	TO 3	60	40		10.000A	45.000W	100J	.300G	2MA	50V	90	3.000A
B103002	P	G	BEN	605	TO 3	70	50		10.000A	45.000W	100J	.300G	2MA	50V	90	3.000A
B103003	P	G	BEN	605	TO 3	80	60		10.000A	45.000W	100J	.300G	2MA	50V	90	3.000A
B103004	P	G	BEN	605	TO 3	90	70		10.000A	45.000W	100J	.300G	2MA	50V	90	3.000A
B113000-BRN	P	G	BEN	605	TO 3	110	70	2.0	25.000A	70.000W	110J	.500G	100MA	60V	90	2.000A
B113000-ORG	P	G	BEN	605	TO 3	110	70	2.0	25.000A	70.000W	110J	.500G	100MA	60V	224	2.000A
B113000-REO	P	G	BEN	605	TO 3	110	70	2.0	25.000A	70.000W	110J	.500G	100MA	60V	150	2.000A
B113001-BRN	P	G	BEN	605	TO 3	130	80	2.0	25.000A	70.000W	110J	.500G	100MA	80V	90	2.000A
B113001-ORG	P	G	BEN	605	TO 3	130	80	2.0	25.000A	70.000W	110J	.500G	100MA	80V	224	2.000A
B113001-REO	P	G	BEN	605	TO 3	130	80	2.0	25.000A	70.000W	110J	.500G	100MA	80V	150	2.000A
B113002-BRN	P	G	BEN	605	TO 3	160	90	2.0	25.000A	70.000W	110J	.500G	100MA	100V	90	2.000A
B113002-ORG	P	G	BEN	605	TO 3	160	90	2.0	25.000A	70.000W	110J	.500G	100MA	100V	224	2.000A
B113002-REO	P	G	BEN	605	TO 3	160	90	2.0	25.000A	70.000W	110J	.500G	100MA	100V	150	2.000A
B113003-BRN	P	G	BEN	605	TO 3	130	80	2.0	25.000A	70.000W	110J	.500G	10MA	80V	50	10.000A
B113003-REO	P	G	BEN	605	TO 3	130	80	2.0	25.000A	70.000W	100J	.500G	10MA	80V	76	10.000A
B113004-BRN	P	G	BEN	605	TO 3	160	90	2.0	25.000A	70.000W	110J	.500G	10MA	90V	50	10.000A
B113004-REO	P	G	BEN	605	TO 3	160	90	2.0	25.000A	70.000W	110J	.500G	10MA	90V	76	10.000A
B113005-BRN	P	G	BEN	605	TO 3	170	100	2.0	25.000A	70.000W	110J	.500G	10MA	100V	50	10.000A
B113005-REO	P	G	BEN	605	TO 3	170	100	2.0	25.000A	70.000W	110J	.500G	10MA	100V	76	10.000A
B143000	N	S	BEN	211	TO 5	50	40	5.0	5.000A	5.000W	175C	HS SW	1MA	50V	80	1.000A
B143001	N	S	BEN	211	TO 5	50	40	5.0	5.000A	5.000W	175C	HS SW	1MA	50V	90	1.000A
B143002	N	S	BEN	211	TO 5	50	40	5.0	5.000A	5.000W	175C	HS SW	1MA	50V	150	1.000A
B143003	N	S	BEN	211	TO 5	70	60	5.0	5.000A	5.000W	175C	HS SW	1MA	70V	80	1.000A
B143004	N	S	BEN	211	TO 5	70	60	5.0	5.000A	5.000W	175C	HS SW	1MA	70V	90	1.000A
B143005	N	S	BEN	211	TO 5	70	60	5.0	5.000A	5.000W	175C	HS SW	1MA	70V	150	1.000A
B143006	N	S	BEN	211	TO 5	90	80	5.0	5.000A	5.000W	175C	HS SW	1MA	90V	80	1.000A
B143007	N	S	BEN	211	TO 5	90	80	5.0	5.000A	5.000W	175C	HS SW	1MA	90V	90	1.000A
B143008	N	S	BEN	211	TO 5	90	80	5.0	5.000A	5.000W	175C	HS SW	1MA	90V	150	1.000A
B143009	N	S	BEN	211	TO 5	50	40	5.0	5.000A	5.000W	175C	200.000G	1MA	50V		
B143010	N	S	BEN	211	TO 5	50	40	5.0	5.000A	5.000W	175C	200.000G	1MA	50V		
B143011	N	S	BEN	211	TO 5	70	60	5.0	5.000A	5.000W	175C	200.000G	1MA	70V		
B143012	N	S	BEN	211	TO 5	70	60	5.0	5.000A	5.000W	175C	200.000G	1MA	70V		
B143013	N	S	BEN	211	TO 5	90	80	5.0	5.000A	5.000W	175C	200.000G	1MA	90V		
B143014	N	S	BEN	211	TO 5	90	80	5.0	5.000A	5.000W	175C	200.000G	1MA	90V		
B143015	N	S	BEN	541	541B	50	40	5.0	5.000A	5.000W	175C	HS SW	1MA	50V	80	1.000A
B143016	N	S	BEN	541	541B	50	40	5.0	5.000A	5.000W	175C	HS SW	1MA	50V	90	1.000A
B143017	N	S	BEN	541	541B	50	40	5.0	5.000A	5.000W	175C	HS SW	1MA	50V	150	1.000A
B143018	N	S	BEN	541	541B	70	60	5.0	5.000A	5.000W	175C	HS SW	1MA	70V	80	1.000A
B143019	N	S	BEN	541	541B	70	60	5.0	5.000A	5.000W	175C	HS SW	1MA	70V	90	1.000A
B143020	N	S	BEN	541	541B	70	60	5.0	5.000A	5.000W	175C	HS SW	1MA	70V	150	1.000A
B143021	N	S	BEN	541	541B	90	80	5.0	5.000A	5.000W	175C	HS SW	1MA	90V	80	1.000A
B143022	N	S	BEN	541	541B	90	80	5.0	5.000A	5.000W	175C	HS SW	1MA	90V	90	1.000A
B143023	N	S	BEN	541	541B	90	80	5.0	5.000A	5.000W	175C	HS SW	1MA	90V	150	1.000A
B143024	N	S	BEN	541	541B	50	40	5.0	5.000A	5.000W	175C	200.000G	1MA	50V		
B143025	N	S	BEN	541	541B	50	40	5.0	5.000A	5.000W	175C	200.000G	1MA	50V		
B143026	N	S	BEN	541	541B	70	60	5.0	5.000A	5.000W	175C	200.000G	1MA	70V		
B143027	N	S	BEN	541	541B	70	60	5.0	5.000A	5.000W	175C	200.000G	1MA	70V		
B143028	N	S	BEN	541	541B	90	80	5.0	5.000A	5.000W	175C	200.000G	1MA	90V		
B143029	N	S	BEN	541	541B	90	80	5.0	5.000A	5.000W	175C	200.000G	1MA	90V		
B144000	N	S	BEN	561	TO 59	50	40	5.0	10.000A	25.000W	175J	HS SW	1MA	50V	80	1.000A
B144001	N	S	BEN	561	TO 59	50	40	5.0	10.000A	25.000W	175J	HS SW	1MA	50V	90	1.000A
B144002	N	S	BEN	561	TO 59	50	40	5.0	10.000A	25.000W	175J	HS SW	1MA	50V	150	1.000A
B144003	N	S	BEN	561	TO 59	70	60	5.0	10.000A	25.000W	175J	HS SW	1MA	70V	80	1.000A
B144004	N	S	BEN	561	TO 59	70	60	5.0	10.000A	25.000W	175J	HS SW	1MA	70V	90	1.000A
B144005	N	S	BEN	561	TO 59	70	60	5.0	10.000A	25.000W	175J	HS SW	1MA	70V	150	1.000A
B144006	N	S	BEN	561	TO 59	90	80	5.0	10.000A	25.000W	175J	HS SW	1MA	90V	80	1.000A
B144007	N	S	BEN	561	TO 59	90	80	5.0	10.000A	25.000W	175J	HS SW	1MA	90V	90	1.000A
B144008	N	S	BEN	561	TO 59	90	80	5.0	10.000A	25.000W	175J	HS SW	1MA	90V	150	1.000A
B145000	N	S	BEN	560	TO 61	50	40	5.0	10.000A	25.000W	175J	HS SW	1MA	50V	80	1.000A
B145001	N	S	BEN	560	TO 61	50	40	5.0	10.000A	25.000W	175J	HS SW	1MA	50V	90	1.000A
B145002	N	S	BEN	560	TO 61	50	40	5.0	10.000A	25.000W	175J	HS SW	1MA	50V	150	1.000A
B145003	N	S	BEN	560	TO 61	70	60	5.0	10.000A	25.000W	175J	HS SW	1MA	70V	80	1.000A
B145004	N	S	BEN	560	TO 61	70	60	5.0	10.000A	25.000W	175J	HS SW	1MA	70V	90	1.000A
B145005	N	S	BEN	560	TO 61	70	60	5.0	10.000A	25.000W	175J	HS SW	1MA	70V	150	1.000A
B145006	N	S	BEN	560	TO 61	90	80	5.0	10.000A	25.000W	175J	HS SW	1MA	90V	80	1.000A
B145007	N	S	BEN	560	TO 61	90	80	5.0	10.000A	25.000W	175J	HS SW	1MA	90V	90	1.000A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I	Power	Max. T (°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
B145008	N	S	BEN	560	TO 61	90	80	5.0	10.000A	25.000W	175J		1MA	90V	150	1.000A
B145009	N	S	BEN	560	TO 61	50	40	5.0	10.000A	25.000W	175J	200.000G	1MA	50V		
B145010	N	S	BEN	560	TO 61	50	40	5.0	10.000A	25.000W	175J	200.000G	1MA	50V		
B145011	N	S	BEN	560	TO 61	70	60	5.0	10.000A	25.000W	175J	200.000G	1MA	70V		
B145012	N	S	BEN	560	TO 61	70	60	5.0	10.000A	25.000W	175J	200.000G	1MA	70V		
B145013	N	S	BEN	560	TO 61	90	80	5.0	10.000A	25.000W	175J	200.000G	1MA	90V		
B145014	N	S	BEN	560	TO 61	90	80	5.0	10.000A	25.000W	175J	200.000G	1MA	90V		
B146000	N	S	BEN	561	TO 61	50	40	5.0	10.000A	25.000W	175J	HS SW	1MA	50V	80	1.000A
B146001	N	S	BEN	561	TO 61	50	40	5.0	10.000A	25.000W	175J	HS SW	1MA	50V	90	1.000A
B146002	N	S	BEN	561	TO 61	50	40	5.0	10.000A	25.000W	175J	HS SW	1MA	50V	150	1.000A
B146003	N	S	BEN	561	TO 61	70	60	5.0	10.000A	25.000W	175J	HS SW	1MA	70V	80	1.000A
B146004	N	S	BEN	561	TO 61	70	60	5.0	10.000A	25.000W	175J	HS SW	1MA	70V	90	1.000A
B146005	N	S	BEN	561	TO 61	70	60	5.0	10.000A	25.000W	175J	HS SW	1MA	70V	150	1.000A
B146006	N	S	BEN	561	TO 61	90	80	5.0	10.000A	25.000W	175J	HS SW	1MA	90V	80	1.000A
B146007	N	S	BEN	561	TO 61	90	80	5.0	10.000A	25.000W	175J	HS SW	1MA	90V	90	1.000A
B146008	N	S	BEN	561	TO 61	90	80	5.0	10.000A	25.000W	175J	HS SW	1MA	90V	150	1.000A
B146009	N	S	BEN	561	TO 61	50	40	5.0	10.000A	25.000W	175J	200.000G	1MA	50V		
B146010	N	S	BEN	561	TO 61	50	40	5.0	10.000A	25.000W	175J	200.000G	1MA	50V		
B146011	N	S	BEN	561	TO 61	70	60	5.0	10.000A	25.000W	175J	200.000G	1MA	70V		
B146012	N	S	BEN	561	TO 61	70	60	5.0	10.000A	25.000W	175J	200.000G	1MA	70V		
B146013	N	S	BEN	561	TO 61	90	80	5.0	10.000A	25.000W	175J	200.000G	1MA	90V		
B146014	N	S	BEN	561	TO 61	90	80	5.0	10.000A	25.000W	175J	200.000G	1MA	90V		
B148000	N	S	BEN	561	TO 61	100	80	7.0	20.000A	100.000W		60.000G	10UA	50V	30	10.000A
B148001	N	S	BEN	561	TO 61	120	100	7.0	20.000A	100.000W		60.000G	10UA	50V	30	10.000A
B148002	N	S	BEN	561	TO 61	100	80	7.0	15.000A	100.000W		60.000G	10UA	50V	23	15.000A
B148003	N	S	BEN	561	TO 61	120	100	7.0	15.000A	100.000W		60.000G	10UA	50V	23	15.000A
B148004	N	S	BEN	561	TO 61	80	60	7.0	20.000A	100.000W		60.000G	10UA	50V	30	10.000A
B148005			SEE 2N5412													
B149000	N	S	BEN	540	TO 60	50	40	5.0	10.000A	25.000W	175J	200.000G	1MA	50V		
B149001	N	S	BEN	540	TO 60	50	40	5.0	10.000A	25.000W	175J	200.000G	1MA	50V		
B149002	N	S	BEN	540	TO 60	70	60	5.0	10.000A	25.000W	175J	200.000G	1MA	70V		
B149003	N	S	BEN	540	TO 60	70	60	5.0	10.000A	25.000W	175J	200.000G	1MA	70V		
B149004	N	S	BEN	540	TO 60	90	80	5.0	10.000A	25.000W	175J	200.000G	1MA	90V		
B149005	N	S	BEN	540	TO 60	90	80	5.0	10.000A	25.000W	175J	200.000G	1MA	90V		
B155000	N	S	BEN	560	TO 61		100S	7.0	20.000A	60.000W	175J	60.000G	10UA	50V	80	2.000A
B155001	N	S	BEN	560	TO 61		120S	7.0	20.000A	60.000W	175J	60.000G	10UA	50V	80	2.000A
B155002	N	S	BEN	560	TO 61		100S	7.0	15.000A	60.000W	175J	60.000G	10UA	50V	80	2.000A
B155003	N	S	BEN	560	TO 61		100S	7.0	15.000A	60.000W	175J	60.000G	10UA	50V	80	2.000A
B155004	N	S	BEN	560	TO 61		80S	7.0	20.000A	60.000W	175J	60.000G	10UA	50V	80	2.000A
B155005	N	S	BEN	560	TO 61		80S	7.0	15.000A	60.000W	175J	60.000G	10UA	50V	80	2.000A
B170000-BLK	N	S	BEN	605	TO 3	50	40	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	30	.500A
B170000-BRN	N	S	BEN	605	TO 3	50	40	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	40	.500A
B170000-ORG	N	S	BEN	605	TO 3	50	40	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	76	.500A
B170000-RED	N	S	BEN	605	TO 3	50	40	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	66	.500A
B170000-YEL	N	S	BEN	605	TO 3	50	40	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	100	.500A
B170001-BLK	N	S	BEN	605	TO 3	50	40	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	30	.500A
B170001-BRN	N	S	BEN	605	TO 3	50	40	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	40	.500A
B170001-ORG	N	S	BEN	605	TO 3	50	40	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	76	.500A
B170001-RED	N	S	BEN	605	TO 3	50	40	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	66	.500A
B170001-YEL	N	S	BEN	605	TO 3	50	40	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	100	.500A
B170002-BLK	N	S	BEN	605	TO 3	50	40	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	30	.500A
B170002-BRN	N	S	BEN	605	TO 3	50	40	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	40	.500A
B170002-ORG	N	S	BEN	605	TO 3	50	40	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	76	.500A
B170002-RED	N	S	BEN	605	TO 3	50	40	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	66	.500A
B170002-YEL	N	S	BEN	605	TO 3	50	40	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	100	.500A
B170003-BLK	N	S	BEN	605	TO 3	80	70	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	30	.500A
B170003-BRN	N	S	BEN	605	TO 3	80	70	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	40	.500A
B170003-ORG	N	S	BEN	605	TO 3	80	70	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	76	.500A
B170003-RED	N	S	BEN	605	TO 3	80	70	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	66	.500A
B170003-YEL	N	S	BEN	605	TO 3	80	70	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	100	.500A
B170004-BLK	N	S	BEN	605	TO 3	80	70	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	30	.500A
B170004-BRN	N	S	BEN	605	TO 3	80	70	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	40	.500A
B170004-ORG	N	S	BEN	605	TO 3	80	70	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	76	.500A
B170004-RED	N	S	BEN	605	TO 3	80	70	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	66	.500A
B170004-YEL	N	S	BEN	605	TO 3	80	70	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	100	.500A
B170005-BLK	N	S	BEN	605	TO 3	80	70	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	30	.500A
B170005-BRN	N	S	BEN	605	TO 3	80	70	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	40	.500A
B170005-ORG	N	S	BEN	605	TO 3	80	70	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	76	.500A
B170005-RED	N	S	BEN	605	TO 3	80	70	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	66	.500A
B170005-YEL	N	S	BEN	605	TO 3	80	70	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	100	.500A
B170006-BLK	N	S	BEN	605	TO 3	100	100	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	30	.500A
B170006-BRN	N	S	BEN	605	TO 3	100	100	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	40	.500A
B170006-ORG	N	S	BEN	605	TO 3	100	100	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	76	.500A
B170006-RED	N	S	BEN	605	TO 3	100	100	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	66	.500A
B170006-YEL	N	S	BEN	605	TO 3	100	100	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	100	.500A
B170007-BLK	N	S	BEN	605	TO 3	100	100	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	30	.500A
B170007-BRN	N	S	BEN	605	TO 3	100	100	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	40	.500A
B170007-ORG	N	S	BEN	605	TO 3	100	100	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	76	.500A
B170007-RED	N	S	BEN	605	TO 3	100	100	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	66	.500A
B170007-YEL	N	S	BEN	605	TO 3	100	100	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	100	.500A
B170008-BLK	N	S	BEN	605	TO 3	100	100	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	30	.500A
B170008-BRN	N	S	BEN	605	TO 3	100	100	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	40	.500A
B170008-ORG	N	S	BEN	605	TO 3	100	100	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	76	.500A
B170008-RED	N	S	BEN	605	TO 3	100	100	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	66	.500A
B170008-YEL	N	S	BEN	605	TO 3	100	100	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	100	.500A
B170009	N	S	BEN	605	TO 3	50	40	2.0	6.000A	60.000W	200J	1.000G	100NA	40V	60	1.000A
B170010	N	S	BEN	605	TO 3	50	40	2.0	10.000A	90.000W	200J	1.000G	100NA	40V	40	3.000A
B170011	N	S	BEN	605	TO 3	50	40	2.0	15.000A	120.000W	200J	1.000G	100NA	40V	24	5.000A
B170012	N	S	BEN	605	TO 3	80	70	2.0	6.000A	60.000W	200J	1.000G	100NA	40V	60	1.000A
B170013	N	S	BEN	605	TO 3	80	70	2.0	10.000A	90.000W	200J	1.000G	100NA	40V	40	3.000A
B170014	N	S	BEN	605	TO 3	80	70	2.0	15.000A	120.000W	200J	1.000G	100NA	40V	24	5.000A
B170015	N	S	BEN	605	TO 3	100	100	2.0	6.000A	60.000W	200J	1.000G	100NA	40V	60	1.000A
B170016	N	S	BEN	605	TO 3	100	100	2.0	10.000A	90.000W	200J	1.000G	100NA	40V	40	3.000A
B170017	N	S	BEN	605	TO 3	100	100	2.0	15.000A	120.000W	200J	1.000G	100NA	40V	24	5.000A
B170018	N	S	BEN	605	TO 3	50	40	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	60	1.000A
B170019	N	S	BEN	605	TO 3	50	40	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	40	3.000A
B170020	N	S	BEN	605	TO 3	50	40	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	24	5.000A
B170021	N	S	BEN	605	TO 3	80	70	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	60	1.000A
B170022	N	S	BEN	605	TO 3	80	70	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	40	3.000A
B170023	N	S	BEN	605	TO 3	80	70	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	24	5.000A
B170024	N	S	BEN	605	TO 3	100	100	5.0	6.000A	60.000W	200J	1.000G	100NA	40V	60	1.000A
B170025	N	S	BEN	605	TO 3	100	100	5.0	10.000A	90.000W	200J	1.000G	100NA	40V	40	3.000A
B170026	N	S	BEN	605	TO 3	100	100	5.0	15.000A	120.000W	200J	1.000G	100NA	40V	24	5.000A
B176000	N	S	BEN	605	TO 3	250	200	5.0	5.000A	50.000W	175J		250UA	125V	50	.100A
B176001	N	S	BEN	605	TO 3	250	200	5.0	5.000A	50.000W	175J		250UA	125V	40	.500A
B176002	N	S	BEN	605	TO 3	250	200	5.0	5.000A	50.000W	175J		250UA	125V	30	1.500A
B176003	N	S	BEN	605	TO 3	250	200	5.0	5.000A	50.000W	175J		250UA	125V	20	2.500A
B176004	N	S	BEN	605	TO 3	400	325	5.0	5.000A	50.000W	175J		250UA	125V	50	.100A
B176005	N	S	BEN	605	TO 3	400	325	5.0	5.000A	50.000W	175J		250UA	125V	40.	.500A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Outline	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T(°C)	Frequency Resp.(MHz)	Leakage I_{cb} @ V_{cb}		Gain h_{fe} @ I_c	
B176006	N	S	BEN	605	TO 3	400	325	5.0	5.000A	50.000W	175J		250UA	125V	30	1.500A
B176007	N	S	BEN	605	TO 3	400	325	5.0	5.000A	50.000W	175J		250UA	125V	20	2.500A
B176008	N	S	BEN	605	TO 3	550	325	5.0	5.000A	50.000W	175J		250UA	125V	50	.100A
B176009	N	S	BEN	605	TO 3	550	325	5.0	5.000A	50.000W	175J		250UA	125V	40	.500A
B176010	N	S	BEN	605	TO 3	550	325	5.0	5.000A	50.000W	175J		250UA	125V	30	1.500A
B176011	N	S	BEN	605	TO 3	550	325	5.0	5.000A	50.000W	175J		250UA	125V	20	2.500A
B176012	N	S	BEN	605	TO 3	700	325	5.0	5.000A	50.000W	175J		250UA	125V	50	.100A
B176013	N	S	BEN	605	TO 3	700	325	5.0	5.000A	50.000W	175J		250UA	125V	40	.500A
B176014	N	S	BEN	605	TO 3	700	325	5.0	5.000A	50.000W	175J		250UA	125V	30	1.500A
B176015	N	S	BEN	605	TO 3	700	325	5.0	5.000A	50.000W	175J		250UA	125V	20	2.500A
B176024	N	S	BEN	605	TO 3	400	325	5.0	5.000A	50.000W	175J		250UA	125V	30	1.500A
B176025	N	S	BEN	605	TO 3	400	325	5.0	5.000A	50.000W	175J		250UA	125V	20	2.500A
B176026	N	S	BEN	605	TO 3	550	325	5.0	5.000A	50.000W	175J		250UA	125V	30	1.500A
B176027	N	S	BEN	605	TO 3	550	325	5.0	5.000A	50.000W	175J		250UA	125V	20	2.500A
B176028	N	S	BEN	605	TO 3	700	325	5.0	5.000A	50.000W	175J		250UA	125V	30	1.500A
B176029	N	S	BEN	605	TO 3	700	325	5.0	5.000A	50.000W	175J		250UA	125V	20	2.500A
B176030	N	S	BEN	605	TO 3	800	500	5.0	5.000A	125.000W					15	3.000A
B177000	N	S	BEN	605	TO 3	100	80		30.000A	150.000W	200J	.020E	5MA	100V	30	10.000A
BC107	N	S	TFK,SIH	211	TO 18	45	45	5.0	.100A	.300W	175J	300.000G	1NA	20V	250	.002A
BC107A	N	S	IMG	211	TO 18	50	45	5.0	.100A	.300W	175J	250.000G	15NA	30V	187	.002A
BC107B	N	S	IMG	211	TO 18	50	45	5.0	.100A	.300W	175J	250.000G	15NA	30V	365	.002A
BC108	N	S	TFK,SIH	211	TO 18	30	20	5.0	.100A	.300W	175J	300.000G	1NA	20V	250	.002A
BC108A	N	S	IMG	211	TO 18	30	20	5.0	.100A	.300W	175J	250.000G	15NA	30V	187	.002A
BC108B	N	S	IMG	211	TO 18	30	20	5.0	.100A	.300W	175J	250.000G	15NA	30V	365	.002A
BC108C	N	S	IMG	211	TO 18	30	20	5.0	.100A	.300W	175J	250.000G	15NA	30V	675	.002A
BC109	N	S	TFK,SIH	211	TO 18	30	20	5.0	.100A	.300W	175J	300.000G	1NA	20V	460	.002A
BC109B	N	S	IMG	211	TO 18	30	20	5.0	.100A	.300W	175J	300.000G	15NA	30V	675	.002A
BC109C	N	S	IMG	211	TO 18	30	20	5.0	.100A	.300W	175J	300.000G	15NA	30V	365	.002A
BC110	N	S	SIH	210	TO 18	80	80	8.0	.050A	.300W	175J	100.000G	100NA	80V	90	.002A
BC121	N	S	SIH	47	47A	5	5	5.0	.075A	.250W	150J	50.000G	10NA	2V	300	.001A
BC122	N	S	SIH	47	47A	30	20	5.0	.075A	.250W	150J	50.000G	10NA	15V	300	.001A
BC123	N	S	SIH	47	47A	45	30	5.0	.075A	.250W	150J	50.000G	10NA	25V	200	.001A
BC129	N	S	TFK	210	TO 18	45	45	5.0	.100A	.175W	150J	300.000G	1NA	20V	250	.002A
BC130	N	S	TFK	210	TO 18	20	20	5.0	.100A	.175W	150J	300.000G	1NA	20V	250	.002A
BC131	N	S	TFK	210	TO 18	20	20	5.0	.100A	.175W	150J	300.000G	1NA	20V	460	.002A
BC140	N	S	SIH	210	TO 39	80	40	7.0	1.000A	3.700W	175J	50.000G	100NA	40V	105	.150A
BC140-06	N	S	IMG	211	TO 39	80	40	7.0	1.000A	.750W	175J		100NA	40V	65	.100A
BC140-10	N	S	IMG	211	TO 39	80	40	7.0	1.000A	.750W	175J		100NA	40V	103	.100A
BC140-16	N	S	IMG	211	TO 39	80	40	7.0	1.000A	.750W	175J		100NA	40V	162	.100A
BC141	N	S	SIH	210	TO 39	100	60	7.0	1.000A	3.700W	175J	50.000G	100NA	60V	102	.150A
BC141-06	N	S	IMG	211	TO 39	100	60	7.0	1.000A	.750W	175J		100NA	60V	65	.100A
BC141-10	N	S	IMG	211	TO 39	100	60	7.0	1.000A	.750W	175J		100NA	60V	103	.100A
BC141-16	N	S	IMG	211	TO 39	100	60	7.0	1.000A	.750W	175J		100NA	60V	162	.100A
BC147	N	S	SIH	985	985A		50S	6.0	.100A	.220W	125J	250.000G	15UA	50V	250	.002A
BC148	N	S	SIH	985	985A		30S	5.0	.100A	.220W	125J	250.000G	15UA	30V	350	.002A
BC149	N	S	SIH	985	985A		30S	5.0	.100A	.220W	125J	300.000G	15UA	30V	465	.002A
BC157	P	S	SIH	985	985A		50S	5.0	.100A	.220W	125J	130.000G	100NA	20V	140	.002A
BC158	P	S	SIH	985	985A		30S	5.0	.100A	.220W	125J	130.000G	100NA	20V	200	.002A
BC159	P	S	SIH	985	985A		25S	5.0	.100A	.220W	125J	130.000G	100NA	20V	250	.002A
BC160-06	P	S	IMG	211	TO 39	40	40	5.0	1.000A	.750W	175J		100NA	40V	65	.100A
BC160-10	P	S	IMG	211	TO 39	40	40	5.0	1.000A	.750W	175J		100NA	40V	103	.100A
BC160-16	P	S	IMG	211	TO 39	40	40	5.0	1.000A	.750W	175J		100NA	40V	162	.100A
BC161-06	P	S	IMG	211	TO 39	60	60	5.0	1.000A	.750W	175J		100NA	60V	65	.100A
BC161-10	P	S	IMG	211	TO 39	60	60	5.0	1.000A	.750W	175J		100NA	60V	103	.100A
BC161-16	P	S	IMG	211	TO 39	60	60	5.0	1.000A	.750W	175J		100NA	60V	162	.100A
BC167	N	S	SIH	43	TO 92		50S	6.0	.100A	.220W	125J	250.000G	15UA	50V	250	.002A
BC168	N	S	SIH	43	TO 92		30S	5.0	.100A	.220W	125J	250.000G	15UA	30V	350	.002A
BC169	N	S	SIH	43	TO 92		30S	5.0	.100A	.220W	125J	300.000G	15UA	30V	465	.002A
BC170A	N	S	IMG	40	TO 92	20	20	5.0	.100A	.300W	125J	100.000G	100NA	15V	60	.001A
BC170B	N	S	IMG	40	TO 92	20	20	5.0	.100A	.300W	125J	100.000G	100NA	15V	142	.001A
BC170C	N	S	IMG	40	TO 92	20	20	5.0	.100A	.300W	125J	100.000G	100NA	15V	350	.001A
BC171A	N	S	IMG	40	TO 92	50	45	5.0	.100A	.300W	125J	250.000G	15NA	50V	220	.020A
BC171B	N	S	IMG	40	TO 92	50	45	5.0	.100A	.300W	125J	250.000G	15NA	50V	320	.020A
BC172A	N	S	IMG	40	TO 92	30	20	5.0	.100A	.300W	125J	250.000G	15NA	30V	220	.020A
BC172B	N	S	IMG	40	TO 92	30	20	5.0	.100A	.300W	125J	250.000G	15NA	30V	320	.020A
BC172C	N	S	IMG	40	TO 92	30	20	5.0	.100A	.300W	125J	250.000G	15NA	30V	620	.020A
BC173B	N	S	IMG	40	TO 92	30	20	5.0	.100A	.300W	125J	300.000G	15NA	30V	60	.001A
BC173C	N	S	IMG	40	TO 92	30	20	5.0	.100A	.300W	125J	300.000G	15NA	30V	150	.001A
BC174A	N	S	IMG	40	TO 92	70	64	5.0	.100A	.300W	125J	200.000G	15NA	60V	220	.020A
BC174B	N	S	IMG	40	TO 92	70	64	5.0	.100A	.300W	125J	200.000G	15NA	60V	320	.020A
BC177	P	S	SIH	210	TO 18		50S	5.0	.100A	.300W	175J	130.000G	100NA	20V	105	.002A
BC178	P	S	SIH	210	TO 18		30S	5.0	.100A	.300W	175J	130.000G	100NA	20V	200	.002A
BC179	P	S	SIH	210	TO 18		25S	5.0	.100A	.300W	175J	130.000G	100NA	20V	250	.002A
BC192	P	S	IMG	211	TO 18	25	25	5.0	.500A	.400W	200J	100.000G	100NA	20V	120	.050A
BC201	P	S	SIH	47	47A		5	5.0	.075A	.250W	150J	80.000G	100NA	2V	175	.001A
BC202	P	S	SIH	47	47A	30	20	5.0	.075A	.250W	150J	80.000G	100NA	15V	115	.001A
BC203	P	S	SIH	47	47A	45	30	5.0	.075A	.250W	150J	80.000G	100NA	25V	115	.001A
BC250A	P	S	IMG	40	TO 92	20	20	5.0	.100A	.300W	125J	180.000G	100NA	15V	60	.001A
BC250B	P	S	IMG	40	TO 92	20	20	5.0	.100A	.300W	125J	180.000G	100NA	15V	142	.001A
BC250C	P	S	IMG	40	TO 92	20	20	5.0	.100A	.300W	125J	180.000G	100NA	15V	350	.001A
BC251A	P	S	IMG	40	TO 92	45	45	5.0	.100A	.300W	125J	200.000G	50NA	45V	200	.020A
BC251B	P	S	IMG	40	TO 92	45	45	5.0	.100A	.300W	125J	200.000G	50NA	45V	400	.020A
BC251C	P	S	IMG	40	TO 92	45	45	5.0	.100A	.300W	125J	200.000G	50NA	45V	600	.020A
BC252A	P	S	IMG	40	TO 92	20	20	5.0	.100A	.300W	125J	200.000G	50NA	20V	200	.020A
BC252B	P	S	IMG	40	TO 92	20	20	5.0	.100A	.300W	125J	200.000G	50NA	20V	400	.020A
BC252C	P	S	IMG	40	TO 92	20	20	5.0	.100A	.300W	125J	200.000G	50NA	20V	600	.020A
BC253A	P	S	IMG	40	TO 92	20	20	5.0	.100A	.300W	125J	200.000G	50NA	20V	60	.001A
BC253B	P	S	IMG	40	TO 92	20	20	5.0	.100A	.300W	125J	200.000G	50NA	20V	60	.001A
BC253C	P	S	IMG	40	TO 92	20	20	5.0	.100A	.300W	125J	200.000G	50NA	20V	150	.001A
BC256A	P	S	IMG	40	TO 92	64	64	5.0	.100A	.300W	125J	200.000G	50NA	64V	200	.020A
BC256B	P	S	IMG	40	TO 92	64	64	5.0	.100A	.300W	125J	200.000G	50NA	64V	400	.020A
BC257	P	S	SIH	43	TO 92		50S	5.0	.100A	.220W	125J	130.000G	100NA	20V	140	.002A
BC258	P	S	SIH	43	TO 92		30S	5.0	.100A	.220W	125J	130.000G	100NA	20V	200	.002A
BC259	P	S	SIH	43	TO 92		25S	5.0	.100A	.220W	125J	130.000G	100NA	20V	250	.002A
BC260A	P	S	IMG	211	TO 18	20	20	5.0	.100A	.300W	175J	180.000G	100NA	15V	60	.001A
BC260B	P	S	IMG	211	TO 18	20	20	5.0	.100A	.300W	175J	180.000G	100NA	15V	142	.001A
BC260C	P	S	IMG	211	TO 18	20	20	5.0	.100A	.300W	175J	180.000G	100NA	15V	350	.001A
BC261A	P	S	IMG	211	TO 18	45	45	5.0	.100A	.300W	175J	200.000G	50NA	45V	200	.020A
BC261B	P	S	IMG	211	TO 18	45	45	5.0	.100A	.300W	175J	200.000G	50NA	45V	400	.020A
BC261C	P	S	IMG	211	TO 18	45	45	5.0	.100A	.300W	175J	200.000G	50NA	45V	600	.020A
BC262A	P	S	IMG	211	TO 18	20	20	5.0	.100A	.300W	175J	200.000G	50NA	20V	200	.020A
BC262B	P	S	IMG	211	TO 18	20	20	5.0	.100A	.300W	175J	200.000G	50NA	20V	400	.020A
BC262C	P	S	IMG	211	TO 18	20	20	5.0	.100A	.300W	175J	200.000G	50NA	20V	600	.020A
BC263A	P	S	IMG	211	TO 18	20	20	5.0	.100A	.300W	175J	200.000G	50NA	20V	60	.001A
BC263B	P	S	IMG	211	TO 18	20	20	5.0	.100A	.300W	175J	200.000G	50NA	20V	60	.001A
BC263C	P	S	IMG	211	TO 18	20	20	5.0	.100A	.300W	175J	200.000G	50NA	20V	150	.001A
BC266A	P	S	IMG	211	TO 18	64	64	5.0	.100A	.300W	175J	200.000G	50NA	64V	200	.020A
BC266B	P	S	IMG	211	TO 18	64	64	5.0	.100A	.300W	175J	200.000G	50NA	64V	400	.020A
BC340-06	N	S	IMG	211	TO 39	40	40	5.0	.500A	.800W	200J		100NA	40V	65	.050A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
BC340-10	N	S	IMG	211	TO 39	40	40	5.0	.500A	.800W	200J		100NA	40V	103	.050A
BC340-16	N	S	IMG	211	TO 39	40	40	5.0	.500A	.800W	200J		100NA	40V	162	.050A
BC341-06	N	S	IMG	211	TO 39	60	60	5.0	.500A	.800W	200J		100NA	60V	65	.050A
BC341-10	N	S	IMG	211	TO 39	60	60	5.0	.500A	.800W	200J		100NA	60V	103	.050A
BC360-06	P	S	IMG	211	TO 39	40	40	5.0	.500A	.800W	200J		100NA	40V	65	.050A
BC360-10	P	S	IMG	211	TO 39	40		5.0	.500A	.800W	200J		100NA	40V	103	.050A
BC360-16	P	S	IMG	211	TO 39	40		5.0	.500A	.800W	200J		100NA	40V	162	.050A
BC361-06	P	S	IMG	211	TO 39	60	60	5.0	.500A	.800W	200J		100NA	60V	65	.050A
BC361-10	P	S	IMG	211	TO 39	60	60	5.0	.500A	.800W	200J		100NA	60V	103	.050A
BC1274			SEE 2N2294													
BC1274A			SEE 2N2295													
BC1274B			SEE 2N2296													
BCY10	P	S	RAD,AMP	60	60A	32	32	12.0	.250A	.300W	150J	1.500B	100NA	6V	24	.030A
BCY11	P	S	RAD,AMP	60	60A	60	60	12.0	.500A	.300W	150J	1.500B	100NA	6V	24	.030A
BCY12	P	S	RAD,AMP	60	60A	32	32	12.0	.500A	.300W	150J	2.000B	100NA	6V	40	.030A
BCY30	P	S	RAD,AMP	210	TO 5	64	64	45.0	.100A	.250W	150J	.250B	100NA	6V	25	.001A
BCY31	P	S	RAD,AMP	210	TO 5	64	64	45.0	.100A	.250W	150J	.250B	100NA	6V	40	.001A
BCY33	P	S	RAD,AMP	210	TO 5	32	32	16.0	.100A	.250W	150J	.450B	100NA	6V	25	.001A
BCY34	P	S	RAD,AMP	210	TO 5	32	32	16.0	.100A	.250W	150J	.600B	100NA	6V	40	.001A
BCY58	N	S	SIH	210	TO 18		32	7.0	.200A	1.000W	200J	300.000G	10UA	32V	300	.032A
BCY58A	N	S	IMG	211	TO 18	32	32	5.0	.100A	.300W	175J	300.000G	10NA	32V	225	.020A
BCY58B	N	S	IMG	211	TO 18	32	32	5.0	.100A	.300W	175J	300.000G	10NA	32V	280	.020A
BCY58C	N	S	IMG	211	TO 18	32		5.0	.100A	.300W	175J	300.000G	10NA	32V	350	.020A
BCY58D	N	S	IMG	211	TO 18	32	32	5.0	.100A	.300W	175J	300.000G	10NA	32V	540	.020A
BCY59	N	S	SIH	210	TO 18		45	7.0	.200A	1.000W	200J	300.000G	10UA	45V	300	.045A
BCY59A	N	S	IMG	211	TO 18	45	45	5.0	.100A	.300W	175J	300.000G	10NA	45V	225	.020A
BCY59B	N	S	IMG	211	TO 18	45	45	5.0	.100A	.300W	175J	300.000G	10NA	45V	280	.020A
BCY59C	N	S	IMG	211	TO 18	45	45	5.0	.100A	.300W	175J	300.000G	10NA	45V	350	.020A
BCY59D	N	S	IMG	211	TO 18	45	45	5.0	.100A	.300W	175J	300.000G	10NA	45V	540	.020A
BCY65	N	S	SIH	210	TO 18		60	7.0	.200A	1.000W	200J	300.000G	10UA	60V	300	.060A
BCY66	N	S	SIH	210	TO 18	45	45	7.0	.200A	1.000W	200J	300.000G	10UA	45V	290	.045A
BCY78	P	S	SIH	210	TO 18		32	5.0	.200A	.300W	175J	200.000G			250	.002A
BCY79	P	S	SIH	210	TO 18		45	5.0	.200A	.300W	175J	200.000G			250	.002A
BCZ10	P	S	RAD,AMP	60	60A	25	25	20.0	.050A	.250W	150J	1.000B	100NA	10V	20	.001A
BCZ11	P	S	RAD,AMP	60	60A	25	25	20.0	.050A	.250W	150J	3.000B	100NA	10V	35	.001A
BCZ12	P	S	RAD,AMP	60	60A	60	60	30.0	.050A	.250W	150J	1.000B	100NA	10V	15	.001A
BCZ13	P	S	RAD	105	105B	20	20		.010A	.080W	125J				20	
BCZ14	P	S	RAD	105	105B	20	20		.010A	.080W	125J				20	
BD106A	N	S	IMG	605	605A	36	36	5.0	2.500A	11.500W	175J	100.000G	500NA	32V	88	.500A
BD106B	N	S	IMG	605	605A	36	36	5.0	2.500A	11.500W	175J	100.000G	500NA	32V	175	.500A
BD107A	N	S	IMG	605	605A	64	64	5.0	2.500A	11.500W	175J	100.000G	500NA	60V	88	.500A
BD107B	N	S	IMG	605	605A	64	64	5.0	2.500A	11.500W	175J	100.000G	500NA	60V	175	.500A
BD109	N	S	SIH	605	605A	60	40	5.0	3.000A	18.500W	175J	30.000G	100NA	40V	105	1.000A
BD130	N	S	SIH	605	TO 3	100	60	7.0	15.000A	100.000W	200J	.700G	500UA	100V	37	4.000A
BDY10	N	S	RAD	605	TO 3	50	50		4.000A	150.000W	175J	.500B			24	
BDY11	N	S	RAD	605	TO 3	80	80		4.000A	150.000W	175J	.500B			24	
BDY12	N	S	SIH	605	605A		60S	5.0	2.000A	26.000W	175J	30.000G	100UA	40V	105	1.000A
BDY13	N	S	SIH	605	605A		80S	5.0	2.000A	26.000W	175J	30.000G	100UA	60V	105	1.000A
BDY15A	N	S	IMG	605	605A	36	36	5.0	2.500A	11.500W	175J	100.000G	100NA	32V	88	.500A
BDY15B	N	S	IMG	605	605A	36	36	5.0	2.500A	11.500W	175J	100.000G	100NA	32V	175	.500A
BDY15C	N	S	IMG	605	605A	36	36	5.0	2.500A	11.500W	175J	100.000G	100NA	32V	350	.500A
BDY16A	N	S	IMG	605	605A	64	64	5.0	2.500A	11.500W	175J	100.000G	100NA	60V	88	.500A
BDY16B	N	S	IMG	605	605A	64	64	5.0	2.500A	11.500W	175J	100.000G	100NA	60V	175	.500A
BDY23A	N	S	SES	605	TO 3	60	60	10.0	6.000A	85.000W	200J	10.000G	1MA	60V	30	2.000A
BDY23B	N	S	SES	605	TO 3	60	60	10.0	6.000A	85.000W	200J	10.000G	1MA	60V	60	2.000A
BDY23C	N	S	SES	605	TO 3	60	60	10.0	6.000A	85.000W	200J	10.000G	1MA	60V	120	2.000A
BDY24A	N	S	SES	605	TO 3	100	90	10.0	6.000A	85.000W	200J	10.000G	1MA	90V	30	2.000A
BDY24B	N	S	SES	605	TO 3	100	90	10.0	6.000A	85.000W	200J	10.000G	1MA	90V	60	2.000A
BDY24C	N	S	SES	605	TO 3	100	90	10.0	6.000A	85.000W	200J	10.000G	1MA	90V	120	2.000A
BDY25A	N	S	SES	605	TO 3	200	140	10.0	6.000A	85.000W	200J	10.000G	1MA	120V	30	2.000A
BDY25B	N	S	SES	605	TO 3	200	140	10.0	6.000A	85.000W	200J	10.000G	1MA	120V	60	2.000A
BDY25C	N	S	SES	605	TO 3	200	140	10.0	6.000A	85.000W	200J	10.000G	1MA	120V	120	2.000A
BDY26A	N	S	SES	605	TO 3	300	180	10.0	6.000A	85.000W	200J	10.000G	1MA	180V	30	2.000A
BDY26B	N	S	SES	605	TO 3	300	180	10.0	6.000A	85.000W	200J	10.000G	1MA	180V	60	2.000A
BDY26C	N	S	SES	605	TO 3	300	180	10.0	6.000A	85.000W	200J	10.000G	1MA	180V	120	2.000A
BDY27A	N	S	SES	605	TO 3	400	200	10.0	6.000A	85.000W	200J	10.000G	1MA	200V	30	2.000A
BDY27B	N	S	SES	605	TO 3	400	200	10.0	6.000A	85.000W	200J	10.000G	1MA	200V	60	2.000A
BDY27C	N	S	SES	605	TO 3	400	200	10.0	6.000A	85.000W	200J	10.000G	1MA	200V	120	2.000A
BDY28A	N	S	SES	605	TO 3	500	250	10.0	6.000A	85.000W	200J	10.000G	1MA	250V	30	2.000A
BDY28B	N	S	SES	605	TO 3	500	250	10.0	6.000A	85.000W	200J	10.000G	1MA	250V	60	2.000A
BDY28C	N	S	SES	605	TO 3	500	250	10.0	6.000A	85.000W	200J	10.000G	1MA	250V	120	2.000A
BF110	N	S	TFK,SIH	210	TO 39	150	150S	5.0	.040A	2.500W	175J	150.000G	100NA	140V	30	.010A
BF111	N	S	SIH	211	TO 39		200S	5.0	.080A	3.000W	175J	120.000G	200NA	160V	30	.060A
BF114	N	S	TFK	210	TO 18	150	145R	5.0	.040A	2.600W	175J	80.000G	100NA	100V	30	.010A
BF115	N	S	TFK,SIH	218	TO 72	50	30	4.0	.030A	.145W	175J	230.000G	500NA	10V	80	.001A
BF117	N	S	IMG	211	TO 39	140	140	5.0	.100A	1.270W	175J	80.000G	10NA	100V	38	.030A
BF118	N	S	IMG	211	TO 39	250	250R	5.0	.100A	5.000W	175J	110.000G	50NA	200V	38	.030A
BF119	N	S	IMG	211	TO 39	160	160R	5.0	.100A	5.000W	175J	110.000G	50NA	100V	38	.030A
BF121	N	S	IMG	230	230A		30		.025A	.330W	125J	100.000G				
BF123	N	S	IMG	230	230A		30		.030A	.330W	125J	35.000G				
BF125	N	S	IMG	230	230A		30		.030A	.330W	125J	100.000G				
BF127	N	S	IMG	230	230A		30		.025A		125J	35.000G				
BF167	N	S	TFK,SES,SIH	218	TO 72	40	30	4.0	.025A	.130W	175J	330.000G			57	.004A
BF168	N	S	TFK	218	TO 72	50	30	4.0	.025A	.260W	175J	550.000G	300NA	20V	100	.007A
BF173	N	S	SIH	218	TO 72	40	25	4.0	.025A	.260W	175J	550.000G			88	.007A
BF177	N	S	SIH	211	TO 39		100S	5.0	.040A	.600W	175J	120.000G			30	.015A
BF178	N	S	SIH	211	TO 39		160S	5.0	.050A	1.700W	175J	120.000G			30	.030A
BF179A	N	S	SIH	211	TO 39		160S	5.0	.050A	1.700W	175J	120.000G			30	.020A
BF179B	N	S	SIH	211	TO 39		220S	5.0	.050A	1.700W	175J	120.000G			30	.020A
BF179C	N	S	SIH	211	TO 39		250S	5.0	.050A	1.700W	175J	120.000G			30	.020A
BF184	N	S	SIH	218	TO 72	30	20	5.0	.030A	.145W	175J	300.000G			115	.001A
BF185	N	S	SIH	218	TO 72	30	20	5.0	.030A	.145W	175J	220.000G			67	.001A
BF194	N	S	SIH	985	985A	30	20	5.0	.030A	.220W	125J	260.000G			115	.001A
BF195	N	S	SIH	985	985A	30	20	5.0	.030A	.220W	125J	200.000G			67	.001A
BF232	N	S	SIH	218	TO 72		48S	4.0	.030A	.270W	175J	600.000G			45	.007A
BFX55	N	S	SIH	210	TO 39	60	40	3.5	.400A	3.700W	175J	500.000G	50NA	40V	80	.050A
BFX59	N	S	SIH	217	TO 72	30	20	3.0	.100A		175J	800.000G	10NA	20V	120	.010A
BFX60	N	S	SIH	218	TO 72	40	25	4.0	.025A	.230W	175J	550.000G			75	.007A
BFX62	N	S	SIH	217	TO 72	30		4.0	.012A	.150W	200J	650.000G			40	.002A
BFY10	N	S	RAD	210	TO 5	45	45		.050A	.300W	175J	50.000B			50	
BFY11	N	S	RAD	210	TO 5	45	45		.050A	.300W	175J	60.000B			80	
BFY27			SEE 2N915													
BFY33	N	S	SIH	210	TO 39	50	24	7.0	.500A	2.600W	200J	100.000G	20NA	40V	60	.150A
BFY34	N	S	SIH	210	TO 39	40	30	7.0	.500A	2.600W	200J	60.000G	10NA	60V	70	.150A
BFY39-1	N	S	IMG	211	TO 18	45	25	5.0	.100A	.300W	175J	150.000G	50NA	30V	62	.010A
BFY39-2	N	S	IMG	211	TO 18	45	25	5.0	.100A	.300W	175J	150.000G	50NA	30V	150	.010A
BFY39-3	N	S	IMG	211	TO 18	45	25	5.0	.100A	.300W	175J	150.000G	50NA	30V	280	.010A
BFY40	N	S	IMG	211	TO 39	60	30	7.0	.750A	.800W	200J	100.000G	100NA	30V	75	.050A
BFY41	N	S	IMG	211	TO 39	120	60	5.0	.500A	.800W	200J	100.000G	100NA	90V	53	.050A

Transistor Type No.	N, G / P S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{r,e}$	$V_{r,b}$	$V_{s,b}$	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{c,o}$ @	$V_{c,e}$	Gain $h_{f,e}$ @	I_c
BFY45	N S	SIH	210	TO 39		140S	5.0	.030A	2.500W	200J	130.000G	100NA	140V	60	.010A
BFY46	N S	SIH	210	TO 39	75	30	7.0	.500A	2.600W	200J	70.000G	10NA	60V	175	.150A
BFY50	N S	IMG	211	TO 39	80	35	6.0	1.000A	2.800W	200J	100.000G	50NA	60V	30	.150A
BFY51	N S	IMG	211	TO 39	60	30	6.0	1.000A	2.800W	200J	110.000G	50NA	40V	45	.150A
BFY52	N S	IMG	211	TO 39	40	20	6.0	1.000A	2.800W	200J	120.000G	50NA	30V	45	.150A
BFY65	N S	TFK	210	TO 5	100	90R	7.0	.050A	.565W	175J	50.000G	50NA	75V	30	.002A
BFY66		SEE 2N918													
BFY69A	N S	TFK	8	8A	25	18	5.0		.060W	150J	20.000G	50NA	18V	50	.010A
BFY69B	N S	TFK	8	8B	25	18	5.0		.060W	150J	20.000G	50NA	18V	50	.010A
BFY80	N S	TFK	210	TO 18	100	90R	7.0	.050A	.260W	175J	50.000G	50NA	75V	30	.002A
BR100A		SEE 2N5527													
BR100B	N S	BEN	541	541B	60	40	3.0	5.000A	7.500W	200J	500.000G	100UA	30V	100	3.000A
BR100C		SEE 2N5528													
BR1000	N S	BEN	540	TO 60	60	40	3.0	10.000A	35.000W	200J	500.000G	100UA	30V	100	3.000A
BR100E		SEE 2N5529													
BR100F		SEE 2N5530													
BR101A		SEE 2N5531													
BR101B	N S	BEN	541	541B	90	70	3.0	5.000A	7.500W	200J	500.000G	100UA	30V	68	3.000A
BR101C		SEE 2N5532													
BR1010	N S	BEN	540	TO 60	90	70	3.0	10.000A	35.000W	200J	500.000G	100UA	30V	68	3.000A
BR101E		SEE 2N5533													
BR101F		SEE 2N5534													
BR200A		SEE 2N5535													
BR200B		SEE 2N5536													
BR201A		SEE 2N5537													
BR201B		SEE 2N5538													
BR300A	N S	BEN	561	TO 61	60	50		25.000A	50.000W					90	10.000A
BR300B	N S	BEN	560	TO 61	60	50		25.000A	50.000W					90	10.000A
BR301A	N S	BEN	561	TO 61	90	75		25.000A	50.000W					90	10.000A
BR301B	N S	BEN	560	TO 61	90	75		25.000A	50.000W					90	10.000A
BR400A	N S	BEN	561	TO 61	60	50		25.000A	50.000W					90	5.000A
BR400B	N S	BEN	560	TO 61	60	50		25.000A	50.000W					90	5.000A
BR401A	N S	BEN	561	TO 61	90	75		25.000A	50.000W						5.000A
BR401B	N S	BEN	560	TO 61	90	75		25.000A	50.000W					90	5.000A
BSC-1015	-N S	BEN	412	TO 82	30		10.0	.750A	15.000W	150J	.020E			20	
BSC-1015A	-N S	BEN	412	TO 82	60		10.0	.750A	15.000W	150J	.020E			20	
BSC-1015B	-N S	BEN	412	TO 82	100		10.0	.750A	15.000W	150J	.020E			20	
BSC-1016	-N S	BEN	412	TO 82	30		10.0	.750A	15.000W	150J	.020E			20	
BSC-1016A	-N S	BEN	412	TO 82	60		10.0	.750A	15.000W	150J	.020E			20	
BSC-1016B	-N S	BEN	412	TO 82	100		10.0	.750A	15.000W	150J	.020E			20	
BSW72	P S	IMG	211	TO 18	40	25	5.0	.500A	.400W	200J	200.000G	100NA	30V	70	.150A
BSW73	P S	IMG	211	TO 18	40	25	5.0	.500A	.400W	200J	200.000G	100NA	30V	175	.150A
BSW74	P S	IMG	211	TO 18	75	40	5.0	.500A	.400W	200J	200.000G	10NA	50V	70	.150A
BSW75	P S	IMG	211	TO 18	75	40	5.0	.500A	.400W	200J	200.000G	10NA	50V	175	.150A
BSW82	N S	IMG	211	TO 18	40	25	5.0	.500A	.500W	175J	250.000G	100NA	30V	70	.100A
BSW83	N S	IMG	211	TO 18	40	25	5.0	.500A	.500W	175J	250.000G	100NA	30V	175	.100A
BSW84	N S	IMG	211	TO 18	75	40	5.0	.500A	.500W	175J	250.000G	10NA	50V	70	.100A
BSW85	N S	IMG	211	TO 18	75	40	5.0	.500A	.500W	175J	250.000G	10NA	50V	175	.100A
BSX22	N S	IMG	211	TO 39	40	32	5.0	1.500A	6.000W	175J	100.000G	1UA	10V	53	.500A
BSX23	N S	IMG	211	TO 39	90	65	5.0	1.500A	6.000W	175J	100.000G	1UA	30V	53	.500A
BSX25	N S	TFK	210	TO 18	40	25	5.0		.320W	200J	50.000G	50NA	30V	30	.005A
BSX38	N S	TFK	210	TO 18	35	30	5.0	.200A	.175W	150J	200.000G	50NA	25V	70	.010A
BSX40	P S	IMG	211	TO 39	30	30	5.0	.500A	.800W	200J	100.000G	25NA	25V	70	.150A
BSX41	P S	IMG	211	TO 39	30	30	5.0	.500A	.600W	200J	150.000G	25NA	25V	175	.150A
BSX45	N S	SIH	211	TO 39			7.0	1.000A	5.000W	200J	60.000G	10NA	60V	70	.150A
BSX46	N S	SIH	211	TO 39			7.0	1.000A	5.000W	200J	60.000G	10NA	60V	70	.150A
BSX48	N S	SIH	210	TO 18	50	25	5.0	.600A	1.000W	200J	400.000G	120NA	50V	42	.100A
BSX49	N S	SIH	210	TO 18	60	40	5.0	.600A	1.000W	200J	400.000G	70NA	50V	42	.100A
BSX62	N S	SIH	211	TO 39		60S	5.0	2.000A	4.400W	200J	30.000G	100NA	40V	105	1.000A
BSX63	N S	SIH	211	TO 39		80S	5.0	2.000A	4.400W	200J	30.000G	100NA	60V	68	1.000A
BSY10	N S	RAO	210	TO 5	60	60		.050A	.300W	175J	60.000B			90	
BSY11	N S	RAO	210	TO 5	60	60		.050A	.300W	175J	50.000B			120	
BSY17	N S	SIH	210	TO 18	20	12	5.0	.200A	1.000W	200J	280.000G	1UA	20V	35	.010A
BSY18	N S	SIH	210	TO 18	20	12	5.0	.200A	1.000W	200J	280.000G	1UA	20V	70	.010A
BSY19		SEE 2N708													
BSY21		SEE 2N914													
BSY34	N S	SIH	210	TO 39	60	40	5.0	.600A	2.600W	200J	250.000G	70NA	50V	42	.100A
BSY44		SEE 2N1613													
BSY45		SEE 2N1893													
BSY46		SEE 2N2193													
BSY51	N S	IMG	211	TO 39	60	25	5.0	.500A	.800W	200J	100.000G	100NA	30V	70	.150A
BSY52	N S	IMG	211	TO 39	60	25	5.0	.500A	.800W	200J	100.000G	100NA	30V	175	.150A
BSY53	N S	IMG	211	TO 39	75	30	7.0	.750A	.800W	200J	100.000G	10NA	60V	70	.150A
BSY54	N S	IMG	211	TO 39	75	30	7.0	.750A	.800W	200J	100.000G	10NA	60V	175	.150A
BSY55	N S	IMG	211	TO 39	120	80	7.0	.500A	.800W	200J	100.000G	10NA	90V	70	.150A
BSY56	N S	IMG	211	TO 39	120	80	7.0	.500A	.800W	200J	100.000G	10NA	90V	175	.150A
BSY58	N S	SIH	210	TO 39	50	25	5.0	.600A	2.600W	200J	250.000G	120NA	50V	42	.100A
BSY61	N S	SIH	43	TO 92	25	15	5.0	.200A	.200W	125J	200.000G	500NA	15V	105	.010A
BSY62	N S	SIH	210	TO 18	25	15	5.0	.200A	1.000W	200J	200.000G	500NA	15V	95	.010A
BSY63	N S	SIH	210	TO 18	40	15	5.0	.200A	1.000W	200J	300.000G	25NA	20V	60	.010A
BSY70		SEE 2N706													
BSY71		SEE 2N1711													
BSY72	N S	IMG	211	TO 18	25	18	5.0	.100A	.300W	175J	170.000G	100NA	20V	142	.001A
BSY73	N S	IMG	211	TO 18	25	18	5.0	.100A	.300W	175J	145.000G	100NA	20V	60	.001A
BSY74	N S	IMG	211	TO 18	25	18	5.0	.100A	.300W	175J	170.000G	100NA	20V	142	.001A
BSY75	N S	IMG	211	TO 18	40	32	5.0	.100A	.300W	175J	145.000G	50NA	32V	60	.001A
BSY76	N S	IMG	211	TO 18	40	32	5.0	.100A	.300W	175J	170.000G	50NA	32V	142	.001A
BSY77	N S	IMG	211	TO 18	80	64	5.0	.100A	.300W	175J	145.000G	50NA	65V	60	.001A
BSY78	N S	IMG	211	TO 18	80	64	5.0	.100A	.300W	175J	170.000G	50NA	65V	142	.001A
BSY79	N S	IMG	211	TO 18	120		5.0	.030A	.300W	175J		50NA	90V	45	.001A
BSY80	N S	IMG	211	TO 18	25	18	5.0	.100A	.300W	175J	210.000G	100NA	20V	300	.001A
BSY81	N S	IMG	211	TO 39	40	18	5.0	1.000A	5.000W	200J	100.000G	100NA	30V	70	.150A
BSY82	N S	IMG	211	TO 39	40	18	5.0	1.000A	5.000W	200J	120.000G	100NA	30V	175	.150A
BSY83	N S	IMG	211	TO 39	80	35	7.0	1.000A	5.000W	200J	100.000G	10NA	60V	70	.150A
BSY84	N S	IMG	211	TO 39	80	35	7.0	1.000A	5.000W	200J	120.000G	10NA	60V	175	.150A
BSY85	N S	IMG	211	TO 39	120	64	7.0	1.000A	5.000W	200J	110.000G	10NA	90V	70	.150A
BSY86	N S	IMG	211	TO 39	120	64	7.0	1.000A	5.000W	200J	130.000G	10NA	90V	175	.150A
BSY87	N S	IMG	211	TO 39	100	60	7.0	.500A	.800W	200J	100.000G	10NA	75V	70	.150A
BSY88	N S	IMG	211	TO 39	100	60	7.0	.500A	.800W	200J	100.000G	10NA	75V	175	.150A
BSY90	N S	IMG	211	TO 39	60	25	5.0	.500A	.800W	200J	100.000G	10NA	30V	375	.150A
BSY91	N S	TFK	210	TO 5	40	25	5.0		.700W	200J	50.000G	50NA	30V	30	.005A
BSY92	N S	TFK	210	TO 5	60	40	5.0		.700W	200J	50.000G	20NA	50V	60	.010A
BSY93	N S	TFK	210	TO 18	60	40	5.0		.320W	200J	50.000G	20NA	50V	60	.010A
BSY95A	N S	IMG	211	TO 18	20	15	5.0	.300A	.300W	200J	200.000G	50NA	16V	75	.010A
BUY12	N S	SIH	609	609A	210	80	5.0	10.000A	70.000W	150J	5.000G	200UA	150V	21	8.000A
BUY13	N S	SIH	609	609A	120	70	5.0	10.000A	70.000W	150J	5.000G	200UA	80V	21	8.000A
BUY14	N S	SIH	605	605A	60	60	5.0	8.000A	35.000W	150J	5.000G	200UA	60V	21	6.000A
CA202	-P G	MHR	427	TO 10	20		12.0	3.500A	32.000W	95A	.005E	4MA	20V	40	
COT1310	-P G	CLE	605	TO 3	40	25	30.0	5.000A	45.000W	95J	.003E	2MA	20V	80	

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
CDT1311	-P	G	CLE	605	TO 3	60	40	30.0	5.000A	45.000W	95J	.003E	2MA	30V	80	
CDT1312	-P	G	CLE	605	TO 3	80	50	30.0	5.000A	45.000W	95J	.003E	2MA	40V	80	
CDT1313	-P	G	CLE	605	TO 3	100	60	30.0	5.000A	45.000W	95J	.003E	2MA	50V	80	
CDT1319	-P	G	CLE	605	TO 3	40	25	30.0	5.000A	45.000W	95J	.003E	2MA	20V	40	
COT1320	-P	G	CLE	605	TO 3	60	40	30.0	5.000A	45.000W	95J	.003E	2MA	30V	40	
COT1321	-P	G	CLE	605	TO 3	80	50	30.0	5.000A	45.000W	95J	.003E	2MA	40V	40	
COT1322	-P	G	CLE	605	TO 3	100	60	30.0	5.000A	45.000W	95J	.003E	2MA	50V	40	
CK4	-P	G	RAY	110	110A	25	24	12.0	.100A	.080W	85J	40.000B	5UA	12V	60	
CK4A	-P	G	RAY	110	110B	25	24	12.0	.100A	.080W	85J	40.000B	5UA	12V	60	
CK13	-P	G	RAY	110	110A	18	18		.200A	.150W	85J	3.000B	2UA	12V	25	
CK14	-P	G	RAY	110	110A	15	15		.200A	.150W	85J	5.000B	2UA	12V	60	
CK16	-P	G	RAY	110	110A	12	12		.200A	.150W	85J	10.000B	2UA	12V	80	
CK17	-P	G	RAY	110	110A	10	10		.200A	.150W	85J	20.000B	2UA	12V	140	
CK22	-P	G	RAY	110	110A	35	20	12.0	.100A	.080W	85J	1.200B	6UA	20V	90	
CK22A	-P	G	RAY	110	110B	35	20	12.0	.100A	.080W	85J	1.200B	6UA	20V	90	
CK22B	-P	G	RAY	295	295A	35	20	12.0	.100A	.080W	85J	1.200B	6UA	20V	90	
CK22C	-P	G	RAY	315	315A	35	20	12.0	.100A	.080W	85J	1.200B	6UA	20V	90	
CK25	-P	G	RAY	110	110A	20	20		.400A	.150W	85J	4.000B	4UA	2V	30	
CK26	-P	G	RAY	110	110A	18	18		.400A	.150W	85J	6.000B	4UA	2V	40	
CK27	-P	G	RAY	110	110A	15	15		.400A	.150W	85J	11.000B	4UA	2V	55	
CK28	-P	G	RAY	110	110A	30	12	20.0	.400A	.080W	85J	10.000B	41A	2V	80	
CK28A	-P	G	RAY	110	110B	30	12	20.0	.400A	.080W	85J	10.000B	4UA	2V	80	
CK64	-P	G	RAY	110	110A	45	29	12.0	.400A	.080W	85J	.800B	5UA	20V	24	
CK65	-P	G	RAY	110	110A	45	30	12.0	.400A	.080W	85J	1.000B	5UA	20V	44	
CK65A	-P	G	RAY	110	110B	45	30	12.0	.400A	.080W	85J	1.000B	5UA	20V	44	
CK66	-P	G	RAY	110	110A	35	20	12.0	.400A	.080W	85J	1.000B	5UA	20V	90	
CK66A	-P	G	RAY	110	110B	35	20	12.0	.400A	.080W	85J	1.200B	5UA	20V	90	
CK67	-P	G	RAY	110	110A	35	15	12.0	.400A	.080W	85J	1.500B	5UA	20V	180	
CK256	-P	G	RAY	100	100B	30	15	30.0	3.000A	20.000W	85J	.004E	1MA	30V	50	
CK258	-P	G	RAY	100	100B	60	30	60.0	3.000A	20.000W	85J	.004E	1MA	60V	42	
CK311	-P	G	RAY	426	TO 13	80	80R	60.0	3.000A	20.000W	85J	.004E	5MA	80V	42	
CK312	-P	G	RAY	426	TO 13	100	100R	60.0	3.000A	20.000W	85J	.004E	5MA	100V	42	
CK313	-P	G	RAY	426	TO 13	120	120R	60.0	3.000A	20.000W	85J	.004E	5MA	120V	42	
CK314	-P	G	RAY	426	TO 13	150	150R	60.0	3.000A	20.000W	85J	.004E	5MA	150V	42	
CK315	-P	G	RAY	426	TO 13	200		60.0	3.000A	20.000W	85J	.004E	5MA	200V	42	
CK398	-N	S	RAY	210	TO 5	120	120S	6.0	.050A	.250W	175J		500NA	30V	40	
CK419	-N	S	RAY	210	TO 5	50	40	5.0	.050A	.250W	160J	10.000B	100NA	30V	18	
CK420	-N	S	RAY	210	TO 5	50	50	50.0	.050A	.250W	160J	10.000B	100NA	30V	300	
CK421	-N	S	RAY	210	TO 5	50	50	50.0	.050A	.250W	160J	10.000B	100NA	30V	360	
CK422	-N	S	RAY	210	TO 5	50	55	5.0	.050A	.250W	160J	10.000B	100NA	30V	25	
CK474	-N	S	RAY	210	TO 5	50	40	5.0	.050A	.250W	160J	10.000B	1UA	30V	15	
CK475	-N	S	RAY	210	TO 5	50	35	5.0	.050A	.250W	160J	10.000B	1UA	30V	28	
CK476	-N	S	RAY	210	TO 5	50	30	5.0	.050A	.250W	160J	10.000B	1UA	30V	60	
CK477	-N	S	RAY	210	TO 5	50	30	5.0	.050A	.250W	160J	10.000B	1UA	30V	25	
CK721	-P	G	RAY	5	5C	15	15		.010A	.180W	85J	.800B	6UA	20V	22	
CK722	-P	G	RAY	5	5C	22	22		.010A	.180W	85J	.600B	6UA	20V	45	
CK725	-P	G	RAY	5	5C	24	12		.010A	.200W	75A	1.200B	6UA	6V	90	
CK727	-P	G	RAY	5	5C	6			.010A	.080W	70A	.800B	12UA	2V	50	
CK751	-P	G	RAY	5	5X	20	9		.100A	.240W	85J	1.200B	6UA	20V	40	
CK754	-P	G	RAY	5	5D	10	10		.100A	.100W	85J	1.200B	5UA	20V	300	
CK759			SEE 2N111													
CK760			SEE 2N112													
CK761			SEE 2N113													
CK762			SEE 2N114													
CK766			SEE 2N211													
CK768	-P	G	RAY	10	10A	15	15		.100A	.150W	85J	2.500B	1UA	12V	20	
CK790	-P	S	RAY	10	10A	45		22.0	.050A	.200W	135A	.200B	200NA	20V	15	
CK791	-P	S	RAY	10	10A	30		22.0	.050A	.200W	135A	.200B	200NA	20V	24	
CK793	-P	S	RAY	10	10A	30		22.0	.050A	.200W	135A	.200B	200NA	20V	20	
CK870	-P	G	RAY	5	5A	20	20		.150A	.130W	85J	.500B	6UA	20V	12	
CK871	-P	G	RAY	5	5A	15	15		.150A	.130W	85J	.600B	6UA	20V	20	
CK882	-P	G	RAY	10	10A	24	24		.100A	.150W	85J	1.000B	6UA	20V	90	
CK888	-P	G	RAY	10	10A	12	12		.100A	.150W	85J	1.400B	6UA	20V	140	
CK942			SEE 2N1623													
CTP1111	-P	G	CLE	605	TO 3	80	60S	45.0		45.000W	95J	.004E	5MA	80V	45	
CTP1117	-P	G	CLE	605	TO 3	40		10.0		40.000W	90J	.300B	2MA	40V	100	
CTP1133	-P	G	CLE	605	TO 3	40	40S	6.0		40.000W	90J	.015E	4MA	40V	60	
CTP1135	-P	G	CLE	605	TO 3	40	40S	20.0		40.000W	90J	1.000G	4MA	40V	80	
CTP1136	-P	G	CLE	605	TO 3	60	60S	20.0		40.000W	90J	1.000G	4MA	60V	80	
CTP1500	-P	G	CLE	605	TO 3	100	65	30.0	15.000A	75.000W	95J	.003E	500UA	2V	50	
CTP1503	-P	G	CLE	605	TO 3	80	55	30.0	15.000A	75.000W	95J	.003E	500UA	2V	50	
CTP1504	-P	G	CLE	605	TO 3	60	40	30.0	15.000A	75.000W	95J	.003E	500UA	2V	50	
CTP1508	-P	G	CLE	605	TO 3	40	25	30.0	15.000A	75.000W	95J	.003E	500UA	2V	50	
CTP1544	-P	G	CLE	605	TO 3	60	30	30.0	25.000A	75.000W	95J	.002E	4MA	60V	76	
CTP1545	-P	G	CLE	605	TO 3	80	40	30.0	25.000A	75.000W	95J	.002E	4MA	80V	76	
CTP1552	-P	G	CLE	605	TO 3	40	20	30.0	25.000A	75.000W	95J	.002E	4MA	40V	76	
CTP1553	-P	G	CLE	605	TO 3	100	50	30.0	25.000A	75.000W	95J	.002E	4MA	100V	76	
CTP3500	-P	G	CLE	607	TO 41	100	65	30.0	15.000A	75.000W	95J	.003E	500UA	2V	50	
CTP3503	-P	G	CLE	607	TO 41	80	55	30.0	15.000A	75.000W	95J	.003E	500UA	2V	50	
CTP3504	-P	G	CLE	607	TO 41	60	40	30.0	15.000A	75.000W	95J	.003E	500UA	2V	50	
CTP3508	-P	G	CLE	607	TO 41	40	25	30.0	15.000A	75.000W	95J	.003E	500UA	2V	50	
CTP3544	-P	G	CLE	607	TO 41	60	30	30.0	25.000A	75.000W	95J	.002E	4MA	60V	76	
CTP3545	-P	G	CLE	607	TO 41	80	40	30.0	25.000A	75.000W	95J	.002E	4MA	80V	76	
CTP3552	-P	G	CLE	607	TO 41	40	20	30.0	25.000A	75.000W	95J	.002E	4MA	40V	76	
CTP3553	-P	G	CLE	607	TO 41	100	50	30.0	25.000A	75.000W	95J	.002E	4MA	100V	76	
O6C	N	S	GEC	561	TO 63	150	80	15.0	30.000A	150.000W	175J	LSSW	10MA	150V	40	30.000A
O16G6	N	S	GEC	4	TO 98	30	12	3.0	.025A	.200W	100J	500.000G	500NA	30V	30	.005A
O16K4	N	S	GEC	45	TO 98	30	30	4.0	.025A	.200W	100J	580.000G	500NA	20V	110	.005A
O24A3391	N	S	GEC	927	927A	25	25	5.0	.100A	.200W	100J	120.000G	100NA	25V	376	.002A
O24A3391A	N	S	GEC	927	927A	25	25	5.0	.100A	.200W	100J	120.000G	100NA	25V	376	.002A
O24A3392	N	S	GEC	927	927A	25	25	5.0	.100A	.200W	100J	140.000G	100NA	25V	226	.002A
O24A3393	N	S	GEC	927	927A	25	25	5.0	.100A	.200W	100J	140.000G	100NA	25V	136	.002A
O24A3394	N	S	GEC	927	927A	25	25	5.0	.100A	.200W	100J	140.000G	100NA	25V	82	.002A
O24A3900	N	S	GEC	927	927A	18	18	5.0	.100A	.200W	100J	160.000G	100NA	18V	376	.002A
O24A3900A	N	S	GEC	927	927A	18	18	5.0	.100A	.200W	100J	160.000G	100NA	18V	376	.002A
O26B1	N	S	GEC	132	132A	40	15	4.5		.090W	100J	400.000G	400NA	20V	36	.010A
O26B2	N	S	GEC	132	132A	40	15	4.5		.090W	100J	500.000G	400NA	20V	70	.010A
O26C1	N	S	GEC	132	132A	18	18	5.0		.090W	100J	MSSW	25NA	18V	52	.010A
O26C2	N	S	GEC	132	132A	18	18	5.0		.090W	100J	MSSW	25NA	18V	104	.010A
D26C3	N	S	GEC	132	132A	18	18	5.0		.090W	100J	MSSW	25NA	18V	200	.010A
D26E-1	N	S	GEC	132	132A	45	45	5.0		.090W	100J	80.000G	10NA	45V	300	.010A
D26E-2	N	S	GEC	132	132A	18	18	5.0		.090W	100J	80.000G	25NA	18V	58	
D26E-3	N	S	GEC	132	132A	18	18	5.0		.090W	100J	80.000G	25NA	18V	110	
O26E-4	N	S	GEC	132	132A	18	18	5.0		.090W	100J	80.000G	25NA	18V	170	
O26E-5	N	S	GEC	132	132A	18	18	5.0		.090W	100J	80.000G	25NA	18V	226	
O26E-6	N	S	GEC	132	132A	18	18	5.0		.090W	100J	80.000G	25NA	18V	120	
O26G-1	N	S	GEC	132	132A	30	15	3.0		.090W	100J	600.000G	10NA	15V	40	.003A
D27C1			SEE O42C5													
D27C2			SEE D42C4													

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
D27C3			SEE D42C2													
D27C4			SEE D42C1													
D27D1			SEE D43C5													
D27D2			SEE D43C4													
D27D3			SEE D43C2													
D27D4			SEE D43C1													
D28A05	N	S	GEC	52	52A	35	25	5.0	.500A	1.000W	150J	10.000G	100NA	35V	130	.002A
D28A06	N	S	GEC	52	52A	35	25	5.0	.500A	1.000W	150J	10.000G	100NA	35V	314	.002A
D28A12	N	S	GEC	52	52A	50	50	5.0	.500A	1.000W	150J	10.000G	100NA	50V	130	.002A
D28A13	N	S	GEC	52	52A	50	50	5.0	.500A	1.000W	150J	10.000G	100NA	50V	314	.002A
D28D			SEE D40D													
D28E			SEE D40N													
D29A04	N	S	GEC,SPR	45	TO 98	35	25	4.0	.500A	.330W	125J	140.000G	100NA	35V	75	.050A
D29A05	N	S	GEC,SPR	45	TO 98	35	25	4.0	.500A	.330W	125J	140.000G	100NA	35V	176	.050A
D29A06	N	S	GEC	45	TO 98	35	25	4.0	.500A	.330W	125J	140.000G	100NA	35V	376	.050A
D29A07	N	S	GEC	45	TO 98	50	40	4.0	.500A	.330W	125J	140.000G	100NA	50V	75	.050A
D29A08	N	S	GEC	45	TO 98	50	40	4.0	.500A	.330W	125J	140.000G	100NA	50V	176	.050A
D29A09	N	S	GEC	45	TO 98	50	40	4.0	.500A	.330W	125J	140.000G	100NA	50V	376	.050A
D29A10	N	S	GEC	45	TO 98	60	60	5.0	.500A	.330W	125J	140.000G	50NA	60V	75	.050A
D29A11	N	S	GEC	45	TO 98	60	60	5.0	.500A	.330W	125J	140.000G	50NA	60V	176	.050A
D29A12	N	S	GEC	45	TO 98	35	25	4.0	.500A	.330W	125J	140.000G	100NA	35V	376	.050A
D29E01	P	S	GEC	45	TO 98	35		5.0	.750A	.500W	135J	100.000G	100NA	25V	105	.002A
D29E01J1	P	S	GEC	45	45B	35	25	5.0	.750A	.700W	135J	100.000G	100NA	25V	105	.002A
D29E02	P	S	GEC	45	TO 98	35	25	5.0	.750A	.500W	135J	135.000G	100NA	25V	262	.002A
D29E02J1	P	S	GEC	45	45B	35	25	5.0	.750A	.700W	135J	135.000G	100NA	25V	262	.002A
D29E04	P	S	GEC	45	TO 98	50	40	5.0	.750A	.500W	135J	100.000G	100NA	25V	90	.002A
D29E04J1	P	S	GEC	45	45B	50	40	5.0	.750A	.700W	135J	100.000G	100NA	25V	90	.002A
D29E05	P	S	GEC	45	TO 98	50	40	5.0	.750A	.500W	135J	125.000G	100NA	25V	150	.002A
D29E05J1	P	S	GEC	45	45B	50	40	5.0	.750A	.700W	135J	120.000G	100NA	25V	150	.002A
D29E06	P	S	GEC	45	TO 98	50	40	5.0	.750A	.500W	135J	135.000G	100NA	25V	225	.002A
D29E06J1	P	S	GEC	45	45B	50	40	5.0	.750A	.700W	135J	135.000G	100NA	25V	225	.002A
D29E07	P	S	GEC	45	TO 98	50	40	5.0	.750A	.500W	135J	150.000G	100NA	25V	375	.002A
D29E07J1	P	S	GEC	45	45B	50	40	5.0	.750A	.700W	135J	150.000G	100NA	25V	375	.002A
D29E08	P	S	GEC	45	TO 98	70	60	5.0	.750A	.500W	135J	80.000G	100NA	25V	60	.002A
D29E08J1	P	S	GEC	45	45B	70	60	5.0	.750A	.700W	135J	80.000G	100NA	25V	60	.002A
D29E09	P	S	GEC	45	TO 98	70	60	5.0	.750A	.500W	135J	100.000G	100NA	25V	90	.002A
D29E09J1	P	S	GEC	45	45B	70	60	5.0	.750A	.700W	135J	100.000G	100NA	25V	90	.002A
D29E10	P	S	GEC	45	TO 98	70	60	5.0	.750A	.500W	135J	120.000G	100NA	25V	150	.002A
D29E10J1	P	S	GEC	45	45B	70	60	5.0	.750A	.700W	135J	120.000G	100NA	25V	150	.002A
D30A1	P	S	GEC	132	132A	18	18	4.0		.090W	100J		25NA	18V	52	.010A
D30A2	P	S	GEC	132	132A	18	18	4.0		.090W	100J		25NA	18V	104	.010A
D30A3	P	S	GEC	132	132A	18	18	4.0		.090W	100J		25NA	18V	200	.010A
D31B			SEE D41D													
D33D21	N	S	GEC	45	TO 98	35	25	5.0	.750A	.500W	135J	100.000G	100NA	25V	105	.002A
D33D21J1	N	S	GEC	45	45B	35	25	5.0	.750A	.700W	135J	100.000G	100NA	25V	105	.002A
D33D22	N	S	GEC	45	TO 98	35	25	5.0	.750A	.500W	135J	135.000G	100NA	25V	262	.002A
D33D22J1	N	S	GEC	45	45B	35	25	5.0	.750A	.700W	135J	135.000G	100NA	25V	262	.002A
D33D24	N	S	GEC	45	TO 98	50	40K		.750A	.500W	135J	100.000G	100NA	25V	90	.002A
D33D24J1	N	S	GEC	45	45B	50	40	5.0	.750A	.700W	135J	100.000G	100NA	25V	90	.002A
D33D25	N	S	GEC	45	TO 98	50	40K		.750A	.500W	135J	120.000G	100NA	25V	150	.002A
D33D25J1	N	S	GEC	45	45B	50	40	5.0	.750A	.700W	135J	120.000G	100NA	25V	150	.002A
D33D26	N	S	GEC	45	TO 98	50	40K		.750A	.500W	135J	135.000G	100NA	25V	225	.002A
D33D26J1	N	S	GEC	45	45B	50	40	5.0	.750A	.700W	135J	135.000G	100NA	25V	225	.002A
D33D27	N	S	GEC	45	TO 98	50	40K		.750A	.500W	135J	150.000G	100NA	25V	375	.002A
D33D27J1	N	S	GEC	45	45B	50	40	5.0	.750A	.700W	135J	150.000G	100NA	25V	375	.002A
D33D28	N	S	GEC	45	TO 98	70	60	5.0	.750A	.500W	135J	80.000G	100NA	25V	60	.002A
D33D28J1	N	S	GEC	45	45B	70	60	5.0	.750A	.700W	135J	80.000G	100NA	25V	60	.002A
D33D29	N	S	GEC	45	TO 98	70	60	5.0	.750A	.500W	135J	100.000G	100NA	25V	90	.002A
D33D29J1	N	S	GEC	45	45B	70	60	5.0	.750A	.700W	135J	100.000G	100NA	25V	90	.002A
D33D30	N	S	GEC	45	TO 98	70	70	5.0	.750A	.500W	135J	120.000G	100NA	25V	150	.002A
D33D30J1	N	S	GEC	45	45B	70	60	5.0	.750A	.700W	135J	120.000G	100NA	25V	150	.002A
D40D1	N	S	GEC	52	52A		45S	5.0	1.000A	6.000W	150C	200.000G	100NA	45V	88	.100A
D40D2	N	S	GEC	52	52A		45S	5.0	1.000A	6.000W	150C	200.000G	100NA	45V	210	.100A
D40D3	N	S	GEC	52	52A		45S	5.0	1.000A	6.000W	150C	200.000G	100NA	45V	440	.100A
D40D4	N	S	GEC	52	52A		60S	5.0	1.000A	6.000W	150C	200.000G	100NA	60V	88	.100A
D40D5	N	S	GEC	52	52A		60S	5.0	1.000A	6.000W	150C	200.000G	100NA	60V	210	.100A
D40D7	N	S	GEC	52	52A		75S	5.0	1.000A	6.000W	150C	200.000G	100NA	75V	88	.100A
D40D8	N	S	GEC	52	52A		75S	5.0	1.000A	6.000W	150C	200.000G	100NA	75V	210	.100A
D40N1	N	S	GEC	52	52A		250R	5.0	.100A	6.250W	150C	50.000G	10UA	250V	60	.020A
D40N3	N	S	GEC	52	52A		300R	5.0	.100A	6.250W	150C	50.000G	10UA	300V	60	.020A
D41D1	P	S	GEC	52	52A		45S	5.0	1.000A	6.000W	150J	150.000G	100NA	45V	88	.100A
D41D2	P	S	GEC	52	52A		45S	5.0	1.000A	6.000W	150J	150.000G	100NA	45V	195	.100A
D41D4	P	S	GEC	52	52A		60S	5.0	1.000A	6.000W	150J	150.000G	100NA	60V	88	.100A
D41D5	P	S	GEC	52	52A		60S	5.0	1.000A	6.000W	150J	150.000G	100NA	60V	210	.100A
D41D7	P	S	GEC	52	52A		75S	5.0	1.000A	6.000W	150J	150.000G	100NA	75V	88	.100A
D41D8	P	S	GEC	52	52A		75S	5.0	1.000A	6.000W	150J	150.000G	100NA	75V	210	.100A
D42C1	N	S	GEC	52	52A		45S	5.0	3.000A	12.500W	150J	50.000G	10UA	45V	38	.200A
D42C2	N	S	GEC	52	52A		45S	5.0	3.000A	12.500W	150J	50.000G	10UA	45V	70	.200A
D42C3	N	S	GEC	52	52A		45S	5.0	3.000A	12.500W	150J	50.000G	10UA	45V	70	.200A
D42C4	N	S	GEC	52	52A		60S	5.0	3.000A	12.500W	150J	50.000G	10UA	60V	38	.200A
D42C5	N	S	GEC	52	52A		60S	5.0	3.000A	12.500W	150J	50.000G	10UA	60V	70	.200A
D42C7	N	S	GEC	52	52A		75S	5.0	3.000A	12.500W	150J	50.000G	10UA	75V	38	.200A
D42C8	N	S	GEC	52	52A		75S	5.0	3.000A	12.500W	150J	50.000G	10UA	75V	70	.200A
D43C1	P	S	GEC	52	52A		45S	5.0	3.000A	12.500W	150J	40.000G	10UA	45V	38	.200A
D43C2	P	S	GEC	52	52A		45S	5.0	3.000A	12.500W	150J	40.000G	10UA	45V	70	.200A
D43C3	P	S	GEC	52	52A		45S	5.0	3.000A	12.500W	150J	40.000G	10UA	45V	70	.200A
D43C4	P	S	GEC	52	52A		60S	5.0	3.000A	12.500W	150J	40.000G	10UA	60V	38	.200A
D43C5	P	S	GEC	52	52A		60S	5.0	3.000A	12.500W	150J	40.000G	10UA	60V	70	.200A
D43C7	P	S	GEC	52	52A		75S	5.0	3.000A	12.500W	150J	40.000G	10UA	75V	38	.200A
D43C8	P	S	GEC	52	52A		75S	5.0	3.000A	12.500W	150J	40.000G	10UA	75V	70	.200A
DA3F3	P	G	SOL	480	480A	60	35		10.000A	187.000W	100J	.100G	20MA	60V	50	10.000A
DPT657			SEE 2N2887													
DS25	P	G	DEL	120	TO 1	32			.005A	.080W		AUD				
DS26	P	G	DEL	120	TO 1	60			.020A	.250W		AUD				
DS41	P	G	DEL	75	75	20			.010A	.080W		FM AMP				
DS56	P	G	DEL			30		1.5	.010A	.080W		FM AMP				
DS66	N	S	DEL	210	210	16		1.0	.100A	.500W		AUD				
DS71	N	S	DEL	45	45	30		4.0	.010A	.200W		RF AMP				
DS72	N	S	DEL	45	45	30		4.0	.010A	.200W		RF AMP				
DS74	N	S	DEL	45	45	20		4.0	.050A	.200W		FM AMP				
DS76	N	S	DEL	45	45	16		1.0	.100A	.420W		AUD				
DS81	N	S	DEL	45	45	12		3.0	.050A	.180W		FM AMP				
DS83	P	S	DEL	43	43	40		4.0	.200A	.300W		AUD				
DS501	P	G	DEL	405	TO 36	50		30.0	15.000A	60.000W		AUD				
DS503	P	G	DEL	605	TO 3	60		20.0	5.000A	60.000W		AUD				
DS509	N	S	DEL	605	TO 3	200		5.0	3.500A	80.000W						
DS520	P	G	DEL	605	TO 3	40		20.0	5.000A	60.000W		AUD				
DS525	P	G	DEL	405	TO 36	40		20.0	15.000A	60.000W		AUD				
DTG110	P	G	DEL	605	TO 3	40	40R	20.0	7.000A			.320G	2MA	40V	136	1.000A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{(...)}$			Maximum I_C	Power	Max. T_J(°C)	Frequency Resp.(MHz)	Leakage $I_{...}$ @	$V_{...}$	Gain h_{FE} @	I_C
DTG110A	P	G	DEL	605	TO 3		110X	2.8	25.000A			.850G	20MA	110V	125	1.000A
DTG110B	P	G	DEL	605	TO 3		90X	2.0	25.000A			.850G	20MA	90V	140	1.000A
DTG600	P	G	DEL	605	TO 3	75	50	1.0	25.000A			.850G	20MA	75V	75	5.000A
DTG601	P	G	DEL	605	TO 3	75	60	1.0	25.000A			.850G	20MA	75V	75	5.000A
DTG602	P	G	DEL	605	TO 3	90	70	1.0	25.000A			.850G	20MA	90V	75	5.000A
DTG603	P	G	DEL	605	TO 3	90	80	1.0	25.000A			.850G	20MA	90V	75	5.000A
DTG603M	P	G	DEL	605	TO 3		90X	1.4	15.000A			.850G	20MA	90V	112	5.000A
DTG1010	P	G	DEL	605	TO 3		325X	1.0	15.000A			.250G	10MA	325V		
DTG1110	P	G	DEL	605	TO 3		200X	1.0	15.000A			.450G	15MA	200V		
DTG1200	P	G	DEL	605	TO 3		120	1.0	15.000A			.350G	10MA	120V	34	8.000A
DTG2000	P	G	DEL	605	TO 3		60X	1.0	25.000A			.350G	10MA	60V	37	8.000A
DTG2100	P	G	DEL	605	TO 3		80X	1.0	25.000A			.350G	10MA	80V	37	8.000A
DTG2200	P	G	DEL	605	TO 3		100X	1.0	25.000A			.350G	10MA	100V	37	8.000A
DTG2300	P	G	DEL	605	TO 3		120X	1.0	25.000A			.350G	10MA	120V	37	8.000A
DTG2400	P	G	DEL	605	TO 3		140X	1.0	25.000A			.350G	10MA	140V	37	8.000A
DTG2400M	P	G	DEL	605	TO 3		140X	1.5	25.000A			.350G	10MA	140V	55	10.000A
DTS103	N	S	DEL	605	TO 3		80X	5.0	15.000A	125.000W	150J	4.000G	500UA	80V	34	5.000A
DTS104	N	S	DEL	605	TO 3		80X	5.0	15.000A	125.000W	150J	4.000G	500UA	80V	80	5.000A
DTS105	N	S	DEL	605	TO 3		100X	5.0	15.000A	125.000W	150J	4.000G	500UA	100V	34	5.000A
DTS106	N	S	DEL	605	TO 3		110X	5.0	15.000A	125.000W	150J	4.000G	500UA	110V	34	5.000A
DTS107	N	S	DEL	605	TO 3		120X	5.0	15.000A	125.000W	150J	4.000G	500UA	120V	34	5.000A
DTS401	N	S	DEL	605	TO 3		400	5.0	2.000A				500UA	400V	45	.500A
DTS402	N	S	DEL	605	TO 3		400	5.0	3.500A				500UA	400V		
DTS410	N	S	BEN	605	TO 3	200	200	5.0	3.500A	80.000W	150J	4.000G	250UA	200V	52	1.000A
DTS411	N	S	DEL,BEN	605	TO 3	300	300	5.0	3.500A	100.000W	150J	5.000G	500UA	300V	52	1.000A
DTS413	N	S	DEL,BEN	605	TO 3	400	400	5.0	2.000A	75.000W	150J	5.000G	500UA	400V	40	.500A
DTS423	N	S	DEL,BEN	605	TO 3	400	400	5.0	3.500A	100.000W	150J	6.000G	500UA	400V	52	1.000A
DTS423M	N	S	DEL	605	TO 3	400	400	5.0	3.500A	100.000W	150J	3.000G	250UA	400V	50	1.000A
OTS424	N	S	DEL	605	TO 3		500	5.0	3.500A			4.000G	250UA	500V	52	1.000A
DTS425	N	S	DEL	605	TO 3		500	5.0	3.500A			4.000G	250UA	500V	52	1.000A
DTS430	N	S	DEL	605	TO 3	400	400	5.0	5.000A		150J	4.000G	3MA	400V	26	2.500A
DTS431	N	S	DEL	605	TO 3	400	400	5.0	5.000A		150J	4.000G	3MA	400V	26	2.500A
DTS431M	N	S	DEL	605	TO 3		400	5.0	5.000A			4.000G	3MA	400V	24	2.500A
ECG100	P	G	SYL	210	TO 5	25	20R	20.0	.300A	.150W		5.000B			40	
ECG101	N	G	SYL	210	TO 5	25	20R	20.0	.300A	.150W		5.000B			40	
ECG102	P	G	SYL	210	TO 5	30	16R	20.0	.250A	.150W		2.000B			90	
ECG103	N	G	SYL	210	TO 5	30	16R	20.0	.250A	.150W		2.000B			90	
ECG104	P	G	SYL	605	TO 3	50	35R	20.0	5.000A	90.000W		.010B			90	
ECG105	P	G	SYL	405	TO 36	50	35R	20.0	15.000A	100.000W		.010B			90	
ECG106	P	S	SYL	210	TO 18	35	15	1.0	.075A	.250W		500.000G			30	
ECG107	N	S	SYL	43	TO 92	35	15	1.0	.075A	.250W		1100.000G			30	
ECG108	N	S	SYL	170	170F	35	15	.5	.075A	.250W		800.000G			15	
ECG121	P	G	SYL	605	TO 3	65	45R	15.0	5.000A	90.000W		.022B			80	
ECG123	N	S	SYL	211	TO 5	30	20	5.0	.500A	.500W		50.000G			180	
ECG124	N	S	SYL	605	TO 66	300	300	2.0	.400A	10.000W		30.000G			140	
ECG126	P	G	SYL	105	TO 24	25	25	2.0	.200A	.200W		250.000G			60	
ECG127	P	G	SYL	605	TO 3	350	350S	2.0	10.000A	56.000W		1.000G			23	
ECG128	N	S	SYL	210	TO 5	110	80	7.0	1.000A	1.000W		120.000G			90	
ECG129	P	S	SYL	210	TO 5	110	80	7.0	1.000A	1.000W		120.000G			90	
ECG130	N	S	SYL	605	TO 3	80	60R	5.0	15.000A	115.000W		.800B			40	
ECG131	P	G	SYL	605	TO 66	32	20	10.0	3.000A	6.000W		1.000G			110	
ECG152	N	S	SYL	53	53A	60	60	5.0	3.000A	40.000W		3.000G			60	
ECG153	P	S	SYL	53	53A	60	60	5.0	3.000A	40.000W		3.000G			60	
ECG154	N	S	SYL	211	TO 39	300	300	7.0	.050A	7.000W		40.000G			100	
ECG155	N	G	SYL	605	TO 66	32	20	10.0	3.000A	7.500W		1.000G			110	
EN10	N	S	SEM	210	TO 18	25	15	4.0	.100A	.100W		100.000G			350	
EN30	N	S	SEM	210	TO 18	30	20	4.0	.300A	.300W		300.000G			350	
EN40	N	S	SEM	41	TO 92	30	20	4.0	.300A	.300W		300.000G			350	
EN697	N	S	FSC	173	TO105	60	30	5.0		.300W	125J	50.000G	1UA	30V	70	.150A
EN706	N	S	FSC	173	TO106	25	15	3.0		.200W	125J	300.000G	1NA	15V	60	.010A
EN708	N	S	FSC	173	TO106	40	15	5.0		.200W	125J	300.000G	50NA	20V	60	.010A
EN718A	N	S	FSC	173	TO106	75	40	7.0		.220W	125J	60.000G	50NA	60V	70	.150A
EN722			SEE 2N4354													
EN870	N	S	FSC	173	TO106	100	60	7.0		.200W	125J	50.000G	100NA	75V	70	.150A
EN871	N	S	FSC	173	TO106	100	60	7.0		.200W	125J	60.000G	100NA	75V	175	.150A
EN914	N	S	FSC	173	TO106	40	15	5.0		.200W	125J	300.000G	100NA	20V	60	.010A
EN915	N	S	FSC	173	TO106	70	50	5.0		.200W	125J	250.000G	50NA	60V	100	.010A
EN916	N	S	FSC	173	TO106	45	25	5.0		.200W	125J	300.000G	50NA	30V	100	.010A
EN918	N	S	FSC	173	TO106	30	15	3.0	.050A	.200W	125J	600.000G	50NA	15V	40	.003A
EN930	N	S	FSC	173	TO106	45	45	5.0	.030A	.200W	125J	30.000G	50NA	45V	175	.001A
EN956	N	S	FSC	173	TO106	75	40	7.0		.220W	125J	60.000G	50NA	60V	175	.150A
EN1132			SEE 2N4354													
EN1613	N	S	FSC	173	TO105	75	40	7.0		.300W	125J	60.000G	50NA	60V	100	.150A
EN1711	N	S	FSC	173	TO105	75	40	7.0		.300W	125J	60.000G	50NA	60V	100	.150A
EN2219	N	S	FSC	173	TO105	60	30	5.0	.800A	.350W	125J	250.000G	50NA	50V	175	.150A
EN2222	N	S	FSC	173	TO106	60	30	5.0	.800A	.200W	125J	250.000G	50NA	50V	175	.150A
EN2484	N	S	FSC	173	TO106	60	60	6.0	.050A	.200W	125J	30.000G	50NA	45V	225	.001A
EN2894A	P	S	FSC	173	TO106	12	12	4.5		.200W	125J	800.000G	50NA	10V	55	.100A
EN2905	P	S	FSC	173	TO105	60	40	5.0	.600A	.300W	125J	150.000G	50NA	50V	175	.150A
EN2907	P	S	FSC	173	TO106	60	40	5.0	.600A	.200W	125J	150.000G	50NA	50V	175	.150A
EN3009	N	S	FSC	173	TO106	40	15	4.0		.200W	125J	350.000G	500NA	20V	60	.030A
EN3013	N	S	FSC	173	TO106	40	15	5.0		.200W	125J	350.000G	300NA	20V	60	.030A
EN3014	N	S	FSC	173	TO106	40	20	5.0		.200W	125J	350.000G	300NA	20V	60	.030A
EN3250	P	S	FSC	173	TO106	40	40	5.0	.100A	.200W	125J	250.000G	50NA	40V	88	.010A
EN3502	P	S	FSC	173	TO105	45	45	5.0	.600A	.300W	125J	150.000G	10NA	30V	175	.150A
EN3504	P	S	FSC	173	TO106	45	45	5.0	.600A	.200W	125J	150.000G	10NA	30V	175	.150A
EN3962	P	S	FSC	173	TO106	60	60	6.0	.060A	.200W	125J	40.000G	50NA	50V	260	.050A
EP20	P	S	SEM	210	TO 18	25	15	4.0	.100A	.100W		100.000G			350	
EP25	P	S	SEM	210	TO 18	30	20	4.0	.300A	.300W		300.000G			350	
EP35	P	S	SEM	41	TO 92	30	20	4.0	.300A	.300W		300.000G			350	
ES3110	P	G	EBA	105	105A	30	15		.010A	.054W	65J	.300B	6UA	10V	12	
ES3111	P	G	EBA	105	105A	30	15		.010A	.054W	65J	.400B	6UA	10V	18	
ES3112	P	G	EBA	105	105A	30	15		.010A	.054W	65J	.600B	6UA	10V	28	
ES3113	P	G	EBA	105	105A	30	15		.010A	.054W	65J	.800B	6UA	10V	40	
ES3114	P	G	EBA	105	105A	30	15		.010A	.054W	65J	1.000B	6UA	10V	58	
ES3115	P	G	EBA	105	105A	30	15		.010A	.054W	65J	1.500B	6UA	10V	84	
ES3116	P	G	EBA	105	105A	30	15		.010A	.054W	65J	2.000B	6UA	10V	124	
ES3120	P	G	EBA	210	TO 5	30	15		.010A	.069W	65J	.300B	6UA	10V	12	
ES3121	P	G	EBA	210	TO 5	30	15		.010A	.069W	65J	.400B	6UA	10V	18	
ES3122	P	G	EBA	210	TO 5	30	15		.010A	.069W	65J	.600B	6UA	10V	28	
ES3123	P	G	EBA	210	TO 5	30	15		.010A	.069W	65J	.800B	6UA	10V	40	
ES3124	P	G	EBA	210	TO 5	30	15		.010A	.069W	65J	1.000B	6UA	10V	56	
ES3125	P	G	EBA	210	TO 5	30	15		.010A	.069W	65J	1.500B	6UA	10V	80	
ES3126	P	G	EBA	210	TO 5	30	15		.010A	.069W	65J	2.000B	6UA	10V	120	
ET110	P	G	ETC	210	TO 5	50	18	50.0	.100A	.200W	85J	5.000B	8UA	30V		
ET670	P	G	ETC	210	TO 5	40	40	5.0	1.500A	.250W	85J	.500B	50UA	12V	100	1.000A
FK914	-N	S	FSC	925	925A	40	15	5.0		.175W	200J	300.000G	25NA	20V	55	.010A
FK918	-N	S	FSC	925	925A	30	15	3.0	.050A	.175W	200J	600.000G	10NA	15V	50	.003A
FK2369A	-N	S	FSC	925	925A	40	15	4.5	.100A	.175W	200J	500.000G	30UA	20V	66	.010A

Transistor Type No.	N / P	C / S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{r,B}$	$V_{r,r}$	$V_{r,B}$	Maximum I_r	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{r,B}$ @	$V_{r,B}$	Gain h_{r_r} @	I_r
FK2484	-N	S	FSC	925	925A	60	60	6.0	.050A	.175W	200J	60.000G	10NA	45V	290	
FK2894	-P	S	FSC	925	925A	12	12	4.0		.175W	200J	350.000G	10UA	6V	76	.030A
FK3014	-N	S	FSC	925	925A	40	20	5.0		.175W	200J	300.000G	300NA	20V	60	.030A
FK3299	-N	S	FSC	925	925A	60	30	5.0		.175W	200J	200.000G	10NA	50V	75	.150A
FK3300	-N	S	FSC	925	925A	60	30	5.0		.175W	200J	200.000G	10NA	50V	220	.150A
FK3502	-P	S	FSC	925	925A	45	45	5.0	.500A	.175W	200J	150.000G	10NA	30V	150	.150A
FK3503	-P	S	FSC	925	925A	60	60	5.0	.500A	.175W	200J	150.000G	10NA	50V	150	.150A
FM870	-N	S	FSC	211	TO 46	100	60	7.0		.375W	200A	50.000G	10NA	75V	80	
FM871	-N	S	FSC	211	TO 46	100	60	7.0		.375W	200A	60.000G	10NA	75V	160	
FT19H			SEE 2N3963													
FT19M			SEE 2N3963													
FT34A	-N	S	FSC	561	TO 59	150	80	6.0		15.000W	200J	800.000G	10UA	75V	85	2.000A
FT34B	-N	S	FSC	561	TO 59	120	60	6.0		15.000W	200J	800.000G	10UA	60V	210	2.000A
FT34C	-N	S	FSC	211	TO 5	150	80	6.0		.800W	200J	800.000G	10UA	75V	85	2.000A
FT34D	-N	S	FSC	211	TO 5	120	60	6.0		.800W	200J	800.000G	10UA	60V	210	2.000A
FT40			SEE 2N4251													
FT45			SEE 2N4134													
FT207A			SEE 2N4115													
FT207B			SEE 2N4116													
FT400A	-P	S	FSC	560	TO 59	80	80	5.0		30.000W	200J	120.000G	50UA	40V	180	2.000A
FT400B	-P	S	FSC	560	TO 59	80	80	5.0		30.000W	200J	80.000G	50UA	40V	70	2.000A
FT709	-N	S	FSC	211	TO 18	15	6	4.0		.300W	200A	600.000G	50NA	5V	70	
FT1341	-N	S	FSC	211	TO 18	25	10	5.0		.360W	200J	300.000G	100NA	30V	60	
FT1702			SEE 2N4208													
FT1746	P	S	FSC	211	TO 18	35	30	4.0		.360W	200J	100.000G	5NA	15V	40	
FT7202A	-N	S	FSC	560	TO 59	120	80	8.0		30.000W	200J	70.000G	50UA	40V	70	2.000A
FT7202B	-N	S	FSC	560	TO 59	100	60	8.0		30.000W	200J	70.000G	50UA	30V	70	2.000A
FV914	-N	S	FSC	911	TO 51	40		5.0	.050A	.175W	200J	300.000G	25NA	20V	55	.010A
FV918	-N	S	FSC	911	TO 51	30		3.0	.100A	.175W	200J	600.000G	10NA	15V	50	.003A
FV2369A	-N	S	FSC	911	TO 51	40		4.5	.050A	.175W	200J	500.000G	30UA	20V	66	.010A
FV2484	-N	S	FSC	911	TO 51	60		6.0		.175W	200J	60.000G	10NA	45V	290	
FV2894	-P	S	FSC	911	TO 51	12		4.0		.175W	200J	350.000G	10UA	6V	76	.030A
FV3014	-N	S	FSC	911	TO 51	40		5.0		.175W	200J	300.000G	300NA	20V	60	.030A
FV3299	-N	S	FSC	911	TO 51	60		5.0		.175W	200J	200.000G	10NA	50V	75	.150A
FV3300	-N	S	FSC	911	TO 51	60		5.0		.175W	200J	200.000G	10NA	50V	220	.150A
FV3502	-P	S	FSC	911	TO 51	45		5.0	.500A	.175W	200J	150.000G	10NA	30V	150	.150A
FV3503	-P	S	FSC	911	TO 51	60		5.0	.500A	.175W	200J	150.000G	10NA	50V	150	.150A
FX709	N	S	FSC	926	TO120	15	6	4.0		.210W	175J	600.000G	50NA	5V	70	.010A
FX914	N	S	FSC	926	TO120	40	15	5.0		.270W	175J	300.000G	25NA	20V	55	.010A
FX918	N	S	FSC	926	TO120	30	15	3.0	.050A	.240W	175J	600.000G	10NA	15V	50	.003A
FX2368	N	S	FSC	926	TO120	40	15	4.5	.100A	.240W	175J	400.000G	400NA	20V	50	.010A
FX2369A	N	S	FSC	926	TO120	40	15	4.5	.100A	.240W	175J	500.000G	400NA	20V	66	.010A
FX2483	N	S	FSC	926	TO120	60	60	6.0	.050A	.270W	175J	60.000G	10NA	45V	230	.001A
FX2484	N	S	FSC	926	TO120	60	60	6.0	.050A	.270W	175J	60.000G	10NA	45V	450	.001A
FX3013	N	S	FSC	926	TO120	40	15	5.0		.260W	175J	300.000G	300NA	20V	60	.030A
FX3014	N	S	FSC	926	TO120	40	20	5.0		.260W	175J	350.000G	300NA	20V	60	.030A
FX3299	N	S	FSC	926	TO120	60	30	5.0		.270W	175J	200.000G	10NA	50V	75	.150A
FX3300	N	S	FSC	926	TO120	60	30	5.0		.270W	175J	250.000G	10NA	50V	220	.150A
FX3502	P	S	FSC	926	TO120	45	45	5.0	.500A	.270W	175J	150.000G	10NA	30V	150	.150A
FX3503	P	S	FSC	926	TO120	60	60	5.0	.500A	.270W	175J	250.000G	10NA	50V	150	.150A
FX3724	N	S	FSC	926	TO120	50	30	6.0	1.000A	.306W	175J	240.000G	2UA	40V	90	.100A
FX3725	N	S	FSC	926	TO120	80	50	6.0	1.000A	.306W	175J	240.000G	2UA	60V	90	.100A
FX3962	P	S	FSC	926	TO120	60	60	6.0		.270W	175J	40.000G	10NA	50V	260	.001A
FX3963	P	S	FSC	926	TO120	80	80	6.0		.270W	175J	40.000G	10NA	70V	330	.001A
FX3964	P	S	FSC	926	TO120	45	45	6.0		.270W	175J	40.000G	10NA	40V	260	.001A
FX3965	P	S	FSC	926	TO120	60	60	6.0		.270W	175J	40.000G	10NA	50V	330	.001A
FX4034	P	S	FSC	926	TO120	40	40	5.0	.100A	.240W	175J	400.000G	15NA	30V	150	.010A
FX4046	N	S	FSC	926	TO120	50	30	6.0	.500A	.306W	175J	240.000G	2UA	40V	90	.100A
FX4047	N	S	FSC	926	TO120	80	50	6.0	.500A	.306W	175J	240.000G	2UA	60V	90	.100A
FX4207	P	S	FSC	926	TO120	6	6	4.5	.050A	.240W	175J	650.000G	10NA	30V	100	.010A
FX4960	N	S	FSC	926	TO120	60	60	6.5		.306W	175J	200.000G	10NA	50V	180	.150A
GE-1	P	G	GEC	210	TO 5		12		.100A	.150W		RF AMP				
GE-2	P	G	GEC	210	TO 5		20		.200A	.200W		AUD				
GE-3	P	G	GEC	605	TO 3		50		3.000A	25.000W		AUD				
GE-4	P	G	GEC	405	TO 36		50		12.000A	50.000W		AUD				
GE-5	N	G	GEC	210	TO 5		12		.100A	.150W		RF AMP				
GE-6	N	G	GEC	10	10H		15		.020A	.065W		RF AMP				
GE-7	N	G	GEC	10	10H		15		.020A	.065W		IF AMP				
GE-8	N	G	GEC	210	TO 5		20		.200A	.150W		AUD				
GE-9	P	G	GEC	217	217F		12		.006A	.080W		FM IF				
GE-10	N	S	GEC	45	TO 98		25		.100A	.200W		RF AMP				
GE-11	N	S	GEC	45	TO 98		30		.025A	.200W		UHF AMP				
GE-12	N	S	GEC	605	TO 66		300		.300A	10.000W		AUD				
GE-13MP			M.P. GE-3													
GE-14	N	S	GEC	605	TO 3		100		15.000A	115.000W		AUD				
GE-15MP			M.P. GE-14													
GE-16	P	G	GEC	605	TO 3		60		10.000A	90.000W		AUD				
GE-17	N	S	GEC	170	170F		30		.100A	.500W		UHF AMP				
GE-18	N	S	GEC	210	TO 5		80		.500A	.800W		AUD				
GE-19	N	S	GEC	605	TO 3		50		4.000A	90.000W		AUD				
GE-20	N	S	GEC	210	TO 18		25		.500A	.500W		50.000G				
GE-21	P	S	GEC	210	TO 5		25		.500A	.500W		50.000G				
GE-22	P	S	GEC	170	170F		25		.500A	.500W		100.000G				
GE-23	N	S	GEC	605	TO 66		40		2.000A	15.000W		AUD				
GE-24MP			M.P. GE-23													
GE-25	P	G	GEC	605	TO 3		325		10.000A	50.000W		HOR AMP				
GE-26	P	S	GEC	605	TO 66	60	50		2.000A	20.000W		10.000G			100	
GET706	N	S	GEC	168	168B	40	15	5.0	.200A	.360W	125J	200.000G	50NA	20V	30	.010A
GET708	N	S	GEC	168	168B	40	15	5.0	.200A	.360W	125J	300.000G	50NA	20V	60	.010A
GET914	N	S	GEC	168	168B	40	15	5.0	.200A	.360W	125J	300.000G	50NA	20V	60	.010A
GET929	N	S	GEC	168	168B	70	50	5.0	.100A	.360W	125J	90.000G	10NA	50V	90	.001A
GET930	N	S	GEC	168	168B	70	50	5.0	.100A	.360W	125J	90.000G	10NA	50V	175	.001A
GET2221	N	S	GEC	168	168B	60	30	5.0	.400A	.360W	125J	250.000G	10NA	50V	70	.150A
GET2222	N	S	GEC	168	168B	60	30	5.0	.400A	.360W	125J	250.000G	10NA	50V	175	.150A
GET2369	N	S	GEC	168	168B	40	15	5.0	.200A	.360W	125J	350.000G	100NA	20V	70	.010A
GET3013	N	S	GEC	168	168B	40	15	5.0	.200A	.360W	125J	350.000G	100NA	20V	60	.030A
GET3014	N	S	GEC	168	168B	40	15	5.0	.200A	.360W	125J	350.000G	100NA	20V	60	.030A
GET3638	P	S	GEC	168	168B	25	25	4.0	.350A	.360W	125J	100.000G	35NA	15V	40	.300A
GET3638A	P	S	GEC	168	168B	25	25	4.0	.350A	.360W	125J	100.000G	35NA	15V	50	.300A
GET3646	N	S	GEC	168	168B	40	15	5.0	.200A	.360W	125J	350.000G	100NA	20V	60	.030A
GI-2711	N	S	GIC	173	TO106	18	18	5.0	.100A	.200W	125J	200.000G	500UA	18V	52	.002A
GI-2712	N	S	GIC	173	TO106	18	18	5.0	.100A	.200W	125J	300.000G	500UA	18V	106	.002A
GI-2713	N	S	GIC	173	TO106	18	18	5.0	.200A	.200W	125J	150.000G	500UA	18V	52	.002A
GI-2714	N	S	GIC	173	TO106	18	18	5.0	.200A	.200W	125J	200.000G	500UA	18V	131	.002A
GI-2715	N	S	GIC	173	TO106	18	18	5.0	.025A	.200W	125J	100.000G	500UA	18V	52	.002A
GI-2716	N	S	GIC	173	TO106	18	18	5.0	.025A	.200W	125J	150.000G	500UA	18V	131	.002A
GI-2921	N	S	GIC	173	TO106	25	25	5.0		.200W	125J				53	.002A
GI-2922	N	S	GIC	173	TO106	25	25	5.0		.200W	125J				83	.002A
GI-2923	N	S	GIC	173	TO106	25	25	5.0		.200W	125J				135	.002A

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T_j(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
GI-2924	N	S	GIC	173	TO106	25	25	5.0		.200W	125J				225	.002A
GI-2925	N	S	GIC	173	TO106	25	25	5.0		.200W	125J				353	.002A
GI-2926	N	S	GIC	173	TO106	18	18	5.0		.200W	125J				153	.002A
GI-3391	N	S	GIC	173	TO106	25	25	5.0		.200W	125J				375	.002A
GI-3391A	N	S	GIC	173	TO106	25	25	5.0		.200W	125J				375	.002A
GI-3392	N	S	GIC	173	TO106	25	25	5.0	.100A	.200W	125J		100NA	25V	225	.002A
GI-3393	N	S	GIC	173	TO106	25	25	5.0	.100A	.200W	125J		100NA	25V	135	.002A
GI-3394	N	S	GIC	173	TO106	25	25	5.0	.100A	.200W	125J		100NA	25V	83	.002A
GI-3395	N	S	GIC	173	TO106	25	25	5.0	.100A	.200W	125J		100NA	25V	275	.002A
GI-3396	N	S	GIC	173	TO106	25	25	5.0	.100A	.200W	125J		100NA	25V	215	.002A
GI-3397	N	S	GIC	173	TO106	25	25	5.0	.100A	.200W	125J		100NA	25V	180	.002A
GI-3398	N	S	GIC	173	TO106	25	25	5.0	.100A	.200W	125J		100NA	25V	255	.002A
GI-3402	N	S	GIC	173	TO106	25	25	5.0	.500A	.200W	125J		100NA	25V	131	.002A
GI-3403	N	S	GIC	173	TO106	25	25	5.0	.500A	.200W	125J		100NA	25V	315	.002A
GI-3404	N	S	GIC	173	TO106	50	50	5.0	.500A	.200W	125J		100NA	50V	131	.002A
GI-3405	N	S	GIC	173	TO106	50	50	5.0	.500A	.200W	125J		100NA	50V	315	.002A
GI-3414	N	S	GIC	173	TO106	25	25	5.0	.500A	.300W	125J	AUO	100NA	25V	131	.002A
GI-3415	N	S	GIC	173	TO106	25	25	5.0	.500A	.300W	125J	AUO	100NA	25V	315	.002A
GI-3416	N	S	GIC	173	TO106	50	50	5.0	.500A	.360W	125J	AUO	100NA	25V	131	.002A
GI-3417	N	S	GIC	173	TO106	50	50	5.0	.500A	.360W	125J	AUO	100NA	25V	315	.002A
GI-3566	N	S	GIC	173	TO106	50	50	5.0	.200A	.300W	125J	40.000G	50NA	20V	300	.010A
GI-3605	N	S	GIC	173	TO106	18	14	5.0		.200W	125J	300.000G	500NA	18V	45	.010A
GI-3606	N	S	GIC	173	TO106	18	14	5.0		.200W	125J	300.000G	500NA	18V	45	.010A
GI-3607	N	S	GIC	173	TO106	18	14	5.0		.200W	125J	300.000G	500NA	18V	45	.010A
GI-3638	P	S	GIC	173	TO106	25	25	4.0		.300W	125J	100.000G	35NA	15V	45	.050A
GI-3638A	P	S	GIC	173	TO106	25	25	4.0		.300W	125J	150.000G	35NA	15V	150	.050A
GI-3641	N	S	GIC	173	TO106	60	30	5.0	.500A	.350W	125J	250.000G	50NA	50V	70	.150A
GI-3642	N	S	GIC	173	TO106	60	45	5.0	.500A	.300W	125J	250.000G	50NA	50V	70	.150A
GI-3643	N	S	GIC	173	TO106	60	30	5.0	.500A	.350W	125J	250.000G	50NA	50V	175	.150A
GI-3644	P	S	GIC	173	TO106	45	45	5.0	.500A	.300W	125J	200.000G	35NA	30V	175	.150A
GI-3702	P	S	GIC	173	TO106	40	25	5.0	.200A	.300W	125J	100.000G	100NA	20V	135	.050A
GI-3703	P	S	GIC	173	TO106	50	30	5.0	.200A	.300W	125J	100.000G	100NA	20V	68	.050A
GI-3704	N	S	GIC	173	TO106	50	30	5.0	.800A	.360W	125J	100.000G	100NA	20V	175	.050A
GI-3705	N	S	GIC	173	TO106	50	30	5.0	.800A	.360W	125J	100.000G	100NA	20V	88	.050A
GI-3706	N	S	GIC	173	TO106	40	20	5.0	.800A	.360W	125J	100.000G	100NA	20V	180	.050A
GI-3707	N	S	GIC	173	TO106	30	30	6.0	.030A	.250W	125J	AUO	100NA	20V	200	.001A
GI-3708	N	S	GIC	173	TO106	30	30	6.0	.030A	.250W	125J	AUO	100NA	20V	210	.001A
GI-3709	N	S	GIC	173	TO106	30	30	6.0	.030A	.250W	125J	AUO	100NA	20V	86	.001A
GI-3710	N	S	GIC	173	TO106	30	30	6.0	.030A	.250W	125J	AUO	100NA	20V	172	.001A
GI-3711	N	S	GIC	173	TO106	30	30	6.0	.030A	.250W	125J	AUO	100NA	20V	330	.001A
GI-3721	N	S	GIC	173	TO106	18	18	5.0	.100A	.200W	125J	AUO	500NA	18V	225	.002A
GI-3793	N	S	GIC	173	TO106	40	20	5.0	.500A	.250W	125J	100.000G	500NA	15V	50	.010A
GI-3794	N	S	GIC	173	TO106	40	20	5.0	.500A	.250W	125J	100.000G	500NA	15V	250	.010A
GI-3900	N	S	GIC	173	TO106	18	18	5.0	.100A	.200W	125J	AUO	100NA	18V	375	.002A
GI-3900A	N	S	GIC	173	TO106	18	18	5.0	.100A	.200W	125J	AUO	100NA	18V	375	.002A
GT34HV			SEE 2N1408													
GT40	-P	G	AEI	55	55C	15	15	12.0	.250A	.100W	75J	2.000B	15UA	15V	30	
GT41	-P	G	AEI	55	55C	15	15R	12.0	.250A	.100W	75J	3.000B	15UA	15V	30	
GT42	-P	G	AEI	55	55C	15	15R	12.0	.250A	.100W	75J	5.000B	15UA	15V	60	
GT43	-P	G	AEI	55	55C	15	15R	12.0	.250A	.100W	75J	7.000B	15UA	15V	100	
GT44	-P	G	AEI	55	55C	25	25	12.0	.250A	.100W	75J	2.000B	15UA	25V	30	
GT45	-P	G	AEI	55	55C	25	25R	12.0	.250A	.100W	75J	3.000B	15UA	25V	30	
GT46	-P	G	AEI	55	55C	25	25R	12.0	.250A	.100W	75J	5.000B	15UA	25V	60	
GT47	-P	G	AEI	55	55C	25	25R	12.0	.250A	.100W	75J	7.000B	15UA	25V	100	
GT81	-P	G	GTC	170	TO 9	25	25R	10.0		.150W	100J	AUO	10UA	10V	70	
GT1200			SEE 2N1310													
GT1658			SEE 2N1605													
H5			SEE 2N538A													
H6			SEE 2N539A													
H7			SEE 2N540A													
H12			SEE 2N1157													
H12A			SEE 2N1157A													
HA7520	P	S	HUG	903	903A	35	35	35.0		1.000W			100NA	35V	10	.001A
HA7521	P	S	HUG	903	903A	60	60	60.0		1.000W			100NA	60V	10	.001A
HA7522	P	S	HUG	903	903A	15	15	15.0		1.000W			100NA	15V	22	.001A
HA7523	P	S	HUG	903	903A	35	35	35.0		1.000W			100NA	35V	22	.001A
HA7524	P	S	HUG	903	903A	60	60	60.0		1.000W			100NA	60V	22	.001A
HA7525	P	S	HUG	903	903A	110	110	110.0		1.000W			100NA	110V	22	.001A
HA7526	P	S	HUG	903	903A	15	15	15.0		1.000W			100NA	15V	44	.001A
HA7527	P	S	HUG	903	903A	35	35	35.0		1.000W			100NA	35V	44	.001A
HA7528	P	S	HUG	903	903A	60	60	60.0		1.000W			100NA	60V	44	.001A
HA7529	P	S	HUG	903	903A	90	90	90.0		1.000W			100NA	90V	22	.001A
HA7530	P	S	HUG	210	TO 5	35	35	35.0		.400W			100NA	35V	10	.001A
HA7531	P	S	HUG	210	TO 5	60	60	60.0		.400W			100NA	60V	10	.001A
HA7532	P	S	HUG	210	TO 5	15	15	15.0		.400W			100NA	15V	220	.001A
HA7533	P	S	HUG	210	TO 5	35	35	35.0		.400W			100NA	35V	22	.001A
HA7534	P	S	HUG	210	TO 5	60	60	60.0		.400W			100NA	60V	22	.001A
HA7535	P	S	HUG	210	TO 5	110	110	110.0		.400W			100NA	110V	22	.001A
HA7536	P	S	HUG	210	TO 5	15	15	15.0		.400W			100NA	15V	44	.001A
HA7537	P	S	HUG	210	TO 5	35	35	35.0		.400W			100NA	35V	44	.001A
HA7538	P	S	HUG	210	TO 5	60	60	60.0		.400W			100NA	60V	44	.001A
HA7539	P	S	HUG	210	TO 5	90	90	90.0		.400W			100NA	90V	22	.001A
HA7597	P	S	HUG	903	903A	40	20	20.0		.400W			100NA	50V	14	.001A
HA7598	P	S	HUG	903	903A	35	20	20.0		.400W			100NA	50V	29	.001A
HA7599	P	S	HUG	903	903A	30	20	20.0		.400W			100NA	50V	58	.001A
HEP1	P	G	MOT	210	TO 18	12	12S	2.0	.100A	.150W	100J	100.000G			50	
HEP2	P	G	MOT	210	TO 5	22	22S	.6	.100A	.300W	100J	1000.000G			75	
HEP3	P	G	MOT	217	TO 72	20	20S	.5	.050A	.100W	100J	250.000G			85	
HEP50	N	S	MOT	210	TO 18	25	15	4.0	.300A	.400W	175J	250.000G			85	
HEP51	P	S	MOT	210	TO 5	30	25	4.0	.600A	.600W	175J	150.000G			80	
HEP52	P	S	MOT	210	TO 18	30	30	4.0	.200A	.400W	175J	200.000G			95	
HEP53	N	S	MOT	210	TO 5	35	30	4.0	.600A	.600W	175J	200.000G			85	
HEP54	N	S	MOT	41	TO 92	30	20	5.0	.200A	.310W	135J	300.000G			350	
HEP55	N	S	MOT	41	TO 92	30	25	5.0	.200A	.310W	135J	200.000G			350	
HEP56	N	S	MOT	42	TO 92	30	20	2.5	.100A	.310W	135J	750.000G			70	
HEP57	P	S	MOT	41	TO 92	25	25	5.0	.200A	.310W	135J	200.000G			350	
HEP75	N	S	MOT	210	TO 39	40	20	3.5	.400A	3.000W	175J	250.000G			15	
HEP76	P	S	MOT	210	TO 39	40	20	3.5	.400A	3.000W	175J	250.000G			15	
HEP200	P	G	MOT	605	TO 3	30	30R	10.0	3.000A	90.000W	110J	.600G			40	
HEP230	P	G	MOT	605	TO 3	30	30R	10.0	5.000A	90.000W	110J	.600G			40	
HEP231	P	G	MOT	405	TO 36	30	30R	10.0	15.000A	150.000W	110J	.500G			40	
HEP232	P	G	MOT	605	TO 3	70	70S	10.0	7.000A	90.000W	110J	.600G			60	
HEP233	P	G	MOT	405	TO 36	65	65S	60.0	15.000A	170.000W	110J	.500G			55	
HEP234	P	G	MOT	605	TO 3	200	200S	2.0	5.000A	56.000W	110J	1.000G			60	
HEP235	P	G	MOT	605	TO 3	320	320S	2.0	10.000A	56.000W	110J	1.000G			60	
HEP236	P	G	MOT	607	TO 41	110	80	2.0	25.000A	106.000W	110J	.210G			60	
HEP240	N	S	MOT	605	TO 66	300	300	6.0	.500A	10.000W	150J	10.000G			115	
HEP241	N	S	MOT	605	TO 66	160	120	6.0	5.000A	40.000W	150J	20.000G			60	
HEP242	P	S	MOT	211	TO 5	60	40	7.0	3.000A	6.000W	200J	8.000G			60	

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @ V_{cb}		Gain h_{fe} @ I_c	
HEP243	N	S	MOT	211	TO 5	60	40	6.0	3.000A	6.000W	200J	8.000G			60	
HEP244	N	S	MOT	48	48A	300	300	3.0	.500A	25.000W	150J	15.000G			30	
HEP245	N	S	MOT	48	48A	60	40	5.0	3.000A	30.000W	150J	8.000G			60	
HEP246	P	S	MOT	48	48A	60	40	5.0	3.000A	30.000W	150J	8.000G			60	
HEP247	N	S	MOT	605	TO 3	70	50	7.0	10.000A	150.000W	200J	6.000G			50	
HEP248	P	S	MOT	605	TO 3	70	50	7.0	10.000A	150.000W	200J	6.000G			50	
HEP250	P	G	MOT	210	TO 5	20	20S	2.5	.200A	.200W	85J	1.500G			55	
HEP251	P	G	MOT	210	TO 5	20	20S	2.0	.200A	.200W	85J	2.500G			150	
HEP252	P	G	MOT	210	TO 5	20	20S	2.0	.200A	.200W	85J	1.500G	200UA		65	
HEP253	P	G	MOT	212	TO 5	20	20S	2.5	.400A	.225W	100J	2.000G			40	
HEP254	P	G	MOT	212	TO 5	20	20S	2.5	.400A	.225W	100J	2.000G			70	
HEP623	P	G	MOT	605	TO 3	60	35S	20.0	7.000A	77.000W	110J	.600G			70	
HEP624	P	G	MOT	605	TO 3	60	35S	20.0	7.000A	77.000W	110J	.600G			120	
HEP625	P	G	MOT	605	TO 3	100	75S	50.0	10.000A	90.000W	110J	.005G			40	
HEP626	P	G	MOT	605	TO 3	80	50S	2.0	20.000A	85.000W	110J	1.000G			60	
HEP627	P	G	MOT	605	TO 3	80	80S	5.0	10.000A	85.000W	110J	.700G			40	
HEP628	P	G	MOT	605	TO 3	60	35S	20.0	7.000A	77.000W	110J	.600G			45	
HEP629	P	G	MOT	210	TO 5	50	40S	30.0	.400A	.200W	100J	1.000G			110	
HEP630	P	G	MOT	210	TO 5	55	40S	30.0	.400A	.200W	100J	1.000G			50	
HEP631	P	G	MOT	210	TO 5	40	25S	25.0	.200A	.200W	100J	1.500G			45	
HEP632	P	G	MOT	210	TO 5	40	25S	25.0	.200A	.200W	100J	2.000G			80	
HEP633	P	G	MOT	210	TO 5	40	25S	25.0	.200A	.200W	100J	2.500G			160	
HEP634	P	G	MOT	210	TO 5	40	25S	25.0	.200A	.200W	100J	3.000G			350	
HEP635	P	G	MOT	210	TO 5	30	25S	2.5	.100A	.150W	100J	100.000G			85	
HEP636	P	G	MOT	210	TO 18	35	35S	3.0	.100A	.150W	100J	600.000G			120	
HEP637	P	G	MOT	217	TO 72	20	15S	.3	.010A	.150W	100J	800.000G			120	
HEP638	P	G	MOT	210	TO 5	30	20S	.5	.050A	.060W	100J	100.000G			60	
HEP639	P	G	MOT	120	TO 1	18	18S	.5	.005A	.055W	100J				70	
HEP640	P	G	MOT	120	TO 1	18	18S	.5	.005A	.055W	100J				130	
HEP641	N	G	MOT	210	TO 5	25	15S	10.0	.300A	.150W	85J	150.000G			70	
HEP700	P	S	MOT	48	48A	40	40	5.0	5.000A	40.000W	150J	8.000G			70	
HEP701	N	S	MOT	48	48A	40	40	5.0	3.000A	40.000W	150J	8.000G			100	
HEP702	P	S	MOT	605	TO 66	80	80	5.0	3.000A	25.000W	150J	8.000G			80	
HEP703	N	S	MOT	605	TO 66	70	60	5.0	5.000A	25.000W	150J	6.000G			85	
HEP704	N	S	MOT	605	TO 3	100	60	7.0	15.000A	115.000W	200J	1.000G			90	
HEP705	P	S	MOT	605	TO 3	40	40	5.0	5.000A	87.500W	200J	4.000G			250	
HEP706	N	S	MOT	211	TO 5	350	325	6.0	.100A	4.000W	175J	10.000G			25	
HEP707	N	S	MOT	605	TO 3	400	325	5.0	10.000A	115.000W	300J	2.500G			65	
HEP708	P	S	MOT	210	TO 18	60	60	5.0	.600A	1.800W	175J	275.000G			85	
HEP709	N	S	MOT	217	TO 72	30	15	3.0	.050A	.300W	175J	600.000G			120	
HEP710	P	S	MOT	211	TO 5	95	80	4.5	.100A	3.000W	200J	200.000G			25	
HEP712	N	S	MOT	211	TO 5	180	200	5.0	.050A	1.000W	175J	150.000G			35	
HEP713	N	S	MOT	211	TO 5	100	100	5.0	.200A	1.000W	175J	150.000G			35	
HEP714	N	S	MOT	49	49A	150	150	5.0	1.000A	1.000W	175J	100.000G			120	
HEP715	P	S	MOT	41	TO 92	50	40	4.0	.200A	.310W	135J	200.000G			120	
HEP716	P	S	MOT	41	TO 92	40	40	5.0	.600A	.310W	135J	300.000G			110	
HEP717	P	S	MOT	41	TO 92	25	25	4.0	.100A	.310W	135J	120.000G			350	
HEP718	N	S	MOT	41	TO 92	30	20	4.0	.100A	.310W	135J	600.000G			80	
HEP719	N	S	MOT	41	TO 92	30	30	4.0	.100A	.310W	135J	700.000G			130	
HEP720	N	S	MOT	41	TO 92	30	20	3.0	.100A	.310W	135J	800.000G			40	
HEP721	N	S	MOT	41	TO 92	30	30	5.0	.500A	.310W	135J	260.000G			350	
HEP722	N	S	MOT	41	TO 92	25	25	4.0	.100A	.310W	135J	200.000G			60	
HEP723	N	S	MOT	41	TO 92	25	25	4.0	.100A	.310W	135J	200.000G			90	
HEP724	N	S	MOT	41	TO 92	25	25	4.0	.100A	.310W	135J	200.000G			160	
HEP725	N	S	MOT	41	TO 92	25	25	4.0	.100A	.310W	135J	200.000G			250	
HEP726	N	S	MOT	41	TO 92	25	25	4.0	.100A	.310W	135J	200.000G			350	
HEP727	N	S	MOT	41	TO 92	25	20	4.0	.100A	.310W	135J	200.000G			50	
HEP728	N	S	MOT	41	TO 92	45	40	4.0	.100A	.310W	135J	200.000G			180	
HEP729	N	S	MOT	41	TO 92	45	45	4.0	.100A	.310W	135J	200.000G			100	
HEP730	N	S	MOT	41	TO 92	30	25	4.5	.050A	.310W	135J	175.000G			600	
HEP731	N	S	MOT	41	TO 92	20	20	4.0	.025A	.310W	135J	30.000G			130	
HEP732	N	S	MOT	41	TO 92	20	20	4.0	.025A	.310W	135J	200.000G			45	
HEP733	N	S	MOT	41	TO 92	30	20	4.0	.100A	.310W	135J	100.000G			95	
HEP734	N	S	MOT	41	TO 92	40	20	4.0	.025A	.310W	135J	200.000G			75	
HEP735	N	S	MOT	41	TO 92	45	40	6.0	.600A	.310W	135J	150.000G			300	
HEP736	N	S	MOT	41	TO 92	55	50	6.0	.600A	.310W	135J	150.000G			140	
HEP737	N	S	MOT	41	TO 92	30	25	6.0	.100A	.310W	135J	100.000G			600	
HEP738	N	S	MOT	41	TO 92	45	40	7.0	.100A	.310W	135J	100.000G			250	
HEP739	P	S	MOT	41	TO 92	40	35	25.0	.150A	.310W	135J	4.000G			250	
HF3H	P	G	SEM	210	TO 5	15	10	5.0	.200A	.100W		3.000G			80	
HF3M	P	G	SEM	210	TO 5	15	10	5.0	.200A	.100W		3.000G			40	
HF6H	P	G	SEM	210	TO 5	15	15	10.0	.200A	.100W		6.000G			100	
HF6M	P	G	SEM	210	TO 5	15	15	10.0	.200A	.100W		6.000G			50	
HF12H	P	G	SEM	210	TO 5	18	15	10.0	.200A	.100W		12.000G			100	
HF12M	P	G	SEM	210	TO 5	18	15	10.0	.200A	.100W		12.000G			50	
HF20H	P	G	SEM	210	TO 5	20	20	10.0	.200A	.250W		20.000G			150	
HF20M	P	G	SEM	210	TO 5	20	20	10.0	.200A	.250W		20.000G			80	
HF35	P	G	SEM	120	TO 58	20	20	2.0	.100A	.150W		100.000G			50	
HF50	P	G	SEM	120	TO 58	25	20	2.0	.100A	.150W		100.000G			80	
HF75	P	G	SEM	120	TO 58	25	20	2.0	.100A	.150W		100.000G			150	
HJ220			SEE 2SA12													
HJ230			SEE 2SA15													
HJ56			SEE 2SA13													
HJ57			SEE 2SA16													
HJ60			SEE 2SA17													
HJ70			SEE 2SA80													
HJ71			SEE 2SA81													
HJ72			SEE 2SA82													
HJ73			SEE 2SA83													
HJ74			SEE 2SA84													
HJ75			SEE 2SA85													
HN100	N	S	SEM	605	TO 3	100	50	5.0	5.000A	150.000W		1.000G			20	
HN150	N	S	SEM	605	TO 3	150	120	7.0	15.000A	150.000W		1.000G			20	
H0300	P	G	SEM	605	TO 3	300	250	2.0	10.000A	100.000W		5.000G			20	
HST1050	N	S	HUG	605	TO 3	250	200	8.0		80.000W			5UA	100V	23	1.000A
HST1051	N	S	HUG	605	TO 3	400	325	8.0		80.000W			5UA	100V	23	1.000A
HST1052	N	S	HUG	605	TO 3	500	400	8.0		80.000W			5UA	100V	23	1.000A
HST1053	N	S	HUG	605	TO 3	600	400	8.0		80.000W			5UA	100V	23	1.000A
HST1054	N	S	HUG	605	TO 3	700	400	8.0		80.000W			5UA	100V	23	1.000A
HST1055	N	S	HUG	605	TO 3	250	200	8.0		80.000W			1UA	150V	22	1.000A
HST1056	N	S	HUG	605	TO 3	400	325	8.0		80.000W			1UA	150V	22	1.000A
HST1057	N	S	HUG	605	TO 3	500	400	8.0		80.000W			1UA	150V	22	1.000A
HST1058	N	S	HUG	605	TO 3	600	400	8.0		80.000W			1UA	150V	22	1.000A
HST1059	N	S	HUG	605	TO 3	700	400	8.0		80.000W			1UA	150V	22	1.000A
HST1060	N	S	HUG	605	TO 3	250	200	8.0		80.000W			1UA	150V	15	1.000A
HST1061	N	S	HUG	605	TO 3	400	325	8.0		80.000W			1UA	150V	15	1.000A
HST1062	N	S	HUG	605	TO 3	500	400	8.0		80.000W			1UA	150V	15	1.000A
HST1063	N	S	HUG	605	TO 3	600	400	8.0		80.000W			1UA	150V	15	1.000A
HST1064	N	S	HUG	605	TO 3	700	400	8.0		80.000W			1UA	150V	15	1.000A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{c,b}$	$V_{c,e}$	$V_{e,b}$	Maximum I_c Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{c,b}$, @ $V_{c,b}$	Gain h_{FE} @ I_c
HST1150	N	S	HUG	605	TO 66	250	200	8.0	40.000W			1UA 150V	15 1.000A
HST1151	N	S	HUG	605	TO 66	400	325	8.0	40.000W			1UA 150V	15 1.000A
HST1152	N	S	HUG	605	TO 66	500	400	8.0	40.000W			1UA 150V	15 1.000A
HST1153	N	S	HUG	605	TO 66	600	400	8.0	40.000W			1UA 150V	15 1.000A
HST1154	N	S	HUG	605	TO 66	700	400	8.0	40.000W			1UA 150V	15 1.000A
HST1155	N	S	HUG	605	TO 66	250	200	8.0	40.000W			1UA 150V	22 1.000A
HST1156	N	S	HUG	605	TO 66	400	325	8.0	40.000W			1UA 150V	22 1.000A
HST1157	N	S	HUG	605	TO 66	500	400	8.0	40.000W			1UA 150V	22 1.000A
HST1158	N	S	HUG	605	TO 66	600	400	8.0	40.000W			1UA 150V	22 1.000A
HST1159	N	S	HUG	605	TO 66	700	400	8.0	40.000W			1UA 150V	22 1.000A
HST1160	N	S	HUG	605	TO 66	250	200	8.0	40.000W			5UA 100V	23 1.000A
HST1161	N	S	HUG	605	TO 66	400	325	8.0	40.000W			5UA 100V	23 1.000A
HST1162	N	S	HUG	605	TO 66	500	400	8.0	40.000W			5UA 100V	23 1.000A
HST1163	N	S	HUG	605	TO 66	600	400	8.0	40.000W			5UA 100V	23 1.000A
HST1164	N	S	HUG	605	TO 66	700	400	8.0	40.000W			5UA 100V	23 1.000A
HST1250	N	S	HUG	561	TO 61	250	200	8.0	80.000W			5UA 100V	23 1.000A
HST1251	N	S	HUG	561	TO 61	400	325	8.0	80.000W			5UA 100V	23 1.000A
HST1252	N	S	HUG	561	TO 61	500	400	8.0	80.000W			5UA 100V	23 1.000A
HST1253	N	S	HUG	561	TO 61	600	400	8.0	80.000W			5UA 100V	23 1.000A
HST1254	N	S	HUG	561	TO 61	700	400	8.0	80.000W			5UA 100V	23 1.000A
HST1255	N	S	HUG	561	TO 61	250	200	8.0	80.000W			1UA 150V	22 1.000A
HST1256	N	S	HUG	561	TO 61	400	325	8.0	80.000W			1UA 150V	22 1.000A
HST1257	N	S	HUG	561	TO 61	500	400	8.0	80.000W			1UA 150V	22 1.000A
HST1258	N	S	HUG	561	TO 61	600	400	8.0	80.000W			1UA 150V	22 1.000A
HST1259	N	S	HUG	561	TO 61	700	400	8.0	80.000W			1UA 150V	22 1.000A
HST1260	N	S	HUG	561	TO 61	250	200	8.0	80.000W			1UA 150V	15 1.000A
HST1261	N	S	HUG	561	TO 61	400	325	8.0	80.000W			1UA 150V	15 1.000A
HST1262	N	S	HUG	561	TO 61	500	400	8.0	80.000W			1UA 150V	15 1.000A
HST1263	N	S	HUG	561	TO 61	600	400	8.0	80.000W			1UA 150V	15 1.000A
HST1264	N	S	HUG	561	TO 61	700	400	8.0	80.000W			1UA 150V	15 1.000A
HST2101	P	G	HUG	390	390A	10	5		100.000W				60 99.000A
HST2110	P	G	HUG	390	390A	10	5		100.000W				60 99.000A
HST2111	P	G	HUG	390	390A	10	5		100.000W				60 99.000A
HST2112	P	G	HUG	390	390B	10	5		100.000W				60 99.000A
HST2150	P	G	HUG	390	390B	10	5		100.000W				60 99.000A
HST2151	P	G	HUG	390	390B	10	5		100.000W				60 99.000A
HST2152	P	G	HUG	390	390B	10	5		100.000W				60 99.000A
HST4451	N	S	HUG	211	TO 5	80	40	8.0	4.000W		70.000G	1UA 60V	35 5.000A
HST4452	N	S	HUG	211	TO 5	100	80	8.0	4.000W		70.000G	1UA 60V	35 5.000A
HST4453	N	S	HUG	211	TO 5	80	40	8.0	4.000W		70.000G	1UA 60V	70 5.000A
HST4454	N	S	HUG	211	TO 5	100	80	8.0	4.000W		70.000G	1UA 60V	70 5.000A
HST4455	N	S	HUG	211	TO 5	80	40	8.0	4.000W		70.000G	1UA 60V	150 5.000A
HST4456	N	S	HUG	211	TO 5	100	80	8.0	4.000W		70.000G	1UA 60V	150 5.000A
HST4483	N	S	HUG	211	TO 5	60	40	8.0	4.000W		70.000G	1UA 60V	35 5.000A
HST4551	N	S	HUG	490	490A	80	40	8.0	20.000W		70.000G	1UA 60V	35 5.000A
HST4552	N	S	HUG	490	490A	100	80	8.0	20.000W		70.000G	1UA 60V	35 5.000A
HST4553	N	S	HUG	490	490A	80	40	8.0	20.000W		70.000G	1UA 60V	70 5.000A
HST4554	N	S	HUG	490	490A	100	80	8.0	20.000W		70.000G	1UA 60V	70 5.000A
HST4555	N	S	HUG	490	490A	80	40	8.0	20.000W		70.000G	1UA 60V	150 5.000A
HST4556	N	S	HUG	490	490A	100	80	8.0	20.000W		70.000G	1UA 60V	150 5.000A
HST4583	N	S	HUG	490	490A	60	40	5.0	20.000W		70.000G	1UA 60V	35 5.000A
HST5001	N	S	HUG	211	TO 46	60	40	8.0	4.000W		85.000G	100NA 30V	88 .500A
HST5002	N	S	HUG	211	TO 46	80	60	8.0	4.000W		85.000G	100NA 30V	88 .500A
HST5003	N	S	HUG	211	TO 46	100	80	8.0	4.000W		85.000G	100NA 60V	88 .500A
HST5004	N	S	HUG	211	TO 46	140	100	8.0	4.000W		85.000G	100NA 60V	88 .500A
HST5005	N	S	HUG	211	TO 46	180	120	8.0	4.000W		85.000G	100NA 60V	88 .500A
HST5006	N	S	HUG	211	TO 46	60	40	8.0	4.000W		85.000G	100NA 30V	45 .500A
HST5007	N	S	HUG	211	TO 46	80	60	8.0	4.000W		85.000G	100NA 30V	45 .500A
HST5008	N	S	HUG	211	TO 46	100	80	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5009	N	S	HUG	211	TO 46	140	100	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5010	N	S	HUG	211	TO 46	180	120	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5011	N	S	HUG	211	TO 46	60	40	8.0	4.000W		85.000G	100NA 30V	180 .500A
HST5012	N	S	HUG	211	TO 46	80	60	8.0	4.000W		85.000G	100NA 30V	180 .500A
HST5013	N	S	HUG	211	TO 46	100	80	8.0	4.000W		85.000G	100NA 60V	180 .500A
HST5014	N	S	HUG	211	TO 46	140	100	8.0	4.000W		85.000G	100NA 60V	180 .500A
HST5015	N	S	HUG	211	TO 46	180	120	8.0	4.000W		85.000G	100NA 60V	180 .500A
HST5051	N	S	HUG	211	TO 46	175	150	8.0	4.000W		85.000G	100NA 60V	88 .500A
HST5052	N	S	HUG	211	TO 46	200	175	8.0	4.000W		85.000G	100NA 60V	88 .500A
HST5053	N	S	HUG	211	TO 46	225	200	8.0	4.000W		85.000G	100NA 60V	88 .500A
HST5054	N	S	HUG	211	TO 46	175	150	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5055	N	S	HUG	211	TO 46	200	175	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5056	N	S	HUG	211	TO 46	225	200	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5501	N	S	HUG	211	TO 5	60	40	8.0	4.000W		85.000G	100NA 30V	88 .500A
HST5502	N	S	HUG	211	TO 5	80	60	8.0	4.000W		85.000G	100NA 30V	88 .500A
HST5503	N	S	HUG	211	TO 5	100	80	8.0	4.000W		85.000G	100NA 60V	88 .500A
HST5504	N	S	HUG	211	TO 5	140	100	8.0	4.000W		85.000G	100NA 60V	88 .500A
HST5505	N	S	HUG	211	TO 5	180	120	8.0	4.000W		85.000G	100NA 60V	88 .500A
HST5506	N	S	HUG	211	TO 5	60	40	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5507	N	S	HUG	211	TO 5	80	60	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5508	N	S	HUG	211	TO 5	100	80	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5509	N	S	HUG	211	TO 5	140	100	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5510	N	S	HUG	211	TO 5	180	120	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5511	N	S	HUG	211	TO 5	60	40	8.0	4.000W		85.000G	100NA 30V	180 .500A
HST5512	N	S	HUG	211	TO 5	80	60	8.0	4.000W		85.000G	100NA 30V	180 .500A
HST5513	N	S	HUG	211	TO 5	100	80	8.0	4.000W		85.000G	100NA 60V	180 .500A
HST5514	N	S	HUG	211	TO 5	140	100	8.0	4.000W		85.000G	100NA 60V	180 .500A
HST5515	N	S	HUG	211	TO 5	180	120	8.0	4.000W		85.000G	100NA 60V	180 .500A
HST5551	N	S	HUG	211	TO 5	175	150	8.0	4.000W		85.000G	100NA 60V	88 .500A
HST5552	N	S	HUG	211	TO 5	200	175	8.0	4.000W		85.000G	100NA 60V	88 .500A
HST5553	N	S	HUG	211	TO 5	225	200	8.0	4.000W		85.000G	100NA 60V	88 .500A
HST5554	N	S	HUG	211	TO 5	175	150	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5555	N	S	HUG	211	TO 5	200	175	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5556	N	S	HUG	211	TO 5	225	200	8.0	4.000W		85.000G	100NA 60V	45 .500A
HST5901	N	S	HUG	605	TO 66	60	40	8.0	16.600W		85.000G		88 5.000A
HST5902	N	S	HUG	605	TO 66	80	60	8.0	16.600W		85.000G		88 5.000A
HST5903	N	S	HUG	605	TO 66	100	80	8.0	16.600W		85.000G		88 5.000A
HST5904	N	S	HUG	605	TO 66	140	100	8.0	16.600W		85.000G		88 5.000A
HST5905	N	S	HUG	605	TO 66	180	120	8.0	16.600W		85.000G		88 5.000A
HST5906	N	S	HUG	605	TO 66	60	40	8.0	16.600W		85.000G		45 5.000A
HST5907	N	S	HUG	605	TO 66	80	60	8.0	16.600W		85.000G		45 5.000A
HST5908	N	S	HUG	605	TO 66	100	80	8.0	16.600W		85.000G		45 5.000A
HST5909	N	S	HUG	605	TO 66	140	100	8.0	16.600W		85.000G		45 5.000A
HST5910	N	S	HUG	605	TO 66	180	120	8.0	16.600W		85.000G		45 5.000A
HST5911	N	S	HUG	605	TO 66	60	40	8.0	16.600W		85.000G		180 5.000A
HST5912	N	S	HUG	605	TO 66	80	60	8.0	16.600W		85.000G		180 5.000A
HST5913	N	S	HUG	605	TO 66	100	80	8.0	16.600W		85.000G		180 5.000A
HST5914	N	S	HUG	605	TO 66	140	100	8.0	16.600W		85.000G		180 5.000A
HST5915	N	S	HUG	605	TO 66	180	120	8.0	16.600W		85.000G		180 5.000A
HST5951	N	S	HUG	605	TO 66	175	150	8.0	16.600W		85.000G	100NA 60V	88 5.000A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @ V_{cb}		Gain h_{fe} @ I_c	
HST5952	N	S	HUG	605	TO 66	200	175	8.0	16.600W		85.000G	100NA	60V	88	5.000A
HST5953	N	S	HUG	605	TO 66	225	200	8.0	16.600W		85.000G	100NA	60V	88	5.000A
HST5954	N	S	HUG	605	TO 66	175	150	8.0	16.600W		85.000G	100NA	60V	45	5.000A
HST5955	N	S	HUG	605	TO 66	200	175	8.0	16.600W		85.000G	100NA	60V	45	5.000A
HST5956	N	S	HUG	605	TO 66	225	200	8.0	16.600W		85.000G	100NA	60V	45	5.000A
HST6001	N	S	HUG	561	TO 62	100	50	5.0	40.000W		70.000G	1UA	60V	15	5.000A
HST6011	N	S	HUG	561	TO 62	80	40	8.0	40.000W		70.000G	1UA	60V	35	5.000A
HST6012	N	S	HUG	561	TO 62	100	80	8.0	40.000W		70.000G	1UA	60V	35	5.000A
HST6013	N	S	HUG	561	TO 62	80	40	8.0	40.000W		70.000G	1UA	60V	70	5.000A
HST6014	N	S	HUG	561	TO 62	100	80	8.0	40.000W		70.000G	1UA	60V	70	5.000A
HST6015	N	S	HUG	561	TO 62	80	40	8.0	40.000W		70.000G	1UA	60V	150	5.000A
HST6016	N	S	HUG	561	TO 62	100	80	8.0	40.000W		70.000G	1UA	60V	150	5.000A
HST6031	N	S	HUG	561	TO 62	60	40	5.0	40.000W		70.000G	1UA	60V	35	5.000A
HST6308	N	S	HUG	561	TO111	60	40	8.0	30.000W		70.000G	1UA	60V	35	5.000A
HST6309	N	S	HUG	561	TO111	80	60	8.0	30.000W		70.000G	1UA	60V	35	5.000A
HST6310	N	S	HUG	561	TO111	100	80	8.0	30.000W		70.000G	1UA	60V	35	5.000A
HST6311	N	S	HUG	561	TO111	60	40	8.0	30.000W		70.000G	1UA	60V	70	5.000A
HST6312	N	S	HUG	561	TO111	80	60	8.0	30.000W		70.000G	1UA	60V	70	5.000A
HST6313	N	S	HUG	561	TO111	100	80	8.0	30.000W		70.000G	1UA	60V	70	5.000A
HST6314	N	S	HUG	561	TO111	60	40	8.0	30.000W		70.000G	1UA	60V	150	5.000A
HST6315	N	S	HUG	561	TO111	80	60	8.0	30.000W		70.000G	1UA	60V	150	5.000A
HST6316	N	S	HUG	561	TO111	100	80	8.0	30.000W		70.000G	1UA	60V	150	5.000A
HST6408	N	S	HUG	560	TO111	60	40	8.0	30.000W		70.000G	1UA	60V	35	5.000A
HST6409	N	S	HUG	560	TO111	100	80	8.0	30.000W		70.000G	1UA	60V	35	5.000A
HST6410	N	S	HUG	560	TO111	100	80	8.0	30.000W		70.000G	1UA	60V	35	5.000A
HST6411	N	S	HUG	560	TO111	60	40	8.0	30.000W		70.000G	1UA	60V	70	5.000A
HST6412	N	S	HUG	560	TO111	80	60	8.0	30.000W		70.000G	1UA	60V	70	5.000A
HST6413	N	S	HUG	560	TO111	100	80	8.0	30.000W		70.000G	1UA	60V	70	5.000A
HST6414	N	S	HUG	560	TO111	60	40	8.0	30.000W		70.000G	1UA	60V	150	5.000A
HST6415	N	S	HUG	560	TO111	80	60	8.0	30.000W		70.000G	1UA	60V	150	5.000A
HST6416	N	S	HUG	560	TO111	100	80	8.0	30.000W		70.000G	1UA	60V	150	5.000A
HST6901	N	S	HUG	605	TO 66	145	125	8.0	20.000W		70.000G	1UA	60V	35	.500A
HST6902	N	S	HUG	605	TO 66	170	150	8.0	20.000W		70.000G	1UA	60V	35	.500A
HST6903	N	S	HUG	605	TO 66	195	175	8.0	20.000W		70.000G	1UA	60V	35	.500A
HST6904	N	S	HUG	605	TO 66	220	200	8.0	20.000W		70.000G	1UA	60V	35	.500A
HST6905	N	S	HUG	605	TO 66	145	125	8.0	20.000W		70.000G	1UA	60V	70	.500A
HST6906	N	S	HUG	605	TO 66	170	150	8.0	20.000W		70.000G	1UA	60V	70	.500A
HST6907	N	S	HUG	605	TO 66	195	175	8.0	20.000W		70.000G	1UA	60V	70	.500A
HST6908	N	S	HUG	605	TO 66	220	200	8.0	20.000W		70.000G	1UA	60V	70	.500A
HST7011	N	S	HUG	561	TO 61	60	40	5.0	50.000W		60.000G	1UA	60V	35	.500A
HST7012	N	S	HUG	561	TO 61	80	60	5.0	50.000W		60.000G	1UA	60V	35	.500A
HST7013	N	S	HUG	561	TO 61	100	80	5.0	50.000W		60.000G	1UA	60V	35	.500A
HST7014	N	S	HUG	561	TO 61	60	40	5.0	50.000W		60.000G	1UA	60V	70	.500A
HST7015	N	S	HUG	561	TO 61	80	60	5.0	50.000W		60.000G	1UA	60V	70	.500A
HST7016	N	S	HUG	561	TO 61	100	80	5.0	50.000W		60.000G	1UA	60V	70	.500A
HST7017	N	S	HUG	561	TO 61	60	40	5.0	50.000W		60.000G	1UA	60V	150	.500A
HST7018	N	S	HUG	561	TO 61	80	60	5.0	50.000W		60.000G	1UA	60V	150	.500A
HST7019	N	S	HUG	561	TO 61	100	80	5.0	50.000W		60.000G	1UA	60V	150	.500A
HST7140	N	S	HUG	561	TO 61	120	100	8.0	50.000W		60.000G	100NA	60V	70	.500A
HST7141	N	S	HUG	561	TO 61	200	150	8.0	50.000W		60.000G	100NA	100V	70	.500A
HST7150	N	S	HUG	561	TO 61	140	120	8.0	50.000W		60.000G	500NA	60V	35	.500A
HST7151	N	S	HUG	561	TO 61	170	150	8.0	50.000W		60.000G	500NA	100V	35	.500A
HST7152	N	S	HUG	561	TO 61	220	200	8.0	50.000W		60.000G	500NA	100V	35	.500A
HST7154	N	S	HUG	561	TO 61	140	120	8.0	50.000W		60.000G	500NA	60V	70	.500A
HST7155	N	S	HUG	561	TO 61	170	150	8.0	50.000W		60.000G	500NA	100V	70	.500A
HST7156	N	S	HUG	561	TO 61	220	200	8.0	50.000W		60.000G	500NA	100V	70	.500A
HST7201	N	S	HUG	605	TO 3	225	200	8.0	65.000W		50.000G	1UA	100V	35	.500A
HST7202	N	S	HUG	605	TO 3	250	225	8.0	65.000W		50.000G	1UA	100V	35	.500A
HST7203	N	S	HUG	605	TO 3	275	250	8.0	65.000W		50.000G	1UA	100V	35	.500A
HST7204	N	S	HUG	605	TO 3	325	300	8.0	65.000W		50.000G	1UA	100V	35	.500A
HST7205	N	S	HUG	605	TO 3	350	325	8.0	65.000W		50.000G	1UA	100V	35	.500A
HST7206	N	S	HUG	605	TO 3	150	150	8.0	65.000W		50.000G	10UA	100V	15	.500A
HST7207	N	S	HUG	605	TO 3	200	200	8.0	65.000W		50.000G	10UA	100V	22	.500A
HST7208	N	S	HUG	605	TO 3	250	250	8.0	65.000W		50.000G	10UA	100V	22	.500A
HST7209	N	S	HUG	605	TO 3	300	300	8.0	65.000W		50.000G	10UA	100V	22	.500A
HST7401	N	S	HUG	211	TO 5	60	40	5.0	5.000W			1UA	30V	70	5.000A
HST7402	N	S	HUG	211	TO 5	80	60	5.0	5.000W			1UA	30V	70	5.000A
HST7403	N	S	HUG	211	TO 5	100	80	5.0	5.000W			1UA	60V	70	5.000A
HST7411	N	S	HUG	211	TO 5	60	40	5.0	5.000W			1UA	30V	35	5.000A
HST7412	N	S	HUG	211	TO 5	80	60	5.0	5.000W			1UA	60V	35	5.000A
HST7413	N	S	HUG	211	TO 5	100	80	5.0	5.000W			1UA	60V	35	5.000A
HST7414	N	S	HUG	211	TO 5	60	40	5.0	5.000W			1UA	30V	70	5.000A
HST7415	N	S	HUG	211	TO 5	80	60	5.0	5.000W			1UA	60V	70	5.000A
HST7416	N	S	HUG	211	TO 5	100	80	5.0	5.000W			1UA	60V	70	5.000A
HST7417	N	S	HUG	211	TO 5	60	40	5.0	5.000W			1UA	30V	150	5.000A
HST7418	N	S	HUG	211	TO 5	80	60	5.0	5.000W			1UA	60V	150	5.000A
HST7419	N	S	HUG	211	TO 5	100	80	5.0	5.000W			1UA	60V	150	5.000A
HST7601	N	S	HUG	607	TO 41	60	40	8.0	65.000W		60.000G	500NA	30V	70	5.000A
HST7602	N	S	HUG	607	TO 41	80	60	8.0	65.000W		60.000G	500NA	30V	70	5.000A
HST7603	N	S	HUG	607	TO 41	100	80	8.0	65.000W		60.000G	500NA	60V	70	5.000A
HST7604	N	S	HUG	607	TO 41	140	120	8.0	65.000W		60.000G	500NA	60V	70	5.000A
HST7605	N	S	HUG	607	TO 41	170	150	8.0	65.000W		60.000G	500NA	100V	70	5.000A
HST7606	N	S	HUG	607	TO 41	220	200	8.0	65.000W		60.000G	500NA	100V	70	5.000A
HST7607	N	S	HUG	607	TO 41	60	40	8.0	65.000W		60.000G	500NA	30V	35	5.000A
HST7608	N	S	HUG	607	TO 41	80	60	8.0	65.000W		60.000G	500NA	30V	35	5.000A
HST7609	N	S	HUG	607	TO 41	100	80	8.0	65.000W		60.000G	500NA	60V	35	5.000A
HST7610	N	S	HUG	607	TO 41	140	120	8.0	65.000W		60.000G	500NA	60V	35	5.000A
HST7611	N	S	HUG	607	TO 41	170	150	8.0	65.000W		60.000G	500NA	100V	35	5.000A
HST7612	N	S	HUG	607	TO 41	220	200	8.0	65.000W		60.000G	500NA	100V	35	5.000A
HST7801	N	S	HUG	561	TO 61	225	200	8.0	50.000W		50.000G	1UA	100V	35	5.000A
HST7802	N	S	HUG	561	TO 61	250	225	8.0	50.000W		50.000G	1UA	100V	35	5.000A
HST7803	N	S	HUG	561	TO 61	275	250	8.0	50.000W		50.000G	1UA	100V	35	5.000A
HST7804	N	S	HUG	561	TO 61	325	300	8.0	50.000W		50.000G	1UA	100V	35	5.000A
HST7805	N	S	HUG	561	TO 61	350	325	8.0	50.000W		50.000G	1UA	100V	35	5.000A
HST7806	N	S	HUG	561	TO 61	150	150	8.0	50.000W		50.000G	1UA	100V	15	5.000A
HST7807	N	S	HUG	561	TO 61	200	200	8.0	50.000W		50.000G	1UA	100V	23	5.000A
HST7808	N	S	HUG	561	TO 61	250	250	8.0	50.000W		50.000G	1UA	100V	23	5.000A
HST7809	N	S	HUG	561	TO 61	300	300	8.0	50.000W		50.000G	1UA	100V	23	5.000A
HST7901	N	S	HUG	605	TO 66	225	200	8.0	25.000W		50.000G	1UA	100V	35	5.000A
HST7902	N	S	HUG	605	TO 66	250	225	8.0	25.000W		50.000G	1UA	100V	35	5.000A
HST7903	N	S	HUG	605	TO 66	275	250	8.0	25.000W		50.000G	1UA	100V	35	5.000A
HST7904	N	S	HUG	605	TO 66	325	300	8.0	25.000W		50.000G	1UA	100V	35	5.000A
HST7905	N	S	HUG	605	TO 66	350	325	8.0	25.000W		50.000G	1UA	100V	35	5.000A
HST7907	N	S	HUG	605	TO 66	200	200	8.0	25.000W		50.000G	10UA	100V	23	5.000A
HST7908	N	S	HUG	605	TO 66	250	250	8.0	25.000W		50.000G	10UA	100V	23	5.000A
HST7909	N	S	HUG	605	TO 66	300	300	8.0	25.000W		50.000G	10UA	100V	23	5.000A
HST7910	N	S	HUG	605	TO 66	150	150	8.0	25.000W		50.000G	10UA	100V	15	5.000A
HST8002	N	S	HUG	561	TO 63	80	60	8.0	100.000W		35.000G	100UA	60V	70	5.000A
HST8003	N	S	HUG	561	TO 63	100	80	8.0	100.000W		35.000G	100UA	60V	70	5.000A

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
HST8012	N	S	HUG	561	TO 63	80	60	8.0		100.000W		35.000G	10UA	60V	35	5.000A
HST8013	N	S	HUG	561	TO 63	100	80	8.0		100.000W		35.000G	10UA	60V	35	5.000A
HST8015	N	S	HUG	561	TO 63	80	60	8.0		100.000W		35.000G	10UA	60V	70	5.000A
HST8016	N	S	HUG	561	TO 63	100	80	8.0		100.000W		35.000G	10UA	60V	70	5.000A
HST8045	N	S	HUG	561	TO 63	45	25	5.0		100.000W		35.000G	10UA	25V	60	5.000A
HST8070	N	S	HUG	561	TO 63	80	60	8.0		100.000W		35.000G	10UA	60V	150	5.000A
HST8071	N	S	HUG	561	TO 63	100	80	8.0		100.000W		35.000G	10UA	60V	150	5.000A
HST8105	N	S	HUG	913	913A	80	60	8.0		65.000W		35.000G	100UA	60V	70	5.000A
HST8106	N	S	HUG	913	913A	100	80	8.0		65.000W		35.000G	100UA	60V	70	5.000A
HST8110	N	S	HUG	913	913A	80	60	8.0		65.000W		35.000G	10UA	60V	150	5.000A
HST8111	N	S	HUG	913	913A	100	80	8.0		65.000W		35.000G	10UA	60V	150	5.000A
HST8112	N	S	HUG	913	913A	80	60	8.0		65.000W		35.000G	10UA	60V	35	5.000A
HST8113	N	S	HUG	913	913A	100	80	8.0		65.000W		35.000G	10UA	60V	35	5.000A
HST8114	N	S	HUG	913	913A	40	25	8.0		65.000W		35.000G	10UA	60V	60	5.000A
HST8115	N	S	HUG	913	913A	80	60	8.0		65.000W		35.000G	10UA	60V	70	5.000A
HST8116	N	S	HUG	913	913A	100	80	8.0		65.000W		35.000G	10UA	60V	70	5.000A
HST8301	N	S	HUG	561	TO 63	80	60	8.0		100.000W		35.000G	10UA	60V	70	5.000A
HST8302	N	S	HUG	561	TO 63	100	80	8.0		100.000W		35.000G	10UA	60V	70	5.000A
HST8303	N	S	HUG	561	TO 63	80	60	8.0		100.000W		35.000G	10UA	60V	150	5.000A
HST8304	N	S	HUG	561	TO 63	100	80	8.0		100.000W		35.000G	10UA	60V	150	5.000A
HST8601	N	S	HUG	403	TO 68	80	60	8.0		166.000W		15.000G	10UA	60V	15	5.000A
HST8602	N	S	HUG	403	TO 68	100	80	8.0		166.000W		15.000G	10UA	60V	15	5.000A
HST8603	N	S	HUG	403	TO 68	120	100	8.0		166.000W		15.000G	10UA	60V	15	5.000A
HST8604	N	S	HUG	403	TO 68	140	120	8.0		166.000W		15.000G	10UA	60V	15	5.000A
HST8651	N	S	HUG	403	TO 68	200	200	8.0		166.000W		15.000G	10UA	100V	20	5.000A
HST8652	N	S	HUG	403	TO 68	225	225	8.0		166.000W		15.000G	10UA	100V	20	5.000A
HST8653	N	S	HUG	403	TO 68	250	250	8.0		166.000W		15.000G	10UA	100V	20	5.000A
HST8654	N	S	HUG	403	TO 68	275	275	8.0		166.000W		15.000G	10UA	100V	20	5.000A
HST8655	N	S	HUG	403	TO 68	300	300	8.0		166.000W		15.000G	10UA	100V	20	5.000A
HST8801	N	S	HUG	561	TO 63	200	200	8.0		100.000W		30.000G	1UA	60V	30	4.000A
HST8802	N	S	HUG	561	TO 63	225	225	8.0		100.000W		30.000G	1UA	60V	30	4.000A
HST8803	N	S	HUG	561	TO 63	250	250	8.0		100.000W		30.000G	1UA	60V	30	4.000A
HST8804	N	S	HUG	561	TO 63	275	275	8.0		100.000W		30.000G	1UA	60V	30	4.000A
HST8805	N	S	HUG	561	TO 63	300	300	8.0		100.000W		30.000G	1UA	60V	30	4.000A
HST8920	N	S	HUG	563	TO114	80	60	8.0		200.000W		15.000G	10UA	60V	15	4.000A
HST8921	N	S	HUG	563	TO114	100	80	8.0		200.000W		15.000G	10UA	60V	15	4.000A
HST8922	N	S	HUG	563	TO114	120	100	8.0		200.000W		15.000G	10UA	60V	15	4.000A
HST8923	N	S	HUG	563	TO114	140	120	8.0		200.000W		15.000G	10UA	60V	15	4.000A
HST8951	N	S	HUG	563	TO114	200	200	8.0		166.000W		15.000G	10UA	100V	20	4.000A
HST8952	N	S	HUG	563	TO114	225	225	8.0		166.000W		15.000G	10UA	100V	20	4.000A
HST8953	N	S	HUG	563	TO114	250	250	8.0		166.000W		15.000G	10UA	100V	20	4.000A
HST8954	N	S	HUG	563	TO114	275	275	8.0		166.000W		15.000G	10UA	100V	20	4.000A
HST8955	N	S	HUG	563	TO114	300	300	8.0		166.000W		15.000G	10UA	100V	20	4.000A
HST9001	N	S	HUG	211	TO 5	50	30	5.0		4.000W		70.000G	1UA	25V	30	4.000A
HST9002	N	S	HUG	211	TO 5	70	50	5.0		4.000W		70.000G	1UA	25V	30	4.000A
HST9003	N	S	HUG	211	TO 5	90	70	5.0		4.000W		70.000G	1UA	25V	30	4.000A
HST9004	N	S	HUG	211	TO 5	50	30	5.0		4.000W		70.000G	1UA	25V	52	4.000A
HST9005	N	S	HUG	211	TO 5	70	50	5.0		4.000W		70.000G	1UA	25V	52	4.000A
HST9006	N	S	HUG	211	TO 5	90	70	5.0		4.000W		70.000G	1UA	25V	52	4.000A
HST9007	N	S	HUG	211	TO 5	50	30	5.0		4.000W		70.000G	1UA	25V	88	4.000A
HST9008	N	S	HUG	211	TO 5	70	50	5.0		4.000W		70.000G	1UA	25V	88	4.000A
HST9009	N	S	HUG	211	TO 5	90	70	5.0		4.000W		70.000G	1UA	25V	88	4.000A
HST9010	N	S	HUG	211	TO 5	50	30	5.0		4.000W		70.000G	1UA	25V	150	4.000A
HST9011	N	S	HUG	211	TO 5	70	50	5.0		4.000W		70.000G	1UA	25V	150	4.000A
HST9012	N	S	HUG	211	TO 5	90	70	5.0		4.000W		70.000G	1UA	25V	150	4.000A
HST9201	N	S	HUG	605	TO 3	55	45	12.0		115.000W		70.000G	2UA	30V	38	4.000A
HST9202	N	S	HUG	605	TO 3	100	80	12.0		115.000W		70.000G	700NA	30V	38	4.000A
HST9203	N	S	HUG	605	TO 3	120	100	12.0		115.000W		70.000G	700NA	30V	38	4.000A
HST9204	N	S	HUG	605	TO 3	140	120	12.0		115.000W		70.000G	700NA	30V	38	4.000A
HST9205	N	S	HUG	605	TO 3	55	45	12.0		115.000W		70.000G	2UA	30V	32	4.000A
HST9206	N	S	HUG	605	TO 3	80	60	12.0		115.000W		70.000G	700NA	30V	32	4.000A
HST9207	N	S	HUG	605	TO 3	100	80	12.0		115.000W		70.000G	700NA	30V	32	4.000A
HST9208	N	S	HUG	605	TO 3	120	100	12.0		115.000W		70.000G	700NA	30V	32	4.000A
HST9209	N	S	HUG	605	TO 3	140	120	12.0		115.000W		70.000G	700NA	30V	32	4.000A
HST9210	N	S	HUG	605	TO 3	40	30	5.0		115.000W		70.000G	5UA	20V	23	2.000A
HST9801	N	S	HUG	605	TO 3	60	40	12.0		83.000W		70.000G	1UA	40V	35	4.000A
HST9802	N	S	HUG	605	TO 3	80	60	12.0		83.000W		70.000G	1UA	60V	35	4.000A
HST9803	N	S	HUG	605	TO 3	100	80	12.0		83.000W		70.000G	1UA	80V	35	4.000A
HST9804	N	S	HUG	605	TO 3	120	100	12.0		83.000W		70.000G	1UA	100V	35	4.000A
HST9901	N	S	HUG	561	TO 61	60	40	12.0		61.000W		70.000G	1UA	40V	35	4.000A
HST9902	N	S	HUG	561	TO 61	80	60	12.0		61.000W		70.000G	1UA	60V	35	4.000A
HST9903	N	S	HUG	561	TO 61	100	80	12.0		61.000W		70.000G	1UA	80V	35	4.000A
HST9904	N	S	HUG	561	TO 61	120	100	12.0		61.000W		70.000G	1UA	100V	35	4.000A
JR5	P	G	SEM	120	TO 58	30	20	10.0	.200A	.200W		1.000G			70	
JR10	P	G	SEM	120	TO 58	20	20	1.0	.100A	.100W		40.000G			50	
JR15	P	G	SEM	120	TO 58	35	25	20.0	.200A	.250W		.500G			150	
JR30	P	G	SEM	120	TO 58	20	20	2.0	.100A	.100W		70.000G			100	
JR30X	P	G	SEM	120	TO 58	20	20	2.0	.100A	.100W		130.000G			150	
JR100	P	G	SEM	210	TO 18	12	12	1.0	.100A	.100W		150.000G			70	
JR200	P	G	SEM	210	TO 18	15	15	2.0	.100A	.100W		250.000G			100	
L10A	N	S	SEJ	607	607A	50	50	4.0	10.000A	200.000W	150J	5.000B			30	
L10B	N	S	SEJ	607	607A	100	100	4.0	10.000A	200.000W	150J	5.000B			30	
L10C	N	S	SEJ	607	607A	200	200	4.0	10.000A	200.000W	150J	5.000B			30	
L10D	N	S	SEJ	607	607A	300	300	4.0	10.000A	200.000W	150J	5.000B			30	
L20A	N	S	SEJ	607	607A	50	50	4.0	20.000A	200.000W	150J	5.000B			30	
L20B	N	S	SEJ	607	607A	100	100	4.0	20.000A	200.000W	150J	5.000B			30	
L20C	N	S	SEJ	607	607A	200	200	4.0	20.000A	200.000W	150J	5.000B			30	
L20D	N	S	SEJ	607	607A	300	300	4.0	20.000A	200.000W	150J	5.000B			30	
L30A	N	S	SEJ	607	607A	50	50	4.0	30.000A	200.000W	150J	5.000B			30	
L30B	N	S	SEJ	607	607A	100	100	4.0	30.000A	200.000W	150J	5.000B			30	
L30C	N	S	SEJ	607	607A	200	200	4.0	30.000A	200.000W	150J	5.000B			30	
L30D	N	S	SEJ	607	607A	300	300	4.0	30.000A	200.000W	150J	5.000B			30	
LDA400	N	S	AMP	890	890A	35	35	5.0	.030A	.360W	150J	250.000G	10NA	10V	70	.001A
LDA401	N	S	AMP	890	890A	35	35	5.0	.030A	.360W	150J	250.000G	10NA	10V	175	.001A
LDA402	N	S	AMP	890	890A	35	35	5.0	.030A	.360W	150J	250.000G	100NA	35V	175	.001A
LDA403	N	S	AMP	890	890A	35	35	5.0	.030A	.360W	150J	250.000G	100NA	35V	420	.001A
LDA404	N	S	AMP	890	890A	60		5.0	.800A	.250W		200.000G	10NA		30	.010A
LDA405	N	S	AMP	890	890A	60		5.0	.800A	.250W		200.000G	10NA		70	.010A
LDA406	N	S	AMP	890	890A	30	15	3.0	.025A	.300W	150J	600.000G	10NA	15V	40	.003A
LDA407	N	S	AMP	890	890A		15		.025A	.360W	150A	1000.000G			53	
LDA410	N	S	AMP	890	890A		35		.025A	.360W	150A				6	
LDA420	N	S	AMP	890	890A		25		.150A	.360W	150A				38	
LDA450	P	S	AMP	890	890A	45	30	5.0	.030A	.360W	150J	200.000G	10NA	40V	70	.010A
LDA451	P	S	AMP	890	890A	45	30	5.0	.030A	.360W	150J	200.000G	10NA	40V	175	.010A
LDA452	P	S	AMP	890	890A		30		.300A	.360W	150A	200.000G			70	
LDA453	P	S	AMP	890	890A		30		.300A	.360W	150A	200.000G			175	
LDS200	N	S	AMP	890	890A	30	15	4.5		.360W	150J	500.000G	500NA	20V	35	.010A
LDS201	N	S	AMP	890	890A	30	15	4.5		.360W	150J	500.000G	500NA	20V	70	.010A
LDS205	N	S	AMP	890	890A		6		.100A	.360W	150A	600.000G			50	

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
LOS206	N	S	AMP	890	890A		20		.030A	.360W	150A	250.000G			150	
LOS208	N	S	AMP	890	890A		30		.300A	.360W	150A				45	
M5A	N	S	SEJ	605	TO 3	50	50	4.0	5.000A	100.000W	150J	5.000B			30	
M5B	N	S	SEJ	605	TO 3	100	100	4.0	5.000A	100.000W	150J	5.000B			30	
M5C	N	S	SEJ	605	TO 3	200	200	4.0	5.000A	100.000W	150J	5.000B			30	
M50	N	S	SEJ	605	TO 3	300	300	4.0	5.000A	100.000W	150J	5.000B			30	
M10A	N	S	SEJ	605	TO 3	50	50	4.0	10.000A	100.000W	150J	5.000B			30	
M10B	N	S	SEJ	605	TO 3	100	100	4.0	10.000A	100.000W	150J	5.000B			30	
M10C	N	S	SEJ	605	TO 3	200	200	4.0	10.000A	100.000W	150J	5.000B			30	
M100	N	S	SEJ	605	TO 3	300	300	4.0	10.000A	100.000W	150J	5.000B			30	
M8073B	P	G	TOS	120	TO 1	18		12.0	.100A	.150W	85J	10.000B	10UA	18V		
M8073C	P	G	TOS	120	TO 1	18	18S	12.0	.100A	.150W	85J	4.000B	10UA	18V	48	.024A
M9010	N	S	TOS	45	TO 98	20		2.0	.050A	.200W	125J	1200.000G	500NA	20V		
MA100	P	G	MOT	210	TO 5	60	60S	15.0	.500A	.200W	100J	1.000B	100UA	60V	60	.010A
MA200	P	G	MOT	210	TO 5	105	105	10.0	.200A	.150W	100J	1.000B	50UA	105V	40	.005A
MA201	P	G	MOT	210	TO 5	105	105	10.0	.200A	.150W	100J	1.000B	50UA	105V	80	.005A
MA202	P	G	MOT	210	TO 5	105	105	20.0	.200A	.150W	100J	1.000B	50UA	105V	80	.005A
MA203	P	G	MOT	210	TO 5	105	105	20.0	.200A	.150W	100J	1.000B	50UA	105V	80	.005A
MA204	P	G	MOT	210	TO 5	90	90	20.0	.200A	.150W	100J	1.000B	50UA	90V	40	.005A
MA205	P	G	MOT	210	TO 5	75	75	20.0	.200A	.150W	100J	1.000B	50UA	75V	40	.005A
MA206	P	G	MOT	210	TO 5	60	60	10.0	.200A	.150W	100J	9.000B	50UA	60V	40	.005A
MA881	P	G	MOT	210	TO 5	60	60S	15.0	.500A	.200W	100J	.750B	100UA	60V	48	.001A
MA882	P	G	MOT	210	TO 5	60	60S	15.0	.500A	.200W	100J	1.000B	100UA	60V	80	.001A
MA883	P	G	MOT	210	TO 5	60	60S	15.0	.500A	.200W	100J	1.250B	100UA	60V	160	.001A
MA884	P	G	MOT	210	TO 5	60	60S	15.0	.500A	.200W	100J	1.750B	100UA	60V	290	.001A
MA885	P	G	MOT	210	TO 5	50	50S	15.0	.500A	.200W	100J	.500B	100UA	50V	26	.001A
MA886	P	G	MOT	210	TO 5	50	50S	15.0	.500A	.200W	100J	.750B	100UA	50V	48	.001A
MA887	P	G	MOT	210	TO 5	50	50S	15.0	.500A	.200W	100J	1.000B	100UA	50V	80	.001A
MA888	P	G	MOT	210	TO 5	50	50S	15.0	.500A	.200W	100J	1.250B	100UA	50V	160	.001A
MA889	P	G	MOT	210	TO 5	50	50S	15.0	.500A	.200W	100J	1.750B	100UA	50V	290	.001A
MA909	P	G	MOT	210	TO 5	75	75	35.0	.200A	.150W	100J		50UA	75V	40	.005A
MA910	P	G	MOT	210	TO 5	90	90	45.0	.200A	.150W	100J		50UA	90V	40	.005A
MA1702	P	G	MOT	210	TO 5	45	30R	30.0	.500A	.200W	100J	7.000B	10UA	30V	400	.100A
MA1703	P	G	MOT	210	TO 5	25	25R	25.0	.500A	.200W	100J	3.000B	15UA	25V	190	.100A
MA1704	P	G	MOT	210	TO 5	25	25R	25.0	.500A	.200W	100J	5.000B	15UA	25V	250	.100A
MA1705	P	G	MOT	210	TO 5	25	25R	25.0	.500A	.200W	100J	6.000B	15UA	25V	400	.100A
MA1706	P	G	MOT	210	TO 5	15	15R	4.5	.500A	.200W	100J	3.000B	15UA	15V	190	.100A
MA1707	P	G	MOT	210	TO 5	15	15R	4.5	.500A	.200W	100J	4.000B	15UA	15V	250	.100A
MA1708	P	G	MOT	210	TO 5	15	15R	4.5	.500A	.200W	100J	5.000B	15UA	15V	400	.100A
MCS2135	-N	S	MOT	935	935A	75	60	6.0	.050A	.150W	125J	100.000G	10NA	50V	180	.001A
MCS2136	-N	S	MOT	935	935A	75	60	6.0	.050A	.150W	125J	100.000G	10NA	50V	430	.001A
MCS2137	-P	S	MOT	935	935A	60	60	5.0	.050A	.150W	125J	100.000G	20NA	50V	180	.001A
MCS2138	-P	S	MOT	935	935A	60	60	5.0	.050A	.150W	125J	100.000G	20NA	50V	430	.001A
M0420	P	G	SPR	217	TO 12	20			.050A	.060W	125J	100.000G	100UA		10	
ME213	-N	S	AMP	211	TO 18	45		5.0	.025A	.300W		100.000G	100NA		50	.001A
ME213A	-N	S	AMP	211	TO 18	45		5.0		.300W		100.000G	100NA		50	.001A
ME900	-N	S	AMP	210	TO 18	40	20	5.0		.360W	200J	100.000G	10NA	20V	140	
ME900A	-N	S	AMP	210	TO 18	40	20	5.0		.360W	200J	100.000G	10NA	20V	140	
ME901	-N	S	AMP	210	TO 18	40	20	5.0		.360W	200J	100.000G	10NA	20V	350	
ME901A	-N	S	AMP	210	TO 18	40	20	5.0		.360W	200J	100.000G	10NA	20V	350	
MF3304	P	S	MOT	217	TO 72	18	12	5.0		.300W	200J	700.000G	10NA	9V	60	.010A
MHT1802	-P	G	MHR	405	TO 36	80	60	30.0	65.000A	170.000W	110J	.150G	5MA	80V	70	
MHT1803	-P	G	MHR	405	TO 36	60	45	30.0	65.000A	170.000W	110J	.150G	5MA	60V	70	
MHT1807	-P	G	MHR	405	TO 36	40	30	20.0	65.000A	170.000W	110J	.050G	5MA	40V	70	
MHT1808-1810			SEE SOT1808-1810													
MHT1902	-P	G	MHR	172	172E	80	60	30.0	65.000A	140.000W	110J	.150G	5MA	80V	70	
MHT1903	-P	G	MHR	172	172E	60	45	30.0	65.000A	140.000W	110J	.150G	5MA	60V	70	
MHT1904	-P	G	MHR	172	172E	40	30	20.0	65.000A	140.000W	110J	.150G	5MA	40V	70	
MHT1908-1910			SEE SOT1908-1910													
MHT2002	-P	G	MHR	571	571A	80	60	3.0	65.000A	140.000W	110J	.150G	5MA	80V	70	
MHT2003	-P	G	MHR	571	571A	60	45	3.0	65.000A	140.000W	110J	.150G	5MA	60V	70	
MHT2004	-P	G	MHR	571	571A	40	30	2.0	65.000A	140.000W	110J	.150G	5MA	40V	70	
MHT2008-2010			SEE SOT2008-2010													
MHT2101	-P	G	SOL	390	390A	10	5		150.000A	100.000W	100J	450.000G			80	1.000A
MHT2110	-P	G	SOL	390	390A	10	5		150.000A	100.000W	100J	450.000G			80	1.000A
MHT2111	-P	G	SOL	390	390A	10	5		175.000A	100.000W	100J	450.000G			80	1.000A
MHT2112	-P	G	SOL	390	390A	10	5		200.000A	100.000W	100J	450.000G			80	1.000A
MHT2150	-P	G	SOL	390	390B	10	5		150.000A	100.000W	100J	450.000G			80	1.000A
MHT2151	-P	G	SOL	390	390B	10	5		175.000A	100.000W	100J	450.000G			80	1.000A
MHT2152	-P	G	SOL	390	390B	10	5		200.000A	100.000W	100J	450.000G			80	1.000A
MHT2205	-P	G	SOL	176	176E	10	5	5.0	50.000A	140.000W	110J	.450G	5MA	10V	120	25.000A
MHT2305	-P	G	SOL	403	TO 68	10	5	5.0	65.000A	170.000W	110J	.450G	5MA	10V	120	25.000A
MHT4401	-N	S	MHR	211	TO 5	60	60	5.0		.800W	200J	40.000G	1UA	30V	60	
MHT4402	-N	S	MHR	211	TO 5	120	100	5.0		.800W	200J	40.000G	1UA	60V	60	
MHT4411	-N	S	MHR	211	TO 5	60	40	5.0	.600A	.800W	200J	50.000G	1UA	30V	40	
MHT4412	-N	S	MHR	211	TO 5	60	40	5.0	.600A	.800W	200J	50.000G	1UA	30V	80	
MHT4413	-N	S	MHR	211	TO 5	60	40	5.0	.600A	.800W	200J	50.000G	1UA	30V	160	
MHT4414	-N	S	MHR	211	TO 5	80	60	5.0	.600A	.800W	200J	50.000G	1UA	30V	40	
MHT4415	-N	S	MHR	211	TO 5	80	60	5.0	.600A	.800W	200J	50.000G	1UA	30V	80	
MHT4416	-N	S	MHR	211	TO 5	80	60	5.0	.600A	.800W	200J	50.000G	1UA	30V	160	
MHT4417	-N	S	MHR	211	TO 5	120	80	5.0	.600A	.800W	200J	50.000G	1UA	30V	40	
MHT4418	-N	S	MHR	211	TO 5	120	80	5.0	.600A	.800W	200J	50.000G	1UA	30V	80	
MHT4419	-N	S	MHR	211	TO 5	120	80	5.0	.600A	.800W	200J	50.000G	1UA	30V	160	
MHT4451-4483			SEE SOT4451-4483													
MHT4501	-N	S	MHR	490	490A	60	40	5.0	.600A	10.000W	200J	50.000G	1UA	30V	40	
MHT4502	-N	S	MHR	490	490A	120	50	5.0	.600A	10.000W	200J	40.000G	2UA	60V	60	
MHT4503	-N	S	MHR	490	490A	60	40	5.0	.600A	10.000W	200J	50.000G	1UA	30V	160	
MHT4514	-N	S	MHR	490	490A	80	60	5.0	.600A	10.000W	200J	50.000G	1UA	30V	40	
MHT4515	-N	S	MHR	490	490A	80	60	5.0	.600A	10.000W	200J	50.000G	1UA	30V	80	
MHT4516	-N	S	MHR	490	490A	80	60	5.0	.600A	10.000W	200J	50.000G	1UA	30V	160	
MHT4517	-N	S	MHR	490	490A	120	80	5.0	.600A	10.000W	200J	50.000G	2UA	60V	40	
MHT4518	-N	S	MHR	490	490A	120	80	5.0	.600A	10.000W	200J	50.000G	2UA	60V	80	
MHT4519	-N	S	MHR	490	490A	120	80	5.0	.600A	10.000W	200J	50.000G	2UA	60V	160	
MHT4551-4583			SEE SOT4551-4583													
MHT4611	-N	S	SOL	171	TO 8	60	40	8.0		14.000W	200J	40.000G	1UA	40V	36	1.000A
MHT4612	-N	S	SOL	171	TO 8	80	60	8.0		14.000W	200J	40.000G	1UA	80V	36	1.000A
MHT4613	-N	S	SOL	171	TO 8	100	80	8.0		14.000W	200J	40.000G	1UA	30V	36	1.000A
MHT4614	-N	S	SOL	171	TO 8	60	40	8.0		14.000W	200J	60.000G	1UA	30V	70	1.000A
MHT4615	-N	S	SOL	171	TO 8	80	60	8.0		14.000W	200J	60.000G	1UA	60V	70	1.000A
MHT4616	-N	S	SOL	171	TO 8	100	80	8.0		14.000W	200J	60.000G	1UA	60V	70	1.000A
MHT4617	-N	S	SOL	171	TO 8	60	40	8.0		14.000W	200J	70.000G	1UA	70V	176	1.000A
MHT4618	-N	S	SOL	171	TO 8	80	60	8.0		14.000W	200J	70.000G	1UA	70V	176	1.000A
MHT4619	-N	S	SOL	171	TO 8	100	80	8.0		14.000W	200J	70.000G	1UA	70V	176	1.000A

Transistor Type No.	N, G / / P S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{(BR)CBO}$	$V_{(BR)CEO}$	$V_{(BR)EBO}$	Maximum I_C	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{(BR)CBO}$ @	V_{CB}	Gain h_{FE} @	I_C
MHT5001-5015		SEE SDT5001-5015													
MHT5051-5056		SEE SDT5051-5056													
MHT5501-5515		SEE SDT5501-5515													
MHT5551-5556		SEE SDT5551-5556													
MHT5901-5915		SEE SDT5901-5915													
MHT5951-5956		SEE SDT5951-5956													
MHT6001-6031		SEE SDT6001-6031													
MHT6308-6316		SEE SDT6308-6316													
MHT6408-6416		SEE SDT6408-6416													
MHT7011-7019		SEE SDT7011-7019													
MHT7201-7209		SEE SDT7201-7209													
MHT7401-7419		SEE SDT7401-7419													
MHT7511	-N S	SOL	171	TO 8	60	40	5.0		20.000W	200J	40.000G	1UA	60V	36	5.000A
MHT7512	-N S	SOL	171	TO 8	80	60	5.0		20.000W	200J	40.000G	1UA	60V	36	5.000A
MHT7513	-N S	SOL	171	TO 8	100	80	5.0		20.000W	200J	40.000G	1UA	60V	36	5.000A
MHT7514	-N S	SOL	171	TO 8	60	40	5.0		20.000W	200J	50.000G	1UA	60V	70	5.000A
MHT7515	-N S	SOL	171	TO 8	80	60	5.0		20.000W	200J	50.000G	1UA	60V	70	5.000A
MHT7516	-N S	SOL	171	TO 8	100	80	5.0		20.000W	200J	50.000G	1UA	60V	70	5.000A
MHT7517	-N S	SOL	171	TO 8	60	40	5.0		20.000W	200J	60.000G	1UA	60V	176	5.000A
MHT7518	-N S	SOL	171	TO 8	80	60	5.0		20.000W	200J	60.000G	1UA	60V	176	5.000A
MHT7519	-N S	SOL	171	TO 8	100	80	5.0		20.000W	200J	60.000G	1UA	60V	176	5.000A
MHT7601-7612		SEE SDT7601-7612													
MHT7801-7809		SEE SDT7801-7809													
MHT7901-7910		SEE SDT7901-7910													
MHT8002-8071		SEE SDT8002-8071													
MHT8301-8304		SEE SDT8301-8304													
MHT9001-9012		SEE SDT9001-9012													
MJ400	N S	MOT	605	TO 66	350	325	5.0	.250A	6.670W	175J	15.000G	1MA	325V	110	.050A
MJ413	N S	MOT	605	TO 3	400	400	5.0	10.000A	125.000W	150J	6.000G	250UA	400V	40	.500A
MJ420	N S	MOT	211	TO 5	275	250	6.0	.100A	.800W	175J	30.000G	100UA	275V	90	.030A
MJ421	N S	MOT	211	TO 5	350	325	6.0	.100A	.800W	175J	30.000G	100UA	350V	90	.030A
MJ423	N S	MOT	605	TO 3	400	400	5.0	10.000A	125.000W	150J	5.000G	250UA	400V	52	1.000A
MJ431	N S	MOT	605	TO 3	400	400	5.0	10.000A	125.000W	150J	4.000G	3MA	400V	24	2.500A
MJ432	N S	MOT	605	TO 3		400			125.000W	200J	2.500G			24	2.500A
MJ440	N S	MOT	210	TO 5		40			6.000W	200J	3.000G			63	.250A
MJ450	P S	MOT	605	TO 3		40			150.000W	200J	2.000G			30	10.000A
MJ480	N S	MOT	605	TO 3		40			87.500W	200J	4.000G			80	1.000A
MJ481	N S	MOT	605	TO 3		60			87.500W	200J	4.000G			80	1.000A
MJ490	P S	MOT	605	TO 3		40			87.500W	200J	4.000G			80	1.000A
MJ491	P S	MOT	605	TO 3		60			87.500W	200J	4.000G			80	1.000A
MJ500	P S	MOT	561	TO 59	60	60	5.0	7.000A	60.000W	200J	30.000G	10UA	60V	70	2.000A
MJ501	P S	MOT	561	TO 59	80	80	5.0	7.000A	60.000W	200J	30.000G	10UA	80V	70	2.000A
MJ802	N S	MOT	605	TO 3	100	90	4.0	7.500A	200.000W	200J	2.000G	1MA	100V	50	7.500A
MJ2249	N S	MOT	605	TO 66	60	60	6.0	2.000A	20.000W	175J	30.000G	100UA	60V	87	.030A
MJ2250	N S	MOT	605	TO 66	80	80	6.0	2.000A	20.000W	175J	30.000G	100UA	80V	87	.030A
MJ2251	N S	MOT	605	TO 66		225	6.0	.500A	10.000W	150J	10.000G	100UA	225V	76	.050A
MJ2252	N S	MOT	605	TO 66	300		6.0	.500A	10.000W	150J	10.000G	100UA	300V	76	.050A
MJ2253	P S	MOT	605	TO 66	70	60	7.0	4.000A	25.000W	200J	3.000G	1MA	70V	46	.250A
MJ2254	P S	MOT	605	TO 66	90	80	7.0	4.000A	25.000W	200J	3.000G	1MA	90V	46	.250A
MJ2267	P S	MOT	605	TO 3	40	40	7.0	10.000A	150.000W	200J	3.000G	1MA	40V	32	3.000A
MJ2268	P S	MOT	605	TO 3	55	55	7.0	10.000A	150.000W	200J	3.000G	1MA	60V	32	3.000A
MJ3029	N S	MOT	605	TO 3		500R	5.0	3.500A	125.000W	150J	AUO	1MA	500V	6	3.000A
MJ3030	N S	MOT	605	TO 3		700X	5.0	3.500A	125.000W	150J	AUO	2MA	700V	45	.400A
MJ3101	N S	MOT	605	TO 66	50	40	6.0	2.000A	20.000W	175J	30.000G	100UA	50V	87	.030A
MJ3201	N S	MOT	605	TO 66	225	225	3.0	.100A	15.000W	175J	15.000G	100UA	225V	80	.050A
MJ3202	N S	MOT	605	TO 66	300	300	3.0	.100A	15.000W	175J	15.000G	100UA	300V	80	.050A
MJ3701	P S	MOT	605	TO 66	50	40	5.0	4.000A	25.000W	200J	3.000G	1MA	50V	46	.250A
MJ3771	N S	MOT	605	TO 3	50	40	5.0	30.000A	150.000W	200J	2.000G	2MA	50V	30	15.000A
MJ3772	N S	MOT	605	TO 3	100	60	7.0	20.000A	150.000W	200J	2.000G	5MA	100V	30	10.000A
MJ4502	P S	MOT	605	TO 3	100	90	4.0	30.000A	200.000W	200J	2.000G	1MA	100V	50	7.500A
MJ6700	P S	MOT	560	TO 59	60	60	5.0	7.000A	60.000W	200J	30.000G	10UA	60V	70	2.000A
MJ6701	P S	MOT	560	TO 59	80	80	5.0	7.000A	60.000W	200J	30.000G	10UA	80V	70	2.000A
MJ7000	N S	MOT	561	TO 63	100	100	7.0	30.000A	150.000W	200J	30.000G	5UA	100V	45	10.000A
MJ7200	N S	MOT	563	TO114	100	80	6.0	60.000A	300.000W	200J	20.000G	100UA	100V	45	20.000A
MJ7201	N S	MOT	563	TO114	120	100	6.0	60.000A	300.000W	200J	20.000G	100UA	120V	45	20.000A
MJ8100	P S	MOT	210	TO 39	60	80	5.0	5.000A	10.000W	200J	30.000G	10UA	60V	70	2.000A
MJ8101	P S	MOT	210	TO 39	60	80	5.0	5.000A	10.000W	200J	30.000G	10UA	80V	70	2.000A
MJE105	P S	MOT	48	48B	50	50	4.0	5.000A	65.000W	150J	AUO	100UA	50V	50	2.000A
MJE205	N S	MOT	48	48B	50	50	4.0	5.000A	65.000W	150J	AUO	100UA	50V	50	2.000A
MJE340	N S	MOT	48	48A		300	3.0	.500A	20.800W	150J	AUO	100UA	300V	90	.050A
MJE370	P S	MOT	48	48A	30	30	4.0	3.000A	25.000W	150J	AUO	100UA	30V	38	1.000A
MJE371	P S	MOT	48	48A	40	40	4.0	3.000A	40.000W	150J	AUO	100UA	40V	60	1.000A
MJE520	N S	MOT	48	48A	30	30	4.0	3.000A	25.000W	150J	AUO	100UA	30V	38	1.000A
MJE521	N S	MOT	48	48A	40	40	4.0	3.000A	40.000W	150J	AUO	100UA	40V	60	.100A
MJE2801	N S	MOT	48	48B	60	60	4.0	10.000A	90.000W	150J	AUO	100UA	60V	50	3.000A
MJE2901	P S	MOT	48	48B	60	60	4.0	10.000A	90.000W	150J	AUO	100UA	60V	50	3.000A
MJE2955	P S	MOT	48	48B	70	60	5.0	10.000A	90.000W	150J	2.000G	1MA	70V	38	4.000A
MJE3055	N S	MOT	48	48B	70	60	5.0	10.000A	90.000W	150J	2.000G	1MA	70V	37	4.000A
MM380	P G	MOT	211	TO 18	25	10	.3		.250W	100J	400.000G	10UA	10V	50	.003A
MM709	N S	MOT	211	TO 52	15	8	4.0	.100A	.400W	200J	300.000G	15NA	5V	45	.010A
MM1139	P G	MOT	217	TO 72	30	15	.3		.125W	100J	400.000G	8UA	20V	24	.002A
MM1500	N S	MOT	120	120H	30	15	4.0	.200A	3.500W	200J	1500.000G	100NA	20V		
MM1501	N S	MOT	120	120H	30	15	4.0	.200A	3.500W	200J	1000.000G	100NA	20V		
MM1549		SEE RF POWER SECTION													
MM1550		SEE RF POWER SECTION													
MM1551		SEE RF POWER SECTION													
MM1557		SEE RF POWER SECTION													
MM1558		SEE RF POWER SECTION													
MM1559		SEE RF POWER SECTION													
MM1601		SEE 2N5589													
MM1602		SEE 2N5590													

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
MM1603			SEE RF POWER SECTION													
MM1748	N	S	MOT	211	TO 52	15	6	4.0	.100A	.300W	200J	600.000G	50NA	5V	50	.010A
MM1941	N	S	MOT	210	TO 18	30	30S	3.0	.200A	.300W	175J	600.000G	100NA	15V	50	.010A
MM1943	-N	S	MOT	210	TO 18	40	40S	3.0	.200A	.300W	175J	500.000G	100NA	15V	50	.010A
MM2258	N	S	MOT	211	TO 5	120	120	5.0	.500A	1.000W	200J	150.000G	50NA	75V	100	.010A
MM2259	N	S	MOT	211	TO 5	175	175	5.0	.300A	1.000W	200J	150.000G	50NA	75V	70	.010A
MM2260	N	S	MOT	211	TO 5	175	175	5.0	.300A	1.000W	200J	150.000G	50NA	75V	100	.010A
MM2264	-N	S	MOT	211	TO 5		25		1.500A	1.100W	200J	50.000G	500NA	25V	140	.150A
MM2483	N	S	MOT	211	TO 18	60	60	6.0	.050A	.360W	200J	600.000G	10NA	45V	70	.001A
MM2484	N	S	MOT	211	TO 18	60	60	6.0	.050A	.360W	200J	600.000G	10NA	45V	225	.001A
MM2894	P	S	MOT	211	TO 18	15	12	4.5		.360W	200J	400.000G	80NA	6V	70	.030A
MM3000	N	S	MOT	210	TO 39		100	5.0	.400A	1.000W	200J	150.000G	1UA	50V	30	.010A
MM3001	N	S	MOT	210	TO 39		150	5.0	.400A	1.000W	200J	150.000G	1UA	75V	30	.010A
MM3002	N	S	MOT	210	TO 39		200	5.0	.400A	1.000W	200J	150.000G	5UA	100V	30	.010A
MM3003	N	S	MOT	210	TO 39		250	5.0	.400A	1.000W	200J	150.000G	5UA	100V	30	.010A
MM3008	N	S	MOT	210	TO 39		120	6.0	.400A	1.000W	200J	50.000G	100NA	120V	60	.010A
MM3009	N	S	MOT	210	TO 39		180	6.0	.400A	1.000W	200J	50.000G	100NA	180V	60	.010A
MM3724	N	S	MOT	211	TO 5	40	30	6.0	1.500A	1.000W	200J	200.000G	500NA	40V	62	.500A
MM3725	N	S	MOT	211	TO 5		50	6.0	1.500A	1.000W	200J	200.000G	500NA	40V	62	.500A
MM3726	P	S	MOT	211	TO 5		50	5.0	1.500A	1.000W	200J	200.000G	100NA	40V	60	.500A
MM3903	N	S	MOT	210	TO 52	60	40	6.0	.200A	.360W	200J	250.000G	50NA	30V	88	.010A
MM3904	N	S	MOT	210	TO 52	60	40	6.0	.200A	.360W	200J	300.000G	50NA	30V	175	.010A
MM3905	P	S	MOT	210	TO 52	40	40	5.0	.200A	.360W	200J	200.000G	50NA	30V	88	.010A
MM3906	P	S	MOT	210	TO 52	40	40	5.0	.200A	.360W	200J	250.000G	50NA	30V	175	.010A
MM4000	P	S	MOT	211	TO 39	100	100	4.0	.100A	.600W	200J		1UA	50V	30	.010A
MM4001	P	S	MOT	211	TO 39	150	150	4.0	.500A	1.000W	200J		1UA	75V	30	.010A
MM4002	P	S	MOT	211	TO 39	200	200	4.0	.500A	1.000W	200J		1UA	100V	30	.010A
MM4003	P	S	MOT	211	TO 39	250	250	4.0	.500A	1.000W	200J		5UA	100V	30	.010A
MM4048	P	S	MOT	211	TO 18	45	45	5.0	.050A	.360W	200J	100.000G	10NA	30V	260	.001A
MM4052	P	S	MOT	210	TO 46	30	30	30.0	.500A	.500W	200J	12.000G	1NA	15V	23	.150A
MM4261H	P	S	MOT	217	TO 72	15	15	4.5	.030A	.200W	200J	1500.000G	5NA	10V	68	.010A
MM4429			SEE RF POWER SECTION													
MM4430			SEE RF POWER SECTION													
MM5000	P	G	MOT	217	TO 72	30	15	.3	.010A	.150W	100J	800.000G			60	.003A
MM5001	P	G	MOT	217	TO 72	30	15	.3	.010A	.150W	100J	800.000G			60	.003A
MM5002	P	G	MOT	217	TO 72	30	15	.3	.010A	.150W	100J	800.000G			60	.003A
MM8000	N	S	MOT	210	TO 39	40	30	3.5	.400A	3.500W	200J	1000.000G	20UA	28V	45	.050A
MM8001	N	S	MOT	210	TO 39	40	30	3.5	.400A	3.500W	200J	1000.000G	20UA	28V	45	.050A
MM8002	N	S	MOT	210	TO 39	40	30	3.5	.400A	3.500W	200J	1000.000G	20UA	28V	45	.050A
MM8003	N	S	MOT	962	962C	40	30	3.5	.400A	5.000W	200J	1000.000G	20UA	28V	45	.050A
MM8006	N	S	MOT	217	TO 72	15	10	3.0	.020A	.200W	200J	1000.000G	10NA	6V	38	.001A
MM8007	N	S	MOT	217	TO 72	15	10	3.0	.020A	.200W	200J	1000.000G	10NA	6V	38	.001A
MM8008	N	S	MOT	120	TO107	35	30	3.0	.100A	3.500W	200J	1100.000G	100UA	20V		
MM8009	N	S	MOT	210	TO 39	55	50	3.0	.400A	3.500W	200J	1000.000G	100UA	15V		
MM8010	N	S	MOT	120	TO107	35	30	3.0	.100A	3.500W	200J	1100.000G	100UA	20V		
MM8011	N	S	MOT	120	TO107	35	30	3.0	.100A	3.500W	200J	1100.000G	100UA	20V		
MMT918	N	S	MOT	916	916A	30	15	3.0	.050A	.225W	135J	600.000G	10NA	15V	30	.003A
MMT930	N	S	MOT	916	916A	60	45	6.0	.050A	.225W	135J	600.000G	10NA	45V	225	.001A
MMT2222	N	S	MOT	916	916A	60	30	5.0		.225W	135J	200.000G	50NA	50V	175	.150A
MMT2369	N	S	MOT	916	916A	40	15	4.5	.200A	.225W	135J	500.000G	100NA	20V	70	.010A
MMT2484	N	S	MOT	916	916A	60	60	6.0	.050A	.225W	135J	600.000G	10NA	45V	375	.001A
MMT2857	N	S	MOT	916	916A	30	15	3.0	.040A	.225W	135J	1000.000G	50NA	15V	45	.030A
MMT2907	P	S	MOT	916	916A	60	40	5.0	.600A	.225W	135J	200.000G	50NA	50V	175	.150A
MMT3014	N	S	MOT	916	916A	40	20	5.0	.200A	.225W	135J	350.000G	100NA	20V	100	.030A
MMT3546	P	S	MOT	916	916A	15	12	4.5	.250A	.225W	135J	700.000G	100NA	10V	45	.010A
MMT3798	P	S	MOT	916	916A	60	60	3.0	.050A	.225W	135J	40.000G	50NA	50V	260	.001A
MMT3799	P	S	MOT	916	916A	60	60	3.0	.050A	.225W	135J	40.000G	50NA	50V	525	.001A
MMT3903	N	S	MOT	916	916A	60	40	6.0	.200A	.225W	135J	250.000G	50NA	40V	88	.010A
MMT3904	N	S	MOT	916	916A	60	40	6.0	.200A	.225W	135J	300.000G	50NA	40V	176	.010A
MMT3905	P	S	MOT	916	916A	40	40	5.0	.200A	.225W	135J	200.000G	50NA	30V	88	.010A
MMT3906	P	S	MOT	916	916A	40	40	5.0	.200A	.225W	135J	250.000G	50NA	30V	176	.010A
MMT3960A	N	S	MOT	916	916A	15	8	3.0		.225W	135J	1600.000G	50NA	10V	80	.010A
MN21			SEE 2N375													
MN24			SEE 2N350													
MN25			SEE 2N351													
MN26			SEE 2N376													
MN29			SEE 2N555													
MN48			SEE 2N669													
MN49			SEE 2N618													
MN61A			SEE 2N627													
MN62A			SEE 2N628													
MN63A			SEE 2N629													
MN64A			SEE 2N630													
MP110	P	G	MOT	605	TO 3		65X		7.000A	106.000W	110J	.320G	2MA	40V	136	1.000A
MP110B-BLU	P	G	MOT	605	TO 3	90	40	2.0	25.000A	106.000W	110J	.500G	20MA	90V	225	1.000A
MP110B-GRN	P	G	MOT	605	TO 3	90	40	2.0	25.000A	106.000W	110J	.500G	20MA	90V	150	1.000A
MP110B-REO	P	G	MOT	605	TO 3	90	40	2.0	25.000A	106.000W	110J	.500G	20MA	90V	95	1.000A
MP500	P	G	MOT	405	TO 36	45	30	25.0	60.000A	170.000W	110J	.002E	4MA	45V	46	15.000A
MP500A	P	G	MOT	405	TO 36	45	30	25.0	60.000A	170.000W	110J	.002E	4MA	45V	46	15.000A
MP501	P	G	MOT	405	TO 36	60	45	30.0	60.000A	170.000W	110J	.002E	4MA	60V	46	15.000A
MP501A	P	G	MOT	405	TO 36	60	45	30.0	60.000A	170.000W	110J	.002E	4MA	60V	46	15.000A
MP502	P	G	MOT	405	TO 36	75	60	40.0	60.000A	170.000W	110J	.002E	4MA	75V	46	15.000A
MP502A	P	G	MOT	405	TO 36	75	60	40.0	60.000A	170.000W	110J	.002E	4MA	75V	46	15.000A
MP504	P	G	MOT	405	TO 36	45	30	25.0	60.000A	170.000W	110J	.002E	4MA	45V	62	15.000A
MP504A	P	G	MOT	405	TO 36	45	30	25.0	60.000A	170.000W	110J	.002E	4MA	45V	62	15.000A
MP505	P	G	MOT	405	TO 36	60	45	30.0	60.000A	170.000W	110J	.002E	4MA	60V	62	15.000A
MP505A	P	G	MOT	405	TO 36	60	45	30.0	60.000A	170.000W	110J	.002E	4MA	60V	62	15.000A
MP506	P	G	MOT	405	TO 36	75	60	40.0	60.000A	170.000W	110J	.002E	4MA	75V	62	15.000A
MP506A	P	G	MOT	405	TO 36	75	60	40.0	60.000A	170.000W	110J	.002E	4MA	75V	62	15.000A
MP525-1	P	G	MOT	605	TO 3		60		7.000A	106.000W	110J	AUO	200UA	2V	38	3.000A
MP525-2	P	G	MOT	605	TO 3		60		7.000A	106.000W	110J	AUO	200UA	2V	50	3.000A
MP525-3	P	G	MOT	605	TO 3		60		7.000A	106.000W	110J	AUO	200UA	2V	58	3.000A
MP525-4	P	G	MOT	605	TO 3		60		7.000A	106.000W	110J	AUO	200UA	2V	76	3.000A
MP525-5	P	G	MOT	605	TO 3		60		7.000A	106.000W	110J	AUO	200UA	2V	100	3.000A
MP525-6	P	G	MOT	605	TO 3		60X		7.000A	106.000W	110J	AUO	200UA	2V	126	3.000A
MP600	P	G	MOT	605	TO 3	75	50	1.5	25.000A	85.000W	110J	LS SW	10MA	75V	75	5.000A
MP601	P	G	MOT	605	TO 3	75	60	1.5	25.000A	85.000W	110J	LS SW	10MA	75V	75	5.000A
MP602	P	G	MOT	605	TO 3	90	70	1.5	25.000A	85.000W	110J	LS SW	10MA	90V	75	5.000A
MP603	P	G	MOT	605	TO 3	90	80	1.5	25.000A	85.000W	110J	LS SW	10MA	90V	75	5.000A
MP1529	P	G	MOT	607	TO 41	40	20	20.0	5.000A	90.000W	100J	.010E	2MA	25V	30	
MP1529A	P	G	MOT	607	TO 41	40	20	20.0	5.000A	106.000W	110J	.004E	2MA	25V	30	3.000A
MP1530	P	G	MOT	607	TO 41	60	30	30.0	5.000A	90.000W	100J	.010E	2MA	40V	30	
MP1530A	P	G	MOT	607	TO 41	60	30	30.0	5.000A	106.000W	110J	.004E	2MA	40V	30	3.000A
MP1531	P	G	MOT	607	TO 41	80	40	40.0	5.000A	90.000W	100J	.010E	2MA	55V	30	
MP1531A	P	G	MOT	607	TO 41	80	40	40.0	5.000A	106.000W	110J	.004E	2MA	55V	30	3.000A
MP1532	P	G	MOT	607	TO 41	100	50	50.0	5.000A	90.000W	100J	.010E	2MA	65V	30	
MP1532A	P	G	MOT	607	TO 41	100	50	50.0	5.000A	106.000W	110J	.004E	2MA	65V	30	3.000A
MP1533	P	G	MOT	607	TO 41	120	60	60.0	5.000A	90.000W	100J	.010E	2MA	80V	30	
MP1534	P	G	MOT	607	TO 41	40	20	20.0	5.000A	90.000W	100J	.008E	2MA	25V	52	

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
MP1543	P	G	MOT	607	TO 41	120	60	12.0	5.000A	90.000W	100J	.150G	2MA	80V	75	
MP1544A	P	G	MOT	607	TO 41	40	20	20.0	5.000A	90.000W	100J	.004E	2MA	25V	100	3.000A
MP1545A	P	G	MOT	607	TO 41	60	30	30.0	5.000A	90.000W	100J	.004E	2MA	40V	100	3.000A
MP1546A	P	G	MOT	607	TO 41	80	40	40.0	5.000A	90.000W	100J	.004E	2MA	55V	100	3.000A
MP1547A	P	G	MOT	607	TO 41	100	50	50.0	5.000A	90.000W	100J	.994E	2MA	65V	100	3.000A
MP1534A	P	G	MOT	607	TO 41	40	20	20.0	5.000A	106.000W	110J	.004E	2MA	25V	52	3.000A
MP1535	P	G	MOT	607	TO 41	60	30	30.0	5.000A	90.000W	100J	.008E	2MA	40V	52	
MP1535A	P	G	MOT	607	TO 41	60	30	30.0	5.000A	106.000W	110J	.004E	2MA	40V	52	3.000A
MP1536	P	G	MOT	607	TO 41	80	40	40.0	5.000A	90.000W	100J	.008E	2MA	55V	52	
MP1536A	P	G	MOT	607	TO 41	80	40	40.0	5.000A	106.000W	110J	.004E	2MA	55V	52	3.000A
MP1537	P	G	MOT	607	TO 41	100	50	50.0	5.000A	90.000W	100J	.008E	2MA	65V	52	
MP1537A	P	G	MOT	607	TO 41	100	50	50.0	5.000A	106.000W	110J	.004E	2MA	65V	52	3.000A
MP1538	P	G	MOT	607	TO 41	120	60	60.0	5.000A	90.000W	100J	.008E	2MA	80V	52	
MP1539A	P	G	MOT	607	TO 41	40	20	20.0	5.000A	90.000W	100J	.004E	2MA	25V	74	3.000A
MP1540A	P	G	MOT	607	TO 41	60	30	30.0	5.000A	90.000W	100J	.004E	2MA	40V	74	3.000A
MP1541A	P	G	MOT	607	TO 41	80	40	40.0	5.000A	90.000W	100J	.004E	2MA	55V	74	3.000A
MP1542A	P	G	MOT	607	TO 41	100	50	50.0	5.000A	90.000W	100J	.004E	2MA	65V	74	3.000A
MP1548	P	G	MOT	607	TO 41	120	60	12.0	5.000A	90.000W	100J	.004E	2MA	80V	110	3.000A
MP1549	P	G	MOT	607	TO 41	40	20	20.0	15.000A	90.000W	100J	.010E	3MA	25V	20	10.000A
MP1549A	P	G	MOT	607	TO 41	40	20	20.0	15.000A	90.000W	100J	.010E	3MA	25V	20	10.000A
MP1550	P	G	MOT	607	TO 41	60	30	30.0	15.000A	90.000W	100J	.010E	3MA	40V	20	10.000A
MP1550A	P	G	MOT	607	TO 41	60	30	30.0	15.000A	90.000W	100J	.010E	3MA	40V	20	10.000A
MP1551	P	G	MOT	607	TO 41	80	40	40.0	15.000A	90.000W	100J	.010E	3MA	55V	20	10.000A
MP1551A	P	G	MOT	607	TO 41	80	40	40.0	15.000A	90.000W	100J	.010E	3MA	55V	20	10.000A
MP1552	P	G	MOT	607	TO 41	100	50	50.0	15.000A	90.000W	100J	.010E	3MA	65V	20	10.000A
MP1552A	P	G	MOT	607	TO 41	100	50	50.0	15.000A	90.000W	100J	.010E	3MA	65V	20	10.000A
MP1553	P	G	MOT	607	TO 41	40	20	20.0	15.000A	90.000W	100J	.006E	3MA	25V	44	10.000A
MP1553A	P	G	MOT	607	TO 41	40	20	20.0	15.000A	90.000W	100J	.006E	3MA	25V	44	10.000A
MP1554	P	G	MOT	607	TO 41	60	30	30.0	15.000A	90.000W	100J	.006E	3MA	40V	44	10.000A
MP1554A	P	G	MOT	607	TO 41	60	30	30.0	15.000A	90.000W	100J	.006E	3MA	40V	44	10.000A
MP1555	P	G	MOT	607	TO 41	80	40	40.0	15.000A	90.000W	100J	.006E	3MA	55V	44	10.000A
MP1555A	P	G	MOT	607	TO 41	80	40	40.0	15.000A	90.000W	100J	.006E	3MA	55V	44	10.000A
MP1556	P	G	MOT	607	TO 41	100	50	50.0	15.000A	90.000W	100J	.006E	3MA	65V	44	10.000A
MP1556A	P	G	MOT	607	TO 41	100	50	50.0	15.000A	90.000W	100J	.006E	3MA	65V	44	10.000A
MP1557	P	G	MOT	607	TO 41	40	20	20.0	15.000A	90.000W	100J	.005E	3MA	25V	70	10.000A
MP1557A	P	G	MOT	607	TO 41	40	20	20.0	15.000A	90.000W	100J	.005E	3MA	25V	74	10.000A
MP1558	P	G	MOT	607	TO 41	60	30	30.0	15.000A	90.000W	100J	.005E	3MA	40V	70	10.000A
MP1558A	P	G	MOT	607	TO 41	60	30	30.0	15.000A	90.000W	100J	.005E	3MA	40V	74	10.000A
MP1559	P	G	MOT	607	TO 41	80	40	40.0	15.000A	90.000W	100J	.005E	3MA	55V	70	10.000A
MP1559A	P	G	MOT	607	TO 41	80	40	40.0	15.000A	90.000W	100J	.005E	3MA	55V	74	10.000A
MP1560	P	G	MOT	607	TO 41	100	50	50.0	15.000A	90.000W	100J	.005E	3MA	65V	70	10.000A
MP1560A	P	G	MOT	607	TO 41	100	50	50.0	15.000A	90.000W	100J	.005E	3MA	65V	74	10.000A
MP1612	P	G	MOT	605	TO 3	100	50	2.5	20.000A	85.000W	200J	HOR AMP	10MA	80V	50	10.000A
MP1612A	P	G	MOT	605	TO 3	140	75	2.5	20.000A	85.000W	110J	HOR AMP	10MA	120V	50	10.000A
MP1612B	P	G	MOT	605	TO 3	160	100	2.5	20.000A	85.000W	110J	HOR AMP	10MA	140V	50	10.000A
MP1613	P	G	MOT	605	TO 3	100	75	5.0	7.000A	85.000W	110J		5MA	100V	120	.050A
MP2000A	P	G	MOT	605	TO 3		30	2.0	25.000A	106.000W	110J	.210G	10MA	60V	37	8.000A
MP2060	P	G	MOT	605	TO 3	40	25	20.0	7.000A	85.000W	110C	.300G	1MA	25V	80	3.000A
MP2061	P	G	MOT	605	TO 3	60	35	20.0	7.000A	85.000W	110C	.300G	1MA	35V	80	3.000A
MP2062	P	G	MOT	605	TO 3	75	50	20.0	7.000A	85.000W	110C	.300G	1MA	40V	80	3.000A
MP2063	P	G	MOT	605	TO 3	90	60	20.0	7.000A	85.000W	110C	.300G	1MA	60V	80	3.000A
MP2100A	P	G	MOT	605	TO 3		60	2.0	25.000A	106.000W	110J	.210G	10MA	80V	37	8.000A
MP2137A	P	G	MOT	607	TO 41	30	20	15.0		70.000W	110J	.020E	50UA	2V	22	2.000A
MP2138A	P	G	MOT	607	TO 41	45	30	25.0		70.000W	110J	.020E	50UA	2V	22	2.000A
MP2139A	P	G	MOT	607	TO 41	60	45	30.0		70.000W	110J	.020E	50UA	2V	22	2.000A
MP2140A	P	G	MOT	607	TO 41	75	60	40.0		70.000W	110J	.020E	50UA	2V	22	2.000A
MP2141A	P	G	MOT	607	TO 41	90	65	45.0		70.000W	110J	.020E	50UA	2V	22	2.000A
MP2142A	P	G	MOT	607	TO 41	30	20	15.0		70.000W	110J	.020E	50UA	2V	33	2.000A
MP2143A	P	G	MOT	607	TO 41	45	30	25.0		70.000W	110J	.020E	50UA	2V	33	2.000A
MP2144A	P	G	MOT	607	TO 41	60	45	30.0		70.000W	110J	.020E	50UA	2V	33	2.000A
MP2145A	P	G	MOT	607	TO 41	75	60	40.0		70.000W	110J	.020E	50UA	2V	33	2.000A
MP2146A	P	G	MOT	607	TO 41	90	65	45.0		70.000W	110J	.020E	50UA	2V	33	2.000A
MP2200A	P	G	MOT	605	TO 3		80	2.0	25.000A	106.000W	110J	.210G	10MA	100V	37	8.000A
MP2300A	P	G	MOT	605	TO 3		100	2.0	25.000A	106.000W	110J	.210G	10MA	120V	37	8.000A
MP2400A	P	G	MOT	605	TO 3		120	2.0	25.000A	106.000W	110J	.210G	10MA	140V	37	8.000A
MP2526	P	G	MOT	607	TO 41	80	80	5.0	10.000A	85.000W	110J	.010E	3MA	80V	36	3.000A
MP2527	P	G	MOT	607	TO 41	120	120	5.0	10.000A	85.000W	110J	.010E	3MA	120V	36	3.000A
MP2528	P	G	MOT	607	TO 41	160	160	5.0	10.000A	85.000W	110J	.010E	3MA	160V	36	3.000A
MP2832	P	G	MOT	607	TO 41	80	50	2.0	20.000A	85.000W	110J	10.000G	10MA	80V	75	1.000A
MP2833	P	G	MOT	607	TO 41	120	75	2.0	20.000A	85.000W	110J	10.000G	10MA	120V	75	1.000A
MP2834	P	G	MOT	607	TO 41	140	100	2.0	20.000A	85.000W	110J	10.000G	10MA	140V	75	1.000A
MP3611	P	G	MOT	607	TO 41	40	25	20.0	7.000A	85.000W	110J	.300G	5MA	40V	50	3.000A
MP3612	P	G	MOT	607	TO 41	60	35	30.0	7.000A	85.000W	110J	.300G	5MA	60V	50	3.000A
MP3613	P	G	MOT	607	TO 41	40	25	20.0	7.000A	85.000W	110J	.300G	5MA	40V	80	3.000A
MP3614	P	G	MOT	607	TO 41	60	35	30.0	7.000A	85.000W	110J	.300G	5MA	60V	80	3.000A
MP3615	P	G	MOT	607	TO 41	80	50	40.0	7.000A	85.000W	110J	.300G	5MA	80V	40	3.000A
MP3616	P	G	MOT	607	TO 41	100	60	50.0	7.000A	85.000W	110J	.300G	5MA	100V	40	3.000A
MP3617	P	G	MOT	607	TO 41	80	50	40.0	7.000A	85.000W	110J	.300G	5MA	80V	60	3.000A
MP3618	P	G	MOT	607	TO 41	100	60	50.0	7.000A	85.000W	110J	.300G	5MA	100V	60	3.000A
MP3730	P	G	MOT	605	TO 3	200	200	2.0	5.000A	56.000W	110J	1.000G	5MA	200V	65	2.250A
MP3731	P	G	MOT	605	TO 3	320	320	2.0	10.000A	56.000W	110J	1.000G	10MA	320V	65	6.000A
MP5435	P	G	MOT	605	TO 41	80	60	2.5	60.000A	120.000W	110J	.350G	10MA	80V	35	25.000A
MP5436	P	G	MOT	605	TO 41	110	90	2.5	60.000A	120.000W	110J	.350G	10MA	110V	35	25.000A
MP5437	P	G	MOT	605	TO 41	140	120	2.5	60.000A	120.000W	110J	.350G	10MA	140V	35	25.000A
MP5438	P	G	MOT	605	TO 41	80	60	2.5	60.000A	120.000W	110J	.350G	10MA	80V	70	25.000A
MP5439	P	G	MOT	605	TO 41	110	90	2.5	60.000A	120.000W	110J	.350G	10MA	110V	70	25.000A
MP5440	P	G	MOT	605	TO 41	140	120	2.5	60.000A	120.000W	110J	.350G	10MA	140V	70	25.000A
MPM5006	N	S	MOT	41	TO 92	40	40	4.0	.100A	.310W	135J	400.000G	50NA	20V	48	.004A
MPN350			M.P. PN350													
MPS404	P	S	MOT	41	TO 92	25	24	1.2	.150A	.310W	135J	40.000B	100NA	10V	130	.012A
MPS404A	P	S	MOT	41	TO 92	40	35	2.5	.150A	.310W	135J	40.000B	100NA	10V	75	.012A
MPS706	N	S	MOT	41	TO 92	25	20R	3.0		.310W	135J	200.000G	500NA	15V	35	.010A
MPS706A	N	S	MOT	41	TO 92	25	20R	5.0		.310W	135J	200.000G	500NA	15V	35	.010A
MPS8134	N	S	MOT	41	TO 92	40	30S	5.0	.200A	.310W	135J	350.000G	500NA	20V	37	.010A
MPS918	N	S	MOT	41	TO 92	30	15	3.0	.100A	.310W	135J	600.000G	10NA	15V	30	.003A
MPS2369	N	S	MOT	41	TO 92	40	15	4.5	.500A	.310W	135J	500.000G	400NA	20V	70	.010A
MPS2711	N	S	MOT	41	TO 92	18	18	5.0	.100A	.310W	135J	AUD	500NA	18V	70	.002A
MPS2712	N	S	MOT	41	TO 92	18	18	5.0	.100A	.310W	135J	AUD	500NA	18V	130	.002A
MPS2713	N	S	MOT	41	TO 92	18	18	5.0	.200A	.310W	135J	125.000G	500NA	18V	60	.002A
MPS2714	N	S	MOT	41	TO 92	18	18	5.0	.200A	.310W	135J	125.000G	500NA	18V	150	.002A
MPS2923	N	S	MOT	41	TO 92	25	25	5.0	.100A	.200W	100J		500NA	25V	135	.002A
MPS2924	N	S	MOT	41	TO 92	25	25	5.0	.100A	.200W	100J		500NA	25V	225	.002A
MPS2925	N	S	MOT	41	TO 92	25	25	5.0	.100A	.200W	100J		500NA	25V	353	.002A
MPS2926-BRN	N	S	MOT	41	TO 92	18	18	5.0	.100A	.310W	135J	300.000G	500NA	18V	36	.002A
MPS2926-GRN	N	S	MOT	41	TO 92	18	18	5.0	.100A	.310W	135J	300.000G	500NA	18V	215	.002A
MPS2926-ORG	N	S	MOT	41	TO 92	18	18	5.0	.100A	.310W	135J	300.000G	500NA	18V	115	.002A
MPS2926-RED	N	S	MOT	41	TO 92	18	18	5.0	.100A	.310W	135J	300.000G	500NA	18V	62	.002A
MPS2926-YEL	N	S	MOT	41	TO 92	18	18	5.0	.100A	.310W	135J	300.000G	500NA	18V	155	.002A
MPS3392	N	S	MOT	41	TO 92	25	25	5.0	.100A	.310W	135J	AUD	100NA	18V	275	.002A

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{(...)}$			Maximum $I_{...}$	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{...}$ @ $V_{...}$		Gain h_{FE} @ $I_{...}$	
MPS3393	N	S	MOT	41	TO 92	25	25	5.0	.100A	.310W	135J	AUD	100NA	18V	190	.002A
MPS3394	N	S	MOT	41	TO 92	25	25	5.0	.100A	.310W	135J	AUD	100NA	18V	130	.002A
MPS3395	N	S	MOT	41	TO 92	25	25	5.0	.100A	.310W	135J	AUD	100NA	18V	350	.002A
MPS3563	N	S	MOT	41	TO 92	30	12	2.0		.310W	135J	600.000G	50NA	15V	70	.008A
MPS3638	P	S	MOT	41	TO 92	25	25	4.0	.500A	.310W	135J	100.000G	35NA	15V	60	.050A
MPS3638A	P	S	MOT	41	TO 92	25	25	4.0	.500A	.310W	135J	150.000G	35NA	15V	200	.050A
MPS3639	P	S	MOT	41	TO 92	6	6	4.0	.080A	.200W	125J	500.000G	10NA	3V	60	.050A
MPS3640	P	S	MOT	41	TO 92	12	12	4.0	.080A	.310W	135J	500.000G	10NA	6V	60	.010A
MPS3646	N	S	MOT	41	TO 92	40	15	5.0	.200A	.200W	125J	350.000G	500NA	20V	60	.030A
MPS3693	N	S	MOT	41	TO 92	45	45	4.0		.310W	135J	200.000G	50NA	35V	80	.010A
MPS3694	N	S	MOT	41	TO 92	45	45	4.0		.310W	135J	200.000G	50NA	35V	200	.010A
MPS3702	P	S	MOT	41	TO 92	40	25	5.0	.200A	.310W	135J	100.000G	100NA	20V	130	.050A
MPS3703	P	S	MOT	41	TO 92	50	30	5.0	.200A	.310W	135J	100.000G	100NA	20V	68	.050A
MPS3704	N	S	MOT	41	TO 92	50	30	5.0	.600A	.310W	135J	100.000G	100NA	20V	180	.050A
MPS3705	N	S	MOT	41	TO 92	50	30	5.0	.600A	.310W	135J	100.000G	100NA	20V	88	.050A
MPS3706	N	S	MOT	41	TO 92	40	20	5.0	.600A	.310W	135J	100.000G	100NA	20V	180	.050A
MPS3707	N	S	MOT	41	TO 92	30	30	6.0	.030A	.310W	135J	AUO	100NA	20V	200	.001A
MPS3708	N	S	MOT	41	TO 92	30	30	6.0	.030A	.310W	135J	AUO	100NA	20V	210	.001A
MPS3709	N	S	MOT	41	TO 92	30	30	6.0	.030A	.310W	135J	AUO	100NA	20V	86	.001A
MPS3710	N	S	MOT	41	TO 92	30	30	6.0	.030A	.310W	135J	AUO	100NA	20V	172	.001A
MPS3711	N	S	MOT	41	TO 92	30	30	6.0	.030A	.310W	135J	AUD	100NA	20V	345	.001A
MPS3826	N	S	MOT	41	TO 92	60	45	4.0	.030A	.310W	135J	200.000G	100NA	30V	80	.010A
MPS3827	N	S	MOT	41	TO 92	60	45	4.0	.030A	.310W	135J	200.000G	100NA	30V	200	.010A
MPS5172	N	S	MOT	41	TO 92	25	25	5.0	.100A	.210W	135J	120.000G	100NA	25V	225	.010A
MPS6507	N	S	MOT	41	TO 92	30	20	3.0	.100A	.310W	135J	700.000G	50NA	15V	50	.002A
MPS6511	N	S	MOT	41	TO 92	30	20	3.0	.100A	.310W	135J	200.000G	50NA	15V	50	.010A
MPS6512	N	S	MOT	41	TO 92	40	30	4.0	.100A	.310W	135J	250.000G	50NA	30V	70	.002A
MPS6513	N	S	MOT	41	TO 92	40	30	4.0	.100A	.310W	135J	250.000G	50NA	30V	130	.002A
MPS6514	N	S	MOT	41	TO 92	40	25	4.0	.100A	.310W	135J	390.000G	50NA	30V	270	.002A
MPS6515	N	S	MOT	41	TO 92	40	25	4.0	.100A	.310W	135J	390.000G	50NA	30V	370	.002A
MPS6516	P	S	MOT	41	TO 92	40	40	4.0	.100A	.310W	135J	200.000G	50NA	30V	75	.002A
MPS6517	P	S	MOT	41	TO 92	40	40	4.0	.100A	.310W	135J	200.000G	50NA	30V	135	.002A
MPS6518	P	S	MOT	41	TO 92	40	40	4.0	.100A	.310W	135J	340.000G	50NA	30V	225	.002A
MPS6519	P	S	MOT	41	TO 92	25	25	4.0	.100A	.310W	135J	340.000G	50NA	20V	375	.002A
MPS6520	N	S	MOT	41	TO 92	40	25	4.0	.100A	.310W	135J	480.000G	50NA	30V	300	.002A
MPS6521	N	S	MOT	41	TO 92	40	25	4.0	.100A	.310W	135J	480.000G	50NA	30V	450	.002A
MPS6522	P	S	MOT	41	TO 92	25	25	4.0	.100A	.310W	135J	420.000G	50NA	20V	300	.002A
MPS6523	P	S	MOT	41	TO 92	25	25	4.0	.100A	.310W	135J	420.000G	50NA	20V	450	.002A
MPS6530	N	S	MOT	41	TO 92	60	40	5.0	.600A	.310W	135J	390.000G	50NA	40V	85	.100A
MPS6531	N	S	MOT	41	TO 92	60	40	5.0	.600A	.310W	135J	390.000G	50NA	40V	100	.100A
MPS6532	N	S	MOT	41	TO 92	50	30	5.0	.600A	.310W	135J	390.000G	100NA	30V	45	.100A
MPS6533	P	S	MOT	41	TO 92	40	40	4.0	.600A	.310W	135J	260.000G	50NA	30V	85	.100A
MPS6534	P	S	MOT	41	TO 92	40	40	4.0	.600A	.310W	135J	260.000G	50NA	30V	100	.100A
MPS6535	P	S	MOT	41	TO 92	30	30	4.0	.600A	.310W	135J	260.000G	100NA	20V	45	.100A
MPS6540	N	S	MOT	42	TO 92	30	30	4.0		.310W	135J	350.000G	100NA	25V	38	.002A
MPS6542	N	S	MOT	42	TO 92	30	20	3.0	.100A	.310W	135J	700.000G	100NA	25V	38	.002A
MPS6543	N	S	MOT	42	TO 92	35	25	3.0		.310W	135J	750.000G	100NA	25V	38	.004A
MPS6544	N	S	MOT	42	TO 92	60	45	4.0		.310W	135J	VID AMP	500NA	35V	30	.030A
MPS6545	N	S	MOT	42	42A		45	4.0		.310W	135J	VID AMP	500NA	35V	30	.030A
MPS6546	N	S	MOT	42	TO 92	35	35	3.0	.050A	.310W	135J	600.000G	100NA	25V	30	.002A
MPS6547	N	S	MOT	42	TO 92	35	35	3.0	.050A	.310W	135J	600.000G	100NA	25V	30	.002A
MPS6548	N	S	MOT	42	TO 92	30	25	3.0		.310W	135J	650.000G	100NA	25V	38	.004A
MPS6560	N	S	MOT	41	TO 92	25	25	4.0	.600A	.500W	135J	60.000G	100NA	20V	100	.500A
MPS6561	N	S	MOT	41	TO 92	20	20	4.0	.600A	.500W	135J	60.000G	100NA	20V	100	.350A
MPS6562	P	S	MOT	41	TO 92	25	25	4.0	.600A	.500W	135J	60.000G	100NA	20V	100	.500A
MPS6563	P	S	MOT	41	TO 92	20	20	4.0	.600A	.500W	135J	60.000G	100NA	20V	100	.350A
MPS6565	N	S	MOT	41	TO 92	60	45	4.0	.200A	.310W	135J	200.000G	100NA	30V	80	.010A
MPS6566	N	S	MOT	41	TO 92	60	45	4.0	.200A	.310W	135J	200.000G	100NA	30V	200	.010A
MPS6567	N	S	MOT	42	TO 92		40	5.0		.310W	135J		500NA	35V	38	.010A
MPS6568	N	S	MOT	42	42A	20	20	3.0		.310W	135J	375.000G	50NA	10V	70	.004A
MPS6568A	N	S	MOT	42	TO 92	20	20	3.0		.310W	135J	375.000G	50NA	10V	70	.004A
MPS6569	N	S	MOT	42	42A	20	20	3.0		.310W	135J	300.000G	50NA	10V	70	.004A
MPS6570	N	S	MOT	42	42A	20	20	3.0		.310W	135J	300.000G	50NA	10V	70	.004A
MPS6571	N	S	MOT	41	TO 92	20	20	3.0	.050A	.310W	135J	50.000G	50NA	20V	500	.001A
MPS6580	P	S	MOT	41	TO 92	25	25	3.0		.310W	135J	250.000G	100NA	20V	30	.002A
MPS6590	N	S	MOT	41	TO 92	100	80	4.0	.250A	.310W	135J	60.000G	100NA	50V	60	.010A
MPS6591	N	S	MOT	41	TO 92	60	50	4.0	.250A	.310W	135J	60.000G	100NA	30V	60	.010A
MPSA05	N	S	MOT	41	TO 92	50	50	4.0	.500A	.500W	135J	50.000G	100NA	50V	88	.100A
MPSA06	N	S	MOT	41	TO 92	80	80	4.0	.500A	.500W	135J	50.000G	100NA	80V	88	.100A
MPSA09	N	S	MOT	41	TO 92	50	50		.050A	.310W	135J	30.000G	100NA	25V	250	.001A
MPSA10-BLU	N	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	50.000G	100NA	30V	195	.005A
MPSA10-GRN	N	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	50.000G	100NA	30V	150	.005A
MPSA10-RED	N	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	50.000G	100NA	30V	60	.005A
MPSA10-WHT	N	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	50.000G	100NA	30V	120	.005A
MPSA10-YEL	N	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	50.000G	100NA	30V	225	.005A
MPSA20-BLU	N	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	125.000G	100NA	30V	195	.005A
MPSA20-GRN	N	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	125.000G	100NA	30V	150	.005A
MPSA20-REO	N	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	125.000G	100NA	30V	60	.005A
MPSA20-WHT	N	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	125.000G	100NA	30V	120	.005A
MPSA20-YEL	N	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	125.000G	100NA	30V	225	.005A
MPSA55	P	S	MOT	41	TO 92	50	50	4.0	.500A	.500W	135J	50.000G	100NA	50V	88	.100A
MPSA56	P	S	MOT	41	TO 92	80	80	4.0	.500A	.500W	135J	50.000G	100NA	80V	88	.100A
MPSA70-BLU	P	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	125.000G	100NA	30V	195	.005A
MPSA70-GRN	P	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	125.000G	100NA	30V	150	.005A
MPSA70-REO	P	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	125.000G	100NA	30V	60	.005A
MPSA70-WHT	P	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	125.000G	100NA	30V	120	.005A
MPSA70-YEL	P	S	MOT	41	TO 92		40	4.0	.100A	.300W	135J	125.000G	100NA	30V	225	.005A
MPSH02	N	S	MOT	41	TO 92	20	20	3.0		.500W	135J	375.000G	50NA	10V	70	.004A
MPSH10	N	S	MOT	41	TO 92	30	25	3.0		.310W	135J	650.000G	100NA	25V	90	.004A
MPSH11	N	S	MOT	41	TO 92	30	25	3.0		.310W	135J	650.000G	100NA	25V	90	.004A
MPSH20	N	S	MOT	41	TO 92	40	30	4.0	.100A	.310W	135J	400.000G	50NA	15V	38	.004A
MPSH30	N	S	MOT	41	TO 92	20	20	3.0		.310W	135J	300.000G	50NA	10V	70	.004A
MPSH31	N	S	MOT	41	TO 92	20	20	3.0		.310W	135J	300.000G	50NA	10V	70	.004A
MPSH32	N	S	MOT	41	TO 92	40	30	4.0		.500W	135J	300.000G	50NA	10V	35	.004A
MPSH37	N	S	MOT	41	TO 92		40	5.0		.310W	135J	300.000G	500NA	35V	38	.005A
MPSL01	N	S	MOT	41	TO 92	140	120	5.0	.600A	.310W	135J	60.000G	1UA	75V	110	.010A
MPSL07	P	S	MOT	41	TO 92	6	6	4.5	.080A	.310W	135J	500.000G	10NA	3V	50	.010A
MPSL08	P	S	MOT	41	TO 92	12	12	4.5	.080A	.310W	135J	700.000G	10NA	6V	50	.010A
MPSL51	P	S	MOT	41	TO 92	100	100	4.0	.600A	.310W	135J	60.000G	1UA	75V	110	.010A
MPSU01	N	S	MOT	49	49A		30		1.500A	1.000W	135J	50.000G	100NA	30V	115	.150A
MPSU02	N	S	MOT	49	49A	60	40	5.0	.800A	1.000W	135J	150.000G	100NA	40V	125	.150A
MPSU03	N	S	MOT	49	49A	120	120	5.0	1.000A	1.000W	135J	100.000G	100NA	130V	60	.010A
MPSU04	N	S	MOT	49	49A	180	180	5.0	1.000A	1.000W	135J	100.000G	100NA	150V	60	.010A
MPSU05	N	S	MOT	49	49A	60	60	4.0	1.000A	5.000W	135J	50.000G	100NA	40V	92	.250A
MPSU06	N	S	MOT	49	49A	80	80	4.0	1.000A	5.000W	135J	50.000G	100NA	60V	92	.250A
MPSU10	N	S	MOT	49	49A	300	300	8.0	1.000A	1.000W	135J	60.000G	200NA	200V	60	.030A
MPSU51	P	S	MOT	49	49A		30		1.500A	1.000W	135J	50.000G	100NA	30V	105	.150A
MPSU52	P	S	MOT	49	49A	60	40	5.0	1.500A	1.000W	135J	150.000G	100NA	40V	125	.150A
MPSU55	P	S	MOT	49	49A	60	60	4.0	1.000A	5.000W	135J	50.000G	100NA	40V	85	.250A

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{(...)}$	$V_{(...)}$	$V_{(...)}$	Maximum $I_{(...)}$	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{(...)}$ @	$V_{(...)}$	Gain $h_{(...)}$ @	$I_{(...)}$
MPSU56		P S	MOT	49	49A	80	80	4.0	1.000A	5.000W	135J	50.000G	100NA	60V	85	.250A
MPT40			M.P. PT40													
MPT501			M.P. PT501													
MSA7505			SEE RF POWER SECTION													
MSA8505			SEE RF POWER SECTION													
MSA8506			SEE RF POWER SECTION													
MT1060	N	S	FSC	211	TO 46	30	14	4.0	.080A	.300W	175J	1000.000G	500NA	10V	40	.001A
MT1060A	N	S	FSC	211	TO 46	30	14	4.0	.080A	.300W	175J	1300.000G	500NA	10V	70	.001A
MT1061	N	S	FSC	217	TO 72	30	14	4.0	.080A	.250W	175J	1000.000G	500NA	10V	40	.001A
MT1061A	N	S	FSC	217	TO 72	30	14	4.0	.080A	.250W	175J	1300.000G	500NA	10V	70	.001A
MT1063	N	S	FSC	890	890B	30	14	4.0	.080A	.150W	175J	1300.000G	500NA	10V	70	.001A
NA20	N	G	SEM	210	TO 5	30	20	10.0	.200A	.200W		1.000G			50	
NA30	N	G	SEM	210	TO 5	35	25	20.0	.200A	.250W		.500G			100	
NO400	N	S	SEM	605	TO 3	400	200	2.0	10.000A	100.000W		5.000G			20	
NKT121	P	G	NKT	210	TO 5	20	20S	6.0	.500A	.075W	75J	15.000B	5UA	10V	80	
NKT122	P	G	NKT	210	TO 5	20	20S	6.0	.500A	.075W	75J	7.000B	5UA	10V	80	
NKT123	P	G	NKT	210	TO 5	20	20S	6.0	.500A	.075W	75J	3.000B	5UA	10V	80	
NKT124	P	G	NKT	210	TO 5	20	20S	6.0	.500A	.075W	75J	15.000B	5UA	10V	120	
NKT125	P	G	NKT	210	TO 5	20	20S	6.0	.500A	.075W	75J	7.000B	5UA	10V	120	
NKT126	P	G	NKT	210	TO 5	20	20S	6.0	.500A	.075W	75J	3.000B	5UA	10V	120	
NKT127	P	G	NKT	210	TO 5	20	20S	6.0	.500A	.075W	75J	15.000B	5UA	10V	80	
NKT128	P	G	NKT	210	TO 5	20	20S	6.0	.500A	.075W	75J	7.000B	5UA	10V	80	
NKT129	P	G	NKT	210	TO 5	20	20S	6.0	.500A	.075W	75J	3.000B	5UA	10V	80	
NKT211	P	G	NKT	120	TO 1	32	32R	10.0	.500A	.200W	90J	.900B	10UA	10V	100	
NKT213	P	G	NKT	120	TO 1	32	32R	10.0	.125A	.200W	90J	.900B	10UA	10V	80	
NKT214	P	G	NKT	120	TO 1	32	32R	10.0	.125A	.200W	90J	.900B	10UA	10V	50	
NKT215	P	G	NKT	120	TO 1	32	32R	10.0	.125A	.200W	90J	.900B	10UA	10V	30	
NKT217	P	G	NKT	120	TO 1	60	60R	10.0	.125A	.200W	90J	.900B	10UA	10V	100	
NKT218	P	G	NKT	120	TO 1	32	32R	10.0	.500A	.200W	90J	.900B	10UA	10V	160	
NKT221	P	G	NKT	211	TO 39	30	30S	10.0	.500A	.300W	85J	.750B	10UA	5V	60	
NKT222	P	G	NKT	211	TO 39	30	30S	10.0	.125A	.180W	75J	.750B	10UA	5V	120	
NKT223	P	G	NKT	211	TO 39	30	30S	10.0	.125A	.180W	75J	.750B	10UA	5V	120	
NKT224	P	G	NKT	211	TO 39	30	30S	10.0	.125A	.180W	75J	.750B	10UA	5V	60	
NKT225	P	G	NKT	211	TO 39	30	30S	10.0	.125A	.180W	75J	.750B	10UA	5V	30	
NKT226	P	G	NKT	211	TO 39	30	30S	10.0	.125A	.180W	75J	.750B	10UA	5V	100	
NKT227	P	G	NKT	211	TO 39	60	60S	10.0	.125A	.180W	75J	.750B	10UA	5V	120	
NKT228	P	G	NKT	211	TO 39	30	30S	10.0	.500A	.300W	85J	.750B	10UA	5V	60	
NKT231	P	G	NKT	211	TO 39	15	15S	10.0	.500A	.300W	85J	.750B	25UA	15V	110	
NKT232	P	G	NKT	211	TO 39	15	15S	10.0	.500A	.300W	85J	.750B	25UA	15V	150	
NKT301	P	G	NKT	171	TO 8	60	40	15.0	2.000A	.750W	85C	.500B	50UA	2V	100	
NKT302	P	G	NKT	171	TO 8	60	40	15.0	2.000A	.750W	85C	.500B	50UA	2V	130	
NKT303	P	G	NKT	171	TO 8	30	20	15.0	2.000A	7.000W	85C	.500B	50UA	2V	100	
NKT304	P	G	NKT	171	TO 8	30	20	15.0	2.000A	.750W	85C	.500B	50UA	2V	130	
NKT401	P	G	NKT	605	TD 3	80	30	20.0	8.000A	12.000W	85C	.500B	50UA	2V	50	
NKT402	P	G	NKT	605	TO 3	60	20	20.0	8.000A	12.000W	85C	.010E	100UA	2V	100	
NKT403	P	G	NKT	605	TO 3	80	30	20.0	8.000A	12.000W	85C	.010E	100UA	2V	100	
NKT404	P	G	NKT	605	TD 3	60	20	20.0	8.000A	12.000W	85C	.010E	100UA	2V	100	
NKT405	P	G	NKT	605	TO 3	60	45R	20.0	6.000A	12.000W	85C	.009E	100UA	2V	120	
NKT451	P	G	NKT	605	TO 3	36	36R	10.0	2.000A	13.000W	85C	144.000-	100UA	2V	100	
NKT452	P	G	NKT	605	TD 3	36	36R	10.0	2.000A	13.000W	85C	144.000-	100UA	2V	60	
NKT453	P	G	NKT	605	TO 3	36	36R	10.0	2.000A	13.000W	85C	144.000-	100UA	2V	30	
NKT713	N	G	NKT	120	TO 1	25	25R	15.0	.200A	.150W	80J	1.000B	50UA	25V	100	
NKT773	N	G	NKT	120	TO 1	15	15R	5.0	.300A	.150W	85J	AUD	15UA	10V	50	
NR5	N	G	SEM	210	TO 5	20	15	10.0	.100A	.200W		10.000G			70	
NR10	N	G	SEM	210	TD 5	20	20	10.0	.100A	.200W		20.000G			150	
NR700	N	G	SEM	210	TO 18	15	15	2.0	.100A	.100W		400.000G			100	
NS381	-N	S	NSC	210	TO 18	25	20	5.0		.300W		400.000G			40	
NS475	-N	S	NSC	210	TO 46	30	30	6.0	.100A	.400W	200J	80.000B	200NA	30V	36	
NS476	-N	S	NSC	210	TO 46	30	30	6.0	.100A	.400W	200J	80.000B	200NA	30V	70	
NS477	-N	S	NSC	210	TO 46	30	30	6.0	.100A	.400W	200J	80.000B	200NA	30V	180	
NS478	-N	S	NSC	210	TD 46	60	60	8.0	.100A	.400W	200J	80.000B	200NA	60V	36	
NS479	-N	S	NSC	210	TO 46	60	60	8.0	.100A	.400W	200J	8.000B	200NA	60V	7	
NS480	-N	S	NSC	210	TO 46	60	60	8.0	.100A	.400W	200J	8.000B	200NA	60V	180	
NS731	-N	S	NSC	210	TO 18	15	15	4.0		.400W	175J	80.000B			36	
NS732	-N	S	NSC	210	TD 18	15	15	4.0		.400W	175J	80.000B			80	
NS733	-N	S	NSC	210	TD 18	30	30	4.0		.400W	175J	80.000B			36	
NS734	-N	S	NSC	210	TO 18	30	30	4.0		.400W	175J	80.000B			80	
NS792	-N	S	NSC	210	TO 5	60	60	5.0	1.000A	8.000W	200J	150.000G			40	
NS793	-N	S	NSC	210	TD 5	60	60	5.0	1.000A	8.000W	200J	150.000G			80	
OC16	-P	G	MUL,PHN	498	498A	32	16	10.0	3.000A	50.000W	75J	.200B	1MA	14V	36	
OC22	P	G	MUL,PHN,RAD	605	TO 3	47	32	15.0	1.000A	16.000W	75J	2.500B			100	
DC23	P	G	MUL,PHN,RAD	605	TO 3	55	40	15.0	1.000A	16.000W	75J	2.500B			100	
OC24	P	G	MUL,PHN,RAD	605	TD 3	47	40	15.0	1.000A	16.000W	75J	2.500B			100	
OC26			SEE 2N1314												100	
OC27	P	G	PHN	605	TO 3	32	16	10.0	3.500A	54.000W	90J	.004E	20MA	14V	70	
OC28			SEE 2N1666													
DC29			SEE 2N1667													
OC30	P	G	RAO	605	605A	32	32	10.0	1.400A	6.500W	75J	.150B			33	
OC35			SEE 2N1668													
OC36			SEE 2N1669													
OC44	P	G	AMP,MUL,PHN	55	55A	15	5	12.0	.005A	.080W	75J	7.500B	10UA	15V	100	
OC45	P	G	AMP,MUL,PHN	55	55A	15	5	12.0	.005A	.080W	75J	3.000B	10UA	15V	70	
OC46	P	G	PHN,RAD	55	55A	20	20	15.0	.125A	.083W	75J	3.000B			40	
OC47	P	G	RAD	55	55A	20	20	15.0	.125A	.083W	75J	4.500B			100	
OC57	P	G	RAO	105	105B	7	7	7.0	.010A	.020W	55J	2.000B			35	
OC58	P	G	RAO,AMP	105	105B	7	7	7.0	.010A	.020W	55J	2.000B	3UA	2V	55	
OC59	P	G	AMP,PHN,RAO	105	105B	7	7	7.0	.010A	.020W	55J	2.000B	3UA	2V	80	
OC60	P	G	AMP,PHN,RAO	105	105B	7	7	7.0	.010A	.020W	55J	2.000B	3UA	2V	60	
OC65	P	G	MUL,PHN	5	5B	10	10	10.0	.010A	.060W	65J	.015E	12UA	4V	30	
OC66	P	G	MUL,PHN	5	5B	10	10	10.0	.010A	.060W	65J	.010E	12UA	4V	50	
OC70	P	G	MUL,PHN	55	55A	30	10	10.0	.010A	.125W	75J	.200B	13UA	4V	30	
OC71	P	G	MUL,PHN,RAO,TAD	55	55A	30	30		.050A	.125W	75J	1.000B			50	
OC71N	P	G	AMP	120	TO 1	30	30R		.010A	.110W	75J	.010E			60	
OC72	P	G	MUL,PHN,RAD,TAD	60	60A	32	32		.250A	.165W	75J	.900B			70	
OC73	P	G	MUL,PHN	55	55A	32	30	30.0	.010A	.125W	75J	.500B	19UA	30V	46	
OC74	P	G	RAD,TAD,AMP	60	60A	20	20		.550A	.300W	75J	1.500B			65	.050A
OC75	P	G	MUL,PHN,RAD	55	55A	30	30		.050A	.125W	75J	1.000B			90	
OC75N	P	G	AMP	120	TO 1	30	30R		.010A	.110W	75J	.008E			120	
OC76	P	G	MUL,PHN,RAO	60	60A	32	32	10.0	.125A	.180W	75J	.350B			90	
OC77	P	G	MUL,PHN,RAO	60	60A	60	60	10.0	.125A	.180W	75J	.350B			90	
OC79	P	G	RAO	60	60A	26	26		.300A	.550W	75J	1.000B			45	
OC80	P	G	PHN,RAO	60	60A	32	32	20.0	.300A	.350W	75J	2.000B			180	
OC139	N	G	MUL,PHN,RAD	55	55A	20	20	20.0	.250A	.140W	75J	6.000B			40	
OC140	N	G	MUL,PHN,RAO	55	55A	20	20	20.0	.400A	.140W	75J	12.000B			75	
OC141	N	G	MUL,PHN,RAO	55	55A	20	20	20.0	.400A	.140W	75J	20.000B			150	
OC170	P	G	MUL,PHN	75	TO 7	20		.5	.010A	.100W	75J	40.000B	2UA	6V	80	
OC602	P	G	TFK	55	55Q	22	12	10.0	.050A	.125W	75J	.025E	5UA	6V	40	
OC602-SPEZ	-P	G	TFK	55	55F	40	15	10.0	.500A	.175W	75J		7UA	6V	32	

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{r,b}$	$V_{r,e}$	$V_{e,b}$	Maximum I_c	Power	Max. T_j(°C)	Frequency Resp.(MHz)	Leakage $I_{c,bo}$ @	$V_{r,b}$	Gain h_{fe} @	I_c
OC603	P	G	TFK	55	55F	20	12	10.0		.125W	75J	1.000G	10UA	6V	50	
OC604			SEE AC122													
OC604-SPEZ	-P	G	TFK	55	55F	40	15	10.0	.500A	.175W	75J		6UA	6V	50	
OC613			SEE AF101													
OC614	P	G	TFK	55	550	25	12	.8		.030W	75J	28.000G	2UA	6V	120	
OC615	P	G	TFK	55	550	25	12	.8		.030W	75J	50.000G	3UA	6V	160	
OD603	P	G	TFK	698	698A	40	30	10.0	3.000A	4.000W	75J	.009E	10UA	6V	34	
00603/50	P	G	TFK	698	698A	60	50	30.0	1.000A	4.000W	75J	.009E	10UA	6V	30	
PA0T50	P	G	AMP	605	TO 3	70		1.5	.700A	12.500W	75J	60.000G	600UA	60V	80	
PAR12	P	G	SEM	621	TO 27	50	25	10.0	3.000A	50.000W		.200G			50	
PBC107A	N	S	SES	45	TO 98	45	45	5.0	.100A	.200W	100J	150.000G	100NA	45V	180	.002A
PBC107B	N	S	SES	45	TO 98	45	45	5.0	.100A	.200W	100J	150.000G	100NA	45V	290	.002A
PBC108A	N	S	SES	45	TO 98	20	20	5.0	.100A	.200W	100J	150.000G	100NA	20V	180	.002A
PBC108B	N	S	SES	45	TO 98	20	20	5.0	.100A	.200W	100J	150.000G	100NA	20V	290	.002A
PBC108C	N	S	SES	45	TO 98	20	20	5.0	.100A	.200W	100J	150.000G	100NA	20V	520	.002A
PBC109B	N	S	SES	45	TO 98	20	20	5.0	.100A	.200W	100J	150.000G	100NA	20V	290	.002A
PBC109C	N	S	SES	45	TO 98	20	20	5.0	.100A	.200W	100J	150.000G	100NA	20V	520	.002A
PEP9	N	S	AEI	211	TO 18	40	20	5.0	.100A	.300W	175J	200.000G	50NA	20V	70	.010A
PEP95	N	S	AEI	211	TO 18	25	15	5.0	.200A	.300W	175J	100.000G	50NA	16V	100	.010A
PET1001	N	S	PHF	170	TO106	45	45	4.0	.150A	.360W	125J	200.000G	500NA	30V	80	.010A
PET1002	N	S	PHF	170	TO106	45	45	4.0	.150A	.360W	125J	200.000G	500NA	30V	200	.010A
PET1075	N	S	PHF	170	TO106	90	70	6.0	.150A	.360W	125J	60.000G	1UA	70V	160	.001A
PET1075A	N	S	PHF	170	TO106	140	90	6.0	.150A	.360W	125J	60.000G	1UA	90V	160	.001A
PET2001	N	S	PHF	170	TO106	35	20	4.0	.150A	.360W	125J	200.000G	50NA	30V	80	.010A
PET2002	N	S	PHF	170	TO106	35	20	4.0	.150A	.360W	125J	200.000G	50NA	30V	200	.010A
PET3001	N	S	PHF	170	TO106	30	12	4.0	.100A	.250W	125J	600.000G	1UA	20V	45	.010A
PET3002	N	S	PHF	170	TO106	30	12	4.0	.100A	.250W	125J	600.000G	1UA	20V	120	.010A
PET3704	N	S	PHF	170	TO106	50	30	5.0	.800A	.360W	125J	100.000G	100NA	20V	175	.050A
PET3705	N	S	PHF	170	TO106	50	30	5.0	.800A	.360W	125J	100.000G	100NA	20V	88	.050A
PET3706	N	S	PHF	170	TO106	40	20	5.0	.800A	.360W	125J	100.000G	100NA	20V	180	.050A
PET4001	N	S	PHF	170	TO106	30	25	8.0	.100A	.360W	125J	60.000G	10NA	25V	135	.001A
PET4002	N	S	PHF	170	TO106	30	25	8.0	.100A	.360W	125J	60.000G	10NA	25V	350	.001A
PET4003	N	S	PHF	170	TO106	30	25	8.0	.100A	.360W	125J	60.000G	10NA	25V	525	.001A
PET6001	N	S	PHF	170	TO106	40	30	5.0	.750A	.360W	125J	40.000G	50NA	15V	75	.050A
PET6002	N	S	PHF	170	TO106	40	30	5.0	.750A	.360W	125J	45.000G	50NA	15V	130	.150A
PET8000	N	S	PHF	170	TO106	50	35	8.0	.800A	.360W	125J	40.000G	10NA	25V	130	.001A
PET8001	N	S	PHF	170	TO106	50	35	8.0	.800A	.360W	125J	40.000G	10NA	25V	262	.001A
PET8002	N	S	PHF	170	TO106	50	35	8.0	.800A	.360W	125J	40.000G	10NA	25V	375	.001A
PET8003	N	S	PHF	170	TO106	50	35	8.0	.800A	.360W	125J	40.000G	10NA	25V	262	.001A
PET8004	N	S	PHF	170	TO106	50	35	8.0	.800A	.360W	125J	40.000G	10NA	25V	375	.001A
PET8101	N	S	PHF	170	TO106	18	12	4.0	.100A	.250W	125J	800.000G	50NA	12V	45	.005A
PN26	N	S	SEM	605	TO 66	40		5.0	2.000A	90.000W		1.000G			30	
PN66	N	S	SEM	605	TO 66	300	200	5.0	3.000A	90.000W		1.000G			30	
PN350	N	S	SEM	605	TO 3	100	80	7.0	10.000A	150.000W		1.000G			30	
PT2A	-P	G	CBS	146	146C	40		40.0	.010A	.100W	55A	2.000B			3	
PT2S	-P	G	CBS	146	146C	40		40.0	.010A	.100W	55A				4	
PT6	P	G	SEM	605	TO 3	30	12	10.0	3.000A	90.000W		.200G			40	
PT12	P	G	SEM	605	TO 3	30	12	12.0	3.000A	90.000W		.200G			40	
PT25	P	G	SEM	605	TO 3	40	25	20.0	5.000A	90.000W		.200G			60	
PT32	P	G	SEM	605	TO 66	45	25	12.0	2.000A	6.000W		.200G			60	
PT40	P	G	SEM	605	TO 3	80	40	20.0	5.000A	90.000W		.200G			90	
PT50	P	G	SEM	605	TO 3	100	60	20.0	7.000A	90.000W		.200G			50	
PT150	P	G	SEM	605	TO 3	100	60	20.0	15.000A	150.000W		.200G			40	
PT201	P	G	SEM	405	TO 36	40	25	12.0	15.000A	150.000W		.200G			25	
PT250	P	G	SEM	607	TO 41	100	50	20.0	25.000A	150.000W		.200G			40	
PT501	P	G	SEM	405	TO 36	60	30	20.0	15.000A	150.000W		.200G			40	
PT515	P	G	SEM	405	TO 36	100	60	40.0	30.000A	170.000W		.200G			50	
PT530			SEE 2N1709													
PT530A			SEE 2N2783													
PT531			SEE 2N2874													
PT600	N	S	TRW	171	TO 8	60	45R	4.0		13.000W		150.000G	1MA	12V	26	1.000A
PT601	N	S	TRW	171	TO 8	60	45R	4.0		13.000W		180.000G	1MA	12V	52	1.000A
PT612	N	S	TRW	170	TO 8	75	60R	5.0	.350A	2.000W	175J	60.000G	500UA	28V	26	.350A
PT613			SEE 2N2782													
PT665	N	S	TRW	561	TO 61	75	60R	4.0	.350A	20.000W		15.000G	10UA	28V	26	.350A
PT665A	N	S	TRW	561	TO 61	100	90R	5.0	.350A	20.000W		15.000G	10UA	28V	26	.350A
PT692			SEE 2N2781													
PT703	N	S	TRW	211	TO 18	25	25R	5.0	.020A	.360W	175J		5UA	15V		
PT720	N	S	TRW	211	TO 18	25	15	5.0	.200A	.360W	200J	250.000G	500NA	15V	80	.001A
PT886	N	S	TRW	211	TO 5	22	25R	5.0		.600W	175J		300UA	10V		
PT887	N	S	TRW	211	TO 5	45	50R	5.0		.600W	175J		300UA	10V		
PT888	N	S	TRW	211	TO 5	45	50R	5.0		.600W	175J		300UA	10V		
PT896	N	S	TRW	211	TO 5	45	50R	5.0		1.600W			300UA	10V		
PT897	N	S	TRW	211	TO 5	45	50R	5.0		.600W	175J		300UA	10V		
PT898	N	S	TRW	211	TO 5	45	50R	5.0		1.600W			300UA	10V		
PT1515	N	S	TRW	211	TO 5	80	80R	4.0	.110A	3.000W		500.000G	10UA	28V	40	.100A
PT1544	N	S	TRW	211	TO 5		50R	4.0		.800W	175J		100UA	15V		
PT1545	N	S	TRW	211	TO 5		50R	4.0		.800W	175J		100UA	15V		
PT1558	N	S	TRW	211	TO 5	80	45	5.0	.110A	.800W	200J	140.000G	50NA	28V	36	.100A
PT1937	N	S	TRW	414	TO 81	140	50	4.0	7.000A	100.000W	150J	40.000G	50MA	140V	30	7.000A
PT1941	N	S	TRW	560	TO 61	140	130R	4.0	7.000A	90.000W	150J	40.000G	50MA	140V	30	7.000A
PT1949	N	S	TRW	911	911A	140	100R	5.0		50.000W			10MA	60V	18	10.000A
PT1963	N	S	TRW	560	TO 61	140	100R	5.0		50.000W			10MA	60V	18	10.000A
PT2523	N	S	TRW	211	TO 5	180	130	5.0		5.000W		50.000G	10NA	120V	40	.010A
P12524	N	S	TRW	211	TO 5	200	160	5.0		5.000W		50.000G	10NA	120V	40	.010A
PT2525	N	S	TRW	211	TO 5	220	170	5.0		5.000W		50.000G	10NA	120V	40	.010A
PT2540	N	S	TRW	211	TO 5	60	32	4.0		.850W	200J	200.000G	10UA	10V	30	.150A
PT2610	N	S	TRW	211	TO 5	100	60	4.0	.200A	13.000W		125.000G	100UA	28V	46	.350A
PT2620	N	S	TRW	211	TO 5	85	45	4.0	.170A	10.000W		125.000G	100UA	28V	56	.350A
PT2620A	N	S	TRW	210	TO 5	85	45	4.0	.170A	10.000W		125.000G	100UA	28V	56	.350A
PT2630	N	S	TRW	211	TO 5	100	60	4.0	.250A	13.000W		50.000G	100UA	28V	46	.350A
PT2635	N	S	TRW	561	TO 61	100	60	4.0		25.000W			1UA	28V	30	.350A
PT2640	N	S	TRW	211	TO 5	85	45	4.0	.225A	10.000W		50.000G	50UA	28V	56	.350A
PT2660	N	S	TRW	211	TO 5	70	50	4.0	.230A	10.000W		75.000G	1UA	24V	76	.100A
PT2670	N	S	TRW	211	TO 5	100	60	4.0		13.000W			500NA	15V	44	.350A
PT2760	N	S	TRW	210	TO 18	35	20	4.0	.200A	.360W	200J	250.000G	100NA	15V	65	.001A
PT4800	N	S	TRW	211	TO 5	55	25	4.0	.150A	5.000W		35.000G	50NA	12V	60	.150A
PT4816	N	S	TRW	211	TO 5	60	30	4.0	.066A	3.000W		85.000G	50NA	40V	80	.010A
PT4830	N	S	TRW	211	TO 18	60	30	4.0	.066A	1.800W		85.000G	50NA	40V	80	.010A
RT482	-N	S	RAY	210	TO 5	20	20	5.0		.600W	150J	40.000G	2UA	10V	40	
RT483	-N	S	RAY	210	TO 5	40	20	5.0		.600W	150J	40.000G	2UA	30V	20	
RT484	-N	S	RAY	210	TO 5	40	20	5.0		.600W	150J	40.000G	2UA	30V	40	
RT697M	-N	S	RAY	210	TO 54	60	40	5.0		.400W	175J	50.000G	1UA	30V	70	
RT699M	-N	S	RAY	210	TO 54	120	80	5.0		.400W	175J	50.000G	2UA	60V	65	
RT1890M	-N	S	RAY	211	TO 46	100	60	7.0		3.000W	200A	50.000G	10NA	75V	160	
RT1893	-N	S	RAY	211	TO 46	120	80	7.0		3.000W	200A	50.000G	10NA	90V	80	
RT5151	-N	S	RAY	210	TO 5	45	20	4.0		.600W	150J		1UA	20V	60	
RT5152	-N	S	RAY	210	TO 5	45	20	4.0		.600W	150J		1UA	20V	60	
RT5203	-N	S	RAY	211	TO 5	40		5.0		.600W	150J		2UA	40V		

Transistor Type No.	N / P	G / S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
RT5204	-N	S	RAY	210	TO 5	30	30S	5.0		.600W	150J	40.000G	1UA	15V	70	
RT5212	-N	S	RAY	210	TO 5	60	60S	5.0		.600W	150A	40.000G	1UA	30V	70	
RT5230			SEE 2N2309													
RT5401	-N	S	RAY	211	TO 5	30	20	7.0	.750A	.700W	200J	100.000G	1UA	30V	100	
RT5402	-N	S	RAY	211	TO 5	30	18	7.0	.750A	.700W	200J	100.000G	1UA	30V	120	
RT5403	-N	S	RAY	211	TO 5	60	24	7.0	.750A	.700W	200J	90.000G	1UA	30V	100	
RT5404	-N	S	RAY	211	TO 5	60	22	7.0	.750A	.700W	200J	90.000G	1UA	30V	100	
S15649	-N	S	FSC	170	170F	30	25	6.0		.200W	125J	20.000G	50NA	25V	350	.001A
S15650	-N	S	FSC	170	170F	30	25	6.0		.200W	125J	40.000G	50NA	25V	300	.001A
S15657	-N	S	FSC	170	170F	40	15	4.0		.200W	125J	400.000G	50NA	15V	70	.002A
S15658	-N	S	FSC	170	170F	40	15	4.0		.200W	125J	400.000G	50NA	15V	70	.015A
S15659	-N	S	FSC	211	TO 5	40	20	4.0		.600W	200J	500.000G	50NA	20V	70	.050A
S15660	-N	S	FSC	211	211K	40	15	4.0	1.000A	.600W	200J	400.000G	500UA	40V	60	.300A
S18100	-P	S	FSC	909	TO 50	60	60	4.0		.400W	200J	130.000G	10NA	25V	70	.050A
S18200	-N	S	FSC	909	TO 50	100	60	7.0		.400W	200J	60.000G	10NA	60V	100	.150A
SA310	P	S	SPR	229	TO 5	30	10		.050A	.150W	140J	10.000G	10NA	15V	30	
SA311	P	S	SPR	229	TO 5	30	16		.050A	.150W	140J	10.000G	10NA	15V	30	
SA312	P	S	SPR	229	TO 5	30	10		.050A	.150W	140J	18.000G	10NA	15V	30	
SA313	P	S	SPR	229	TO 5	30	20		.050A	.150W	140J	17.000G	10NA	15V	30	
SA314	P	S	SPR	229	TO 5	30	15		.050A	.150W	140J	17.000G	20NA	15V	30	
SA315	P	S	SPR	229	TO 5	30	12		.050A	.150W	140J	18.000G	20NA	15V	30	
SA316	P	S	SPR	229	TO 5	30	10		.050A	.150W	140J	17.000G	23NA	10V	20	
SA410	P	S	SPR	229	TO 18	30	10		.050A	.150W	140J	10.000G	10NA	15V	30	
SA411	P	S	SPR	229	TO 18	30	6		.050A	.150W	140J	10.000G	10NA	15V	30	
SA412	P	S	SPR	229	TO 18	30	10		.050A	.150W	140J	8.000G	10NA	15V	30	
SA413	P	S	SPR	229	TO 18	30	20		.050A	.150W	140J	7.000G	10NA	15V	30	
SA414	P	S	SPR	229	TO 18	30	15		.050A	.150W	140J	7.000G	20NA	15V	30	
SA415	P	S	SPR	229	TO 18	30	12		.050A	.150W	140J	8.000G	20NA	15V	30	
SA416	P	S	SPR	229	TO 18	30	10		.050A	.150W	140J	7.000G	3NA	10V	20	
SA537	P	S	SPR	120	TO 1	25	20		.050A	.150W	140J		100NA	6V	15	.005A
SA538	P	S	SPR	120	TO 1	10	6		.050A	.150W	140J		100NA	5V	15	.005A
SA539	P	S	SPR	210	TO 18	25	20		.050A	.150W	140J		100NA	6V	15	.005A
SA540	P	S	SPR	210	TO 18	10	6		.050A	.150W	140J		100NA	5V	15	.005A
SB100	-P	G	PHL	105	TO 24	5			.005A	.020W	55J	60.000F	3UA	5V	20	
SB101			SEE 2N344													
SB102			SEE 2N345													
SB103			SEE 2N346													
SB200	-P	G	PHL	105	TO 24	5			.005A	.020W	55J	30.000F	3UA	5V	14	
SDT1001	-N	S	SDL	605	TO 3		200	5.0	3.500A	100.000W	200J	5.000G	5MA	200V	20	1.000A
SDT1002	-N	S	SDL	605	TO 3		250	5.0	3.500A	100.000W	200J	5.000G	5MA	250V	20	1.000A
SDT1003	-N	S	SDL	605	TO 3		300	5.0	3.500A	100.000W	200J	5.000G	500UA	300V	40	1.000A
SDT1004	-N	S	SDL	605	TO 3		350	5.0	3.500A	100.000W	200J	5.000G	500UA	350V	40	1.000A
SDT1005	-N	S	SDL	605	TO 3		400	5.0	3.500A	100.000W	200J	5.000G	500UA	400V	40	1.000A
SDT1006	-N	S	SDL	605	TO 3		450	5.0	3.500A	100.000W	200J	5.000G	500UA	450V	40	1.000A
SDT1007	-N	S	SDL	605	TO 3		500	5.0	3.500A	100.000W	200J	5.000G	500UA	500V	40	1.000A
SDT1011	-N	S	SDL	605	TO 3		200	5.0	5.000A	100.000W	200J	5.000G	10MA	200V	20	3.000A
SDT1012	-N	S	SDL	605	TO 3		250	5.0	5.000A	100.000W	200J	5.000G	10MA	250V	20	3.000A
SDT1013	-N	S	SDL	605	TO 3		300	5.0	5.000A	100.000W	200J	5.000G	5MA	300V	38	3.000A
SDT1014	-N	S	SDL	605	TO 3		350	5.0	5.000A	100.000W	200J	5.000G	5MA	350V	38	3.000A
SDT1015	-N	S	SDL	605	TO 3		400	5.0	5.000A	100.000W	200J	5.000G	5MA	400V	38	3.000A
SDT1016	-N	S	SDL	605	TO 3		450	5.0	5.000A	100.000W	200J	5.000G	5MA	450V	38	3.000A
SDT1017	-N	S	SDL	605	TO 3		500	5.0	5.000A	100.000W	200J	5.000G	5MA	500V	38	3.000A
SDT1050	N	S	SDL	605	TO 3	250	200	8.0	5.000A	80.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1051	N	S	SDL	605	TO 3	400	325	8.0	5.000A	80.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1052	N	S	SDL	605	TO 3	500	400	8.0	5.000A	80.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1053	N	S	SDL	605	TO 3	600	400	8.0	5.000A	80.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1054	N	S	SDL	605	TO 3	700	400	8.0	5.000A	80.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1055	N	S	SDL	605	TO 3	250	200	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1056	N	S	SDL	605	TO 3	400	325	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1057	N	S	SDL	605	TO 3	500	400	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1058	N	S	SDL	605	TO 3	600	400	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1059	N	S	SDL	605	TO 3	700	400	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1060	N	S	SDL	605	TO 3	250	200	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	15	3.000A
SDT1061	N	S	SDL	605	TO 3	400	325	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	15	3.000A
SDT1062	N	S	SDL	605	TO 3	500	400	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	15	3.000A
SDT1063	N	S	SDL	605	TO 3	600	400	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	15	3.000A
SDT1064	N	S	SDL	605	TO 3	700	400	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	15	3.000A
SDT1150	N	S	SDL	605	TO 66	250	200	8.0	5.000A	40.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1151	N	S	SDL	605	TO 66	400	325	8.0	5.000A	40.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1152	N	S	SDL	605	TO 66	500	400	8.0	5.000A	40.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1153	N	S	SDL	605	TO 66	600	400	8.0	5.000A	40.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1154	N	S	SDL	605	TO 66	700	400	8.0	5.000A	40.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1155	N	S	SDL	605	TO 66	250	200	8.0	5.000A	40.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1156	N	S	SDL	605	TO 66	400	325	8.0	5.000A	40.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1157	N	S	SDL	605	TO 66	500	400	8.0	5.000A	40.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1158	N	S	SDL	605	TO 66	600	400	8.0	5.000A	40.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1159	N	S	SDL	605	TO 66	700	400	8.0	5.000A	40.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1160	N	S	SDL	605	TO 66	250	200	8.0	5.000A	40.000W	200J	50.000G	1MA	150V	15	3.000A
SDT1161	N	S	SDL	605	TO 66	400	325	8.0	5.000A	40.000W	200J	50.000G	1MA	50V	15	3.000A
SDT1162	N	S	SDL	605	TO 66	500	400	8.0	5.000A	40.000W	200J	50.000G	1MA	150V	15	3.000A
SDT1163	N	S	SDL	605	TO 66	600	400	8.0	5.000A	40.000W	200J	50.000G	1MA	150V	15	3.000A
SDT1164	N	S	SDL	605	TO 66	700	400	8.0	5.000A	40.000W	200J	50.000G	1MA	150V	15	3.000A
SDT1250	N	S	SDL	561	TO 61	250	200	8.0	5.000A	80.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1251	N	S	SDL	561	TO 61	400	325	8.0	5.000A	80.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1252	N	S	SDL	561	TO 61	500	400	8.0	5.000A	80.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1253	N	S	SDL	561	TO 61	600	400	8.0	5.000A	80.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1254	N	S	SDL	561	TO 61	700	400	8.0	5.000A	80.000W	200J	50.000G	5MA	100V	23	1.000A
SDT1255	N	S	SDL	561	TO 61	250	200	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1256	N	S	SDL	561	TO 61	400	325	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1257	N	S	SDL	561	TO 61	500	400	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1258	N	S	SDL	561	TO 61	600	400	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1259	N	S	SDL	561	TO 61	700	400	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	23	2.000A
SDT1260	N	S	SDL	561	TO 61	250	200	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	15	3.000A
SDT1261	N	S	SDL	561	TO 61	400	325	8.0	5.000A	80.000W	200J	50.000G	1MA	15V	15	3.000A
SDT1262	N	S	SDL	561	TO 61	500	400	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	15	3.000A
SDT1263	N	S	SDL	561	TO 61	600	400	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	15	3.000A
SDT1264	N	S	SDL	561	TO 61	700	400	8.0	5.000A	80.000W	200J	50.000G	1MA	150V	15	3.000A
SDT1808	P	G	SDL	403	TO 68	80	60		60.000A	170.000W	110J				22	50.000A
SDT1809	P	G	SDL	403	TO 68	60	45		60.000A	170.000W	110J				22	50.000A
SDT1810	P	G	SDL	403	TO 68	40	30		60.000A	170.000W	110J				22	50.000A
SDT1860	P	G	SDL	403	TO 68	80	60	30.0	65.000A	170.000W	110J	.340G			30	65.000A
SDT1861	P	G	SDL	403	TO 68	60	45	30.0	65.000A	170.000W	110J	.340G			30	65.000A
SDT1862	P	G	SDL	403	TO 68	40	30	20.0	65.000A	170.000W	110J	.340G	5MA	40V	30	65.000A
SDT1908	P	G	SDL	176	176E	80	60		60.000A	140.000W	110J				22	50.000A
SDT1909	P	G	SDL	176	176E	60	45		60.000A	140.000W	110J				22	50.000A
SDT1910	P	G	SDL	176	176E	40	30		60.000A	140.000W	110J				22	50.000A
SDT1960	P	G	SDL	176	176E	80	60	30.0	65.000A	140.000W	110J	.340G	5MA	80V	30	65.000A
SDT1961	P	G	SDL	176	176E	60	45	30.0	65.000A	140.000W	110J	.340G	5MA	60V	30	65.000A
SDT1962	P	G	SDL	176	176E	40	30	20.0	65.000A	140.000W	110J	.340G	5MA	40V	30	65.000A

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
SDT2008	P	G	SDL	571	571A	80	60		60.000A	140.000W	110J				22	50.000A
SDT2009	P	G	SDL	571	571A	60	45		60.000A	140.000W	110J				22	50.000A
SDT2010	P	G	SDL	571	571A	40	30		60.000A	140.000W	110J				22	50.000A
SDT2101	-P	G	SDL	390	390A	10	5		200.000A	100.000W	100J				60	
SDT2110	-P	G	SDL	390	390A	10	5		200.000A	100.000W	100J				60	99.000A
SDT2111	-P	G	SDL	390	390A	10	5		200.000A	100.000W	100J				60	99.000A
SDT2112	-P	G	SDL	390	390A	10	5		200.000A	100.000W	100J				60	99.000A
SDT2150	-P	G	SDL	390	390B	10	5		200.000A	100.000W	100J				60	99.000A
SDT2151	-P	G	SDL	390	390B	10	5		200.000A	100.000W	100J				60	99.000A
SDT2152	-P	G	SDL	390	390B	10	5		200.000A	100.000W	100J				60	99.000A
SDT2205	-P	G	SDL	176	176E	10	5		50.000A	120.000W	110J				60	50.000A
SDT2305	-P	G	SDL	403	TO 68	10	5		50.000A	120.000W	110J				60	50.000A
SDT3101	P	S	SDL	560	TO 61		40	6.0	10.000A	50.000W	200J	40.000G	10UA	40V	52	10.000A
SDT3102	P	S	SDL	560	TO 61		60	6.0	10.000A	50.000W	200J	40.000G	10UA	60V	52	10.000A
SDT3103	P	S	SDL	560	TO 61		80X	6.0	10.000A	50.000W		30.000G	10UA	80V	52	10.000A
SDT3104	P	S	SDL	560	TO 61		100X	6.0	10.000A	50.000W		30.000G	10UA	100V	52	10.000A
SDT3105	P	S	SDL	560	TO 61		40	6.0	10.000A	50.000W	200J	40.000G	10UA	40V	52	5.000A
SDT3106	P	S	SDL	560	TO 61		60	6.0	10.000A	50.000W	200J	40.000G	10UA	60V	52	5.000A
SDT3107	P	S	SDL	560	TO 61		80X	6.0	10.000A	50.000W		30.000G	10UA	80V	52	5.000A
SDT3108	P	S	SDL	560	TO 61		100X	6.0	10.000A	50.000W		30.000G	10UA	100V	52	5.000A
SDT3109	P	S	SDL	560	TO 61		120	6.0	10.000A	50.000W	200J	40.000G	10UA	120V	52	5.000A
SDT3125	P	S	SDL	568	TO111		40X	6.0	10.000A	30.000W		30.000G	10UA	40V	40	5.000A
SDT3126	P	S	SDL	568	TO111		60X	6.0	10.000A	30.000W		30.000G	10UA	60V	40	5.000A
SDT3127	P	S	SDL	568	TO111		80X	6.0	10.000A	30.000W		30.000G	10UA	80V	40	5.000A
SDT3128	P	S	SDL	568	TO111		100X	6.0	10.000A	30.000W		30.000G	10UA	100V	40	5.000A
SDT3129	P	S	SDL	568	TO111		120X	6.0	10.000A	30.000W		30.000G	10UA	120V	40	5.000A
SDT3201	N	S	SDL	560	TO 61		120X	6.0	10.000A	50.000W		30.000G	10UA	40V	52	10.000A
SDT3202	N	S	SDL	560	TO 61		60X	6.0	10.000A	50.000W		30.000G	10UA	60V	52	10.000A
SDT3203	N	S	SDL	560	TO 61		80X	6.0	10.000A	50.000W		30.000G	10UA	80V	52	10.000A
SDT3204	N	S	SDL	560	TO 61		100X	6.0	10.000A	50.000W		30.000G	10UA	100V	52	10.000A
SDT3205	N	S	SDL	560	TO 61		40X	6.0	10.000A	50.000W		30.000G	10UA	40V	52	5.000A
SDT3206	N	S	SDL	560	TO 61		60X	6.0	10.000A	50.000W		30.000G	10UA	60V	52	5.000A
SDT3207	N	S	SDL	560	TO 61		80X	6.0	10.000A	50.000W		30.000G	10UA	80V	52	5.000A
SDT3208	N	S	SDL	560	TO 61		100X	6.0	10.000A	50.000W		30.000G	10UA	100V	52	5.000A
SDT3209	N	S	SDL	560	TO 61		120X	6.0	10.000A	50.000W		30.000G	10UA	120V	52	5.000A
SDT3225	N	S	SDL	568	TO111		40X	6.0	10.000A	30.000W		30.000G	10UA	40V	40	5.000A
SDT3226	N	S	SDL	568	TO111		60X	6.0	10.000A	30.000W		30.000G	10UA	60V	40	5.000A
SDT3227	N	S	SDL	568	TO111		80X	6.0	10.000A	30.000W		30.000G	10UA	80V	40	5.000A
SDT3228	N	S	SDL	568	TO111		100X	6.0	10.000A	30.000W		30.000G	10UA	100V	40	5.000A
SDT3229	N	S	SDL	568	TO111		120X	6.0	10.000A	30.000W		30.000G	10UA	120V	40	5.000A
SDT3301	P	S	SDL	568	TO111		40X	6.0	5.000A	30.000W	200J	40.000G	10UA	40V	70	2.000A
SDT3302	P	S	SDL	568	TO111		60X	6.0	5.000A	30.000W	200J	40.000G	10UA	60V	70	2.000A
SDT3303	P	S	SDL	568	TO111		80X	6.0	5.000A	30.000W	200J	40.000G	10UA	80V	70	2.000A
SDT3304	P	S	SDL	568	TO111		100X	6.0	5.000A	30.000W	200J	40.000G	10UA	100V	70	2.000A
SDT3305	P	S	SDL	568	TO111		40X	6.0	5.000A	30.000W	200J	40.000G	10UA	40V	35	2.000A
SDT3306	P	S	SDL	568	TO111		60X	6.0	5.000A	30.000W	200J	40.000G	10UA	60V	35	2.000A
SDT3307	P	S	SDL	568	TO111		80X	6.0	5.000A	30.000W	200J	40.000G	10UA	80V	35	2.000A
SDT3308	P	S	SDL	568	TO111		100X	6.0	5.000A	30.000W	200J	40.000G	10UA	100V	35	2.000A
SDT3309	P	S	SDL	568	TO111		120X	6.0	5.000A	30.000W	200J	40.000G	10UA	120V	35	2.000A
SDT3321	P	S	SDL	211	TO 5		40X	6.0	5.000A	4.000W	200J	40.000G	10UA	40V	70	2.000A
SDT3322	P	S	SDL	211	TO 5		60X	6.0	5.000A	4.000W	200J	40.000G	10UA	60V	70	2.000A
SDT3323	P	S	SDL	211	TO 5		80X	6.0	5.000A	4.000W	200J	40.000G	10UA	80V	70	2.000A
SDT3324	P	S	SDL	211	TO 5		100X	6.0	5.000A	4.000W	200J	40.000G	10UA	100V	70	2.000A
SDT3325	P	S	SDL	211	TO 5		40X	6.0	5.000A	4.000W	200J	40.000G	10UA	40V	35	2.000A
SDT3326	P	S	SDL	211	TO 5		60X	6.0	5.000A	4.000W	200J	40.000G	10UA	60V	35	2.000A
SDT3327	P	S	SDL	211	TO 5		80X	6.0	5.000A	4.000W	200J	40.000G	10UA	80V	35	2.000A
SDT3328	P	S	SDL	211	TO 5		100X	6.0	5.000A	4.000W	200J	40.000G	10UA	100V	35	2.000A
SDT3329	P	S	SDL	211	TO 5		120X	6.0	5.000A	4.000W	200J	40.000G	10UA	120V	35	2.000A
SDT3401	N	S	SDL	568	TO111		40X	6.0	5.000A	30.000W	200J	40.000G	10UA	40V	70	2.000A
SDT3402	N	S	SDL	568	TO111		60X	6.0	5.000A	30.000W	200J	40.000G	10UA	60V	70	2.000A
SDT3403	N	S	SDL	568	TO111		80X	6.0	5.000A	30.000W	200J	40.000G	10UA	80V	70	2.000A
SDT3404	N	S	SDL	568	TO111		100X	6.0	5.000A	30.000W	200J	40.000G	10UA	100V	70	2.000A
SDT3405	N	S	SDL	568	TO111		40X	6.0	5.000A	30.000W	200J	40.000G	10UA	40V	35	2.000A
SDT3406	N	S	SDL	568	TO111		60X	6.0	5.000A	30.000W	200J	40.000G	10UA	60V	35	2.000A
SDT3407	N	S	SDL	568	TO111		80X	6.0	5.000A	30.000W	200J	40.000G	10UA	80V	35	2.000A
SDT3408	N	S	SDL	568	TO111		100X	6.0	5.000A	30.000W	200J	40.000G	10UA	100V	35	2.000A
SDT3409	N	S	SDL	568	TO111		120X	6.0	5.000A	30.000W	200J	40.000G	10UA	120V	35	2.000A
SDT3421	N	S	SDL	211	TO 5		40X	6.0	5.000A	4.000W	200J	40.000G	10UA	40V	70	2.000A
SDT3422	N	S	SDL	211	TO 5		60X	6.0	5.000A	4.000W	200J	40.000G	10UA	60V	70	2.000A
SDT3423	N	S	SDL	211	TO 5		80X	6.0	5.000A	4.000W	200J	40.000G	10UA	80V	70	2.000A
SDT3424	N	S	SDL	211	TO 5		100X	6.0	5.000A	4.000W	200J	40.000G	10UA	100V	70	2.000A
SDT3425	N	S	SDL	211	TO 5		40X	6.0	5.000A	4.000W	200J	40.000G	10UA	40V	35	2.000A
SDT3426	N	S	SDL	211	TO 5		60X	6.0	5.000A	4.000W	200J	40.000G	10UA	60V	35	2.000A
SDT3427	N	S	SDL	211	TO 5		80X	6.0	5.000A	4.000W	200J	40.000G	10UA	80V	35	2.000A
SDT3428	N	S	SDL	211	TO 5		100X	6.0	5.000A	4.000W	200J	40.000G	10UA	100V	35	2.000A
SDT3429	N	S	SDL	211	TO 5		120X	6.0	5.000A	4.000W	200J	40.000G	10UA	120V	35	2.000A
SDT3501	P	S	SDL	211	TO 5	40	40	6.0	2.000A	4.000W	200J	50.000G	100NA	30V	45	.500A
SDT3502	P	S	SDL	211	TO 5	60	60	6.0	2.000A	4.000W	200J	50.000G	100NA	40V	45	.500A
SDT3503	P	S	SDL	211	TO 5	80	80	6.0	2.000A	4.000W	200J	50.000G	100NA	60V	45	.500A
SDT3504	P	S	SDL	211	TO 5	100	100	6.0	2.000A	4.000W	200J	50.000G	100NA	80V	45	.500A
SDT3505	P	S	SDL	211	TO 5	40	40	6.0	2.000A	4.000W	200J	50.000G	100NA	30V	88	.500A
SDT3506	P	S	SDL	211	TO 5	60	60	6.0	2.000A	4.000W	200J	50.000G	100NA	40V	88	.500A
SDT3507	P	S	SDL	211	TO 5	80	80	6.0	2.000A	4.000W	200J	50.000G	100NA	60V	88	.500A
SDT3508	P	S	SDL	211	TO 5	100	100	6.0	2.000A	4.000W	200J	50.000G	100NA	80V	88	.500A
SDT3509	P	S	SDL	605	TO 66	40	40	6.0	2.000A	16.600W	200J	50.000G	100NA	30V	45	.500A
SDT3510	P	S	SDL	605	TO 66	60	60	6.0	2.000A	16.600W	200J	50.000G	100NA	40V	45	.500A
SDT3511	P	S	SDL	605	TO 66	80	80	6.0	2.000A	16.600W	200J	50.000G	100NA	60V	45	.500A
SDT3512	P	S	SDL	605	TO 66	100	100	6.0	2.000A	16.600W	200J	50.000G	100NA	80V	45	.500A
SDT3513	P	S	SDL	605	TO 66	40	40	6.0	2.000A	16.600W	200J	50.000G	100NA	30V	88	.500A
SDT3514	P	S	SDL	605	TO 66	60	60	6.0	2.000A	16.600W	200J	50.000G	100NA	40V	88	.500A
SDT3515	P	S	SDL	605	TO 66	80	80	6.0	2.000A	16.600W	200J	50.000G	100NA	60V	88	.500A
SDT3516	P	S	SDL	605	TO 66	100	100	6.0	2.000A	16.600W	200J	50.000G	100NA	80V	88	.500A
SDT3601	P	S	SDL	403	TO 68		40X	5.0	60.000A	100.000W	200J	2.500G	10UA	40V	20	4.000A
SDT3602	P	S	SDL	403	TO 68		60X	5.0	60.000A	100.000W	200J	2.500G	10UA	60V	20	4.000A
SDT3603	P	S	SDL	403	TO 68		80X	5.0	60.000A	100.000W	200J	2.500G	10UA	80V	20	4.000A
SDT3604	P	S	SDL	403	TO 68		100X	5.0	60.000A	100.000W	200J	2.500G	10UA	100V	20	4.000A
SDT3901	P	S	SDL	563	TO114		40X	5.0	60.000A	125.000W	200J	2.500G	10UA	40V	20	4.000A
SDT3902	P	S	SDL	563	TO114		60X	5.0	60.000A	125.000W	200J	2.500G	10UA	60V	20	4.000A
SDT3903	P	S	SDL	563	TO114		80X	5.0	60.000A	125.000W	200J	2.500G	10UA	80V	20	4.000A
SDT3904	P	S	SDL	563	TO114		100X	5.0	60.000A	125.000W	200J	2.500G	10UA	100V	20	4.000A
SDT43D1	N	S	SDL	211	TO 5	40	40	10.0	2.000A	5.000W	200J	4.000G	150UA	30V	35	.500A
SDT4302	N	S	SDL	211	TO 5	60	60	10.0	2.000A	5.000W	200J	4.000G	150UA	40V	35	.500A
SDT43D3	N	S	SDL	211	TO 5	80	80	10.0	2.000A	5.000W	200J	4.000G	150UA	60V	35	.500A
SDT4304	N	S	SDL	211	TO 5	40	40	10.0	2.000A	5.000W	200J	4.000G	150UA	30V	70	.500A
SDT4305	N	S	SDL	211	TO 5	60	60	10.0	2.000A	5.000W	200J	4.000G	150UA	40V	70	.500A
SDT4306	N	S	SDL	211	TO 5	80	80	10.0	2.000A	5.000W	200J	4.000G	150UA	60V	70	.500A
SDT4307	N	S	SDL	211	TO 5	40	40	10.0	2.000A	5.000W	200J	4.000G	15DUA	30V	35	1.000A
SDT4308	N	S	SDL	211	TO 5	60	60	10.0	2.000A	5.000W	200J	4.000G	150UA	40V	35	1.000A
SDT4309	N	S	SDL	211	TO 5	8	80	10.0	2.000A	5.000W	200J	4.000G	15DUA	60V	35	1.000A

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T_J(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
SDT4310	N	S	SOL	211	TO 5	40	40	10.0	2.000A	5.000W	200J	4.000G	150UA	30V	70	1.000A
SDT4311	N	S	SOL	211	TO 5	60	60	10.0	2.000A	5.000W	200J	4.000G	150UA	40V	70	1.000A
SDT4312	N	S	SOL	211	TO 5	80	80	10.0	2.000A	5.000W	200J	4.000G	150UA	60V	70	1.000A
SDT4451	N	S	SOL	211	TO 5	80	40	8.0	5.000A	1.250W	200J	70.000G	1UA	60V	35	1.000A
SDT4452	N	S	SOL	211	TO 5	100	80	8.0	5.000A	1.250W	200J	70.000G	1UA	60V	35	1.000A
SDT4453	N	S	SOL	211	TO 5	80	40	8.0	5.000A	1.250W	200J	70.000G	1UA	60V	70	1.000A
SDT4454	N	S	SOL	211	TO 5	100	80	8.0	5.000A	1.250W	200J	70.000G	1UA	60V	70	1.000A
SDT4455	N	S	SOL	211	TO 5	80	40	8.0	5.000A	1.250W	200J	70.000G	1UA	60V	150	1.000A
SDT4456	N	S	SOL	211	TO 5	100	80	8.0	5.000A	1.250W	200J	70.000G	1UA	60V	150	1.000A
SDT4483	N	S	SOL	211	TO 5	60	40	5.0	5.000A	1.250W	200J	70.000G	1UA	60V	35	1.000A
SDT4551	N	S	SOL	490	490A	80	40	8.0	5.000A	20.000W	200J	70.000G	1UA	60V	35	1.000A
SDT4552	N	S	SOL	490	490A	100	80	8.0	5.000A	20.000W	200J	70.000G	1UA	60V	35	1.000A
SDT4553	N	S	SOL	490	490A	80	40	8.0	5.000A	20.000W	200J	70.000G	1UA	60V	70	1.000A
SDT4554	N	S	SOL	490	490A	100	80	8.0	5.000A	20.000W	200J	70.000G	1UA	60V	70	1.000A
SDT4555	N	S	SOL	490	490A	80	40	8.0	5.000A	20.000W	200J	70.000G	1UA	60V	150	1.000A
SDT4556	N	S	SOL	490	490A	100	80	8.0	5.000A	20.000W	200J	70.000G	1UA	60V	150	1.000A
SDT4583	N	S	SOL	490	490A	60	40	5.0	5.000A	20.000W	200J	70.000G	1UA	60V	35	1.000A
SDT4901	N	S	SOL	211	TO 5	225	200	8.0	5.000A	4.000W	200J	40.000G	1UA	100V	35	1.000A
SDT4902	N	S	SOL	211	TO 5	250	225	8.0	5.000A	4.000W	200J	40.000G	1UA	100V	35	1.000A
SDT4903	N	S	SOL	211	TO 5	275	250	8.0	5.000A	4.000W	200J	40.000G	1UA	100V	35	1.000A
SDT4904	N	S	SOL	211	TO 5	300	275	8.0	5.000A	4.000W	200J	40.000G	1UA	100V	35	1.000A
SDT4905	N	S	SOL	211	TO 5	325	300	8.0	5.000A	4.000W	200J	40.000G	1UA	100V	35	1.000A
SDT4921	N	S	SOL	605	TO 66	225	200	8.0	5.000A	20.000W	200J	40.000G	1UA	100V	35	1.000A
SDT4922	N	S	SOL	605	TO 66	250	225	8.0	5.000A	20.000W	200J	40.000G	1UA	100V	35	1.000A
SDT4923	N	S	SOL	605	TO 66	275	250	8.0	5.000A	20.000W	200J	40.000G	1UA	100V	35	1.000A
SDT4924	N	S	SOL	605	TO 66	300	275	8.0	5.000A	20.000W	200J	40.000G	1UA	100V	35	1.000A
SDT4925	N	S	SOL	605	TO 66	325	300	8.0	5.000A	20.000W	200J	40.000G	1UA	100V	35	1.000A
SDT5001	N	S	SOL	211	TO 46	60	40	8.0	2.000A	4.000W	200J	40.000G	1UA	100V	35	1.000A
SDT5002	N	S	SOL	211	TO 46	80	60	8.0	2.000A	4.000W	200J	85.000G	100NA	30V	88	.500A
SDT5003	N	S	SOL	211	TO 46	100	80	8.0	2.000A	4.000W	200J	85.000G	100NA	30V	88	.500A
SDT5004	N	S	SOL	211	TO 46	140	100	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	88	.500A
SDT5005	N	S	SOL	211	TO 46	180	120	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	88	.500A
SDT5006	N	S	SOL	211	TO 46	60	40	8.0	2.000A	4.000W	200J	85.000G	100NA	30V	45	.500A
SDT5007	N	S	SOL	211	TO 46	80	60	8.0	2.000A	4.000W	200J	85.000G	100NA	30V	45	.500A
SDT5008	N	S	SOL	211	TO 46	100	80	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	45	.500A
SDT5009	N	S	SOL	211	TO 46	140	100	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	45	.500A
SDT5010	N	S	SOL	211	TO 46	180	120	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	45	.500A
SDT5011	N	S	SOL	211	TO 46	60	40	8.0	2.000A	4.000W	200J	85.000G	100NA	30V	180	.500A
SDT5012	N	S	SOL	211	TO 46	80	60	8.0	2.000A	4.000W	200J	85.000G	100NA	30V	180	.500A
SDT5013	N	S	SOL	211	TO 46	100	80	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	180	.500A
SDT5014	N	S	SOL	211	TO 46	140	100	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	180	.500A
SDT5015	N	S	SOL	211	TO 46	180	120	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	180	.500A
SDT5051	N	S	SOL	211	TO 46	175	150	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	88	.500A
SDT5052	N	S	SOL	211	TO 46	200	175	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	88	.500A
SDT5053	N	S	SOL	211	TO 46	225	200	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	88	.500A
SDT5054	N	S	SOL	211	TO 46	175	150	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	45	.500A
SDT5055	N	S	SOL	211	TO 46	200	175	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	45	.500A
SDT5056	N	S	SOL	211	TO 46	225	200	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	45	.500A
SDT5501	N	S	SOL	211	TO 5	60	40	8.0	2.000A	4.000W	200J	85.000G	100NA	30V	88	.500A
SDT5502	N	S	SOL	211	TO 5	80	60	8.0	2.000A	4.000W	200J	85.000G	100NA	30V	88	.500A
SDT5503	N	S	SOL	211	TO 5	100	80	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	88	.500A
SDT5504	N	S	SOL	211	TO 5	140	100	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	88	.500A
SDT5505	N	S	SOL	211	TO 5	180	140	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	88	.500A
SDT5506	N	S	SOL	211	TO 5	60	40	8.0	2.000A	4.000W	200J	85.000G	100NA	30V	45	.500A
SDT5507	N	S	SOL	211	TO 5	80	60	8.0	2.000A	4.000W	200J	85.000G	100NA	30V	45	.500A
SDT5508	N	S	SOL	211	TO 5	100	80	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	45	.500A
SDT5509	N	S	SOL	211	TO 5	140	100	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	45	.500A
SDT5510	N	S	SOL	211	TO 5	180	140	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	45	.500A
SDT5511	N	S	SOL	211	TO 5	60	40	8.0	2.000A	4.000W	200J	85.000G	100NA	30V	180	.500A
SDT5512	N	S	SOL	211	TO 5	80	60	8.0	2.000A	4.000W	200J	85.000G	100NA	30V	180	.500A
SDT5513	N	S	SOL	211	TO 5	100	80	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	180	.500A
SDT5514	N	S	SOL	211	TO 5	140	100	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	180	.500A
SDT5515	N	S	SOL	211	TO 5	180	140	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	180	.500A
SDT5551	N	S	SOL	211	TO 5	175	150	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	88	.500A
SDT5552	N	S	SOL	211	TO 5	200	175	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	88	.500A
SDT5553	N	S	SOL	211	TO 5	225	200	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	88	.500A
SDT5554	N	S	SOL	211	TO 5	175	150	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	45	.500A
SDT5555	N	S	SOL	211	TO 5	200	175	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	45	.500A
SDT5556	N	S	SOL	211	TO 5	225	200	8.0	2.000A	4.000W	200J	85.000G	100NA	60V	45	.500A
SDT5901	N	S	SOL	605	TO 3	60	40	8.0	2.000A	16.600W	200J	85.000G	100NA	30V	88	.500A
SDT5902	N	S	SOL	605	TO 3	80	60	8.0	2.000A	16.600W	200J	85.000G	100NA	30V	88	.500A
SDT5903	N	S	SOL	605	TO 3	100	80	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	88	.500A
SDT5904	N	S	SOL	605	TO 3	140	100	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	88	.500A
SDT5905	N	S	SOL	605	TO 3	180	120	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	88	.500A
SDT5906	N	S	SOL	605	TO 3	60	40	8.0	2.000A	16.600W	200J	85.000G	100NA	30V	45	.500A
SDT5907	N	S	SOL	605	TO 3	80	60	8.0	2.000A	16.600W	200J	85.000G	100NA	30V	45	.500A
SDT5908	N	S	SOL	605	TO 3	100	80	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	45	.500A
SDT5909	N	S	SOL	605	TO 3	140	100	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	45	.500A
SDT5910	N	S	SOL	605	TO 3	180	120	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	45	.500A
SDT5911	N	S	SOL	605	TO 3	60	40	8.0	2.000A	16.600W	200J	85.000G	100NA	30V	180	.500A
SDT5912	N	S	SOL	605	TO 3	80	60	8.0	2.000A	16.600W	200J	85.000G	100NA	30V	180	.500A
SDT5913	N	S	SOL	605	TO 3	100	80	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	180	.500A
SDT5914	N	S	SOL	605	TO 3	140	100	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	180	.500A
SDT5915	N	S	SOL	605	TO 3	180	120	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	180	.500A
SDT5951	N	S	SOL	605	TO 3	175	150	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	88	.500A
SDT5952	N	S	SOL	605	TO 3	200	175	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	88	.500A
SDT5953	N	S	SOL	605	TO 3	225	200	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	88	.500A
SDT5954	N	S	SOL	605	TO 3	175	150	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	45	.500A
SDT5955	N	S	SOL	605	TO 3	200	175	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	45	.500A
SDT5956	N	S	SOL	605	TO 3	225	200	8.0	2.000A	16.600W	200J	85.000G	100NA	60V	45	.500A
SDT6001	N	S	SOL	561	TO 62	100	50	5.0	5.000A	40.000W	200J	70.000G	1UA	60V	15	1.000A
SDT6011	N	S	SOL	561	TO 62	80	40	8.0	5.000A	40.000W	200J	70.000G	1UA	60V	35	1.000A
SDT6012	N	S	SOL	561	TO 62	100	80	8.0	5.000A	40.000W	200J	70.000G	1UA	60V	35	1.000A
SDT6013	N	S	SOL	561	TO 62	80	40	8.0	5.000A	40.000W	200J	70.000G	1UA	60V	70	1.000A
SDT6014	N	S	SOL	561	TO 62	100	80	8.0	5.000A	40.000W	200J	70.000G	1UA	60V	70	1.000A
SDT6015	N	S	SOL	561	TO 62	80	40	8.0	5.000A	40.000W	200J	70.000G	1UA	60V	150	1.000A
SDT6016	N	S	SOL	561	TO 62	100	100	8.0	5.000A	40.000W	200J	70.000G	1UA	60V	150	1.000A
SDT6031	N	S	SOL	561	TO 62	60	40	5.0	5.000A	40.000W	200J	70.000G	1UA	60V	35	1.000A
SDT6308	N	S	SOL	581	TO111	60	40	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	35	1.000A
SDT6309	N	S	SOL	581	TO111	80	60	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	35	1.000A
SDT6310	N	S	SOL	581	TO111	100	80	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	35	1.000A
SDT6311	N	S	SOL	581	TO111	60	40	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	70	1.000A
SDT6312	N	S	SOL	581	TO111	80	60	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	70	1.000A
SDT6313	N	S	SOL	581	TO111	100	80	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	70	1.000A
SDT6314	N	S	SOL	581	TO111	60	40	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	150	1.000A
SDT6315	N	S	SOL	581	TO111	80	60	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	150	1.000A
SDT6316	N	S	SOL	581	TO111	100	80	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	150	1.000A
SDT6408	N	S	SOL	568	TO111	60	40	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	35	1.000A
SDT6409	N	S	SOL	568	TO111	80	60	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	35	1.000A

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{(BR)CBO}$	$V_{(BR)CEO}$	$V_{(BR)EBO}$	Maximum I_C	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
SDT6410	N	S	SOL	568	TO111	100	80	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	35	1.000A
SDT6411	N	S	SOL	568	TO111	60	40	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	70	1.000A
SDT6412	N	S	SOL	568	TO111	80	60	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	70	1.000A
SDT6413	N	S	SOL	568	TO111	100	80	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	70	1.000A
SDT6414	N	S	SOL	568	TO111	60	40	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	150	1.000A
SDT6415	N	S	SOL	568	TO111	80	60	8.0	5.000A	30.000W	200J	70.000G	1UA	60V	150	1.000A
SDT6416	N	S	SOL	568	TO111	100	80	8.0	5.000A	30.000W	200J	70.000G	UA	60V	150	1.000A
SDT6901	N	S	SOL	605	TO 66	145	125	8.0	5.000A	20.000W	200J	20.000G	1UA	60V	35	1.000A
SDT6902	N	S	SOL	605	TO 66	170	150	8.0	5.000A	20.000W	200J	20.000G	1UA	60V	35	1.000A
SDT6903	N	S	SOL	605	TO 66	195	175	8.0	5.000A	20.000W	200J	20.000G	1UA	60V	35	1.000A
SDT6904	N	S	SOL	605	TO 66	220	200	8.0	5.000A	20.000W	200J	20.000G	1UA	60V	35	1.000A
SDT6905	N	S	SOL	605	TO 66	145	125	8.0	5.000A	20.000W	200J	20.000G	1UA	60V	70	1.000A
SDT6906	N	S	SOL	605	TO 66	170	150	8.0	5.000A	20.000W	200J	20.000G	1UA	60V	70	1.000A
SDT6907	N	S	SOL	605	TO 66	195	175	8.0	5.000A	20.000W	200J	20.000G	1UA	60V	70	1.000A
SDT6908	N	S	SOL	605	TO 66	220	200	8.0	5.000A	20.000W	200J	20.000G	1UA	60V	70	1.000A
SDT7011	N	S	SOL	561	TO 61	60	40	5.0	10.000A	50.000W	200J	60.000G	1UA	60V	15	5.000A
SDT7012	N	S	SOL	561	TO 61	80	60	5.0	10.000A	50.000W	200J	60.000G	1UA	60V	35	5.000A
SDT7013	N	S	SOL	561	TO 61	100	80	5.0	10.000A	50.000W	200J	60.000G	1UA	60V	35	5.000A
SDT7014	N	S	SOL	561	TO 61	60	40	5.0	10.000A	50.000W	200J	60.000G	1UA	60V	70	5.000A
SDT7015	N	S	SOL	561	TO 61	80	60	5.0	10.000A	50.000W	200J	60.000G	1UA	60V	70	5.000A
SDT7016	N	S	SOL	561	TO 61	100	80	5.0	10.000A	50.000W	200J	60.000G	1UA	60V	70	5.000A
SDT7017	N	S	SOL	561	TO 61	60	40	5.0	10.000A	50.000W	200J	60.000G	1UA	60V	150	5.000A
SDT7018	N	S	SOL	561	TO 61	80	60	5.0	10.000A	50.000W	200J	60.000G	1UA	60V	150	5.000A
SDT7019	N	S	SOL	561	TO 61	100	80	5.0	10.000A	50.000W	200J	60.000G	1UA	60V	150	5.000A
SDT7140	N	S	SOL	561	TO 61	120	100	5.0	10.000A	50.000W	200J		100NA	60V	70	5.000A
SDT7141	N	S	SOL	561	TO 61	200	150	5.0	10.000A	50.000W	200J		100NA	100V	70	5.000A
SDT7150	N	S	SOL	561	TO 61	140	120	5.0	10.000A	50.000W	200J		500NA	60V	35	5.000A
SDT7151	N	S	SOL	561	TO 61	170	150	5.0	10.000A	50.000W	200J		500NA	100V	35	5.000A
SDT7152	N	S	SOL	561	TO 61	220	200	5.0	10.000A	50.000W	200J		500NA	100V	35	5.000A
SDT7154	N	S	SOL	561	TO 61	140	100	5.0	10.000A	50.000W	200J		500NA	60V	70	5.000A
SDT7155	N	S	SOL	561	TO 61	170	150	5.0	10.000A	50.000W	200J		500NA	100V	70	5.000A
SDT7156	N	S	SOL	561	TO 61	220	200	5.0	10.000A	50.000W	200J		500NA	100V	70	5.000A
SDT7201	N	S	SOL	605	TO 3	225	200	8.0	10.000A	65.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7202	N	S	SOL	605	TO 3	250	225	8.0	10.000A	65.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7203	N	S	SOL	605	TO 3	275	250	8.0	10.000A	65.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7204	N	S	SOL	605	TO 3	325	300	8.0	10.000A	65.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7205	N	S	SOL	605	TO 3	350	325	8.0	10.000A	65.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7206	N	S	SOL	605	TO 3	150	150	8.0	10.000A	65.000W	200J	50.000G	10UA	100V	15	5.000A
SDT7207	N	S	SOL	605	TO 3	200	200	8.0	10.000A	65.000W	200J	50.000G	10UA	100V	22	5.000A
SDT7208	N	S	SOL	605	TO 3	250	250	8.0	10.000A	65.000W	200J	50.000G	10UA	100V	22	5.000A
SDT7209	N	S	SOL	605	TO 3	300	300	8.0	10.000A	65.000W	200J	50.000G	10UA	100V	22	5.000A
SDT7401	N	S	SOL	211	TO 5	60	40	5.0	10.000A	5.000W	200J	15.000G	1UA	30V	70	5.000A
SDT7402	N	S	SOL	211	TO 5	80	60	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	70	5.000A
SDT74D3	N	S	SOL	211	TO 5	100	80	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	70	5.000A
SDT7411	N	S	SOL	211	TO 5	60	40	5.0	10.000A	5.000W	200J	15.000G	1UA	30V	35	5.000A
SDT7412	N	S	SOL	211	TO 5	80	60	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	35	5.000A
SDT7413	N	S	SOL	211	TO 5	100	80	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	35	5.000A
SDT7414	N	S	SOL	211	TO 5	60	40	5.0	10.000A	5.000W	200J	15.000G	1UA	30V	70	5.000A
SDT7415	N	S	SOL	211	TO 5	80	60	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	70	5.000A
SDT7416	N	S	SOL	211	TO 5	100	80	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	70	5.000A
SDT7417	N	S	SOL	211	TO 5	60	40	5.0	10.000A	5.000W	200J	15.000G	1UA	30V	150	5.000A
SDT7418	N	S	SOL	211	TO 5	80	60	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	150	5.000A
SDT7419	N	S	SOL	211	TO 5	100	80	5.0	10.000A	5.000W	200J	15.000G	1UA	60V	150	5.000A
SDT7601	N	S	SOL	605	TO 3	60	40	8.0	10.000A	65.000W	200J	60.000G	500NA	30V	70	5.000A
SDT7602	N	S	SOL	605	TO 3	80	60	8.0	10.000A	65.000W	200J	60.000G	500NA	30V	70	5.000A
SDT76D3	N	S	SOL	605	TO 3	100	80	8.0	10.000A	65.000W	200J	60.000G	500NA	60V	70	5.000A
SDT7604	N	S	SOL	605	TO 3	140	120	8.0	10.000A	65.000W	200J	60.000G	500NA	60V	70	5.000A
SDT7605	N	S	SOL	605	TO 3	170	150	8.0	10.000A	65.000W	200J	60.000G	500NA	100V	70	5.000A
SDT7607	N	S	SOL	605	TO 3	60	40	8.0	10.000A	65.000W	200J	60.000G	500NA	30V	35	5.000A
SDT7608	N	S	SOL	605	TO 3	80	60	8.0	10.000A	65.000W	200J	60.000G	500NA	30V	35	5.000A
SDT7609	N	S	SOL	605	TO 3	100	80	8.0	10.000A	65.000W	200J	60.000G	500NA	60V	35	5.000A
SDT7610	N	S	SOL	605	TO 3	140	100	8.0	10.000A	65.000W	200J	60.000G	500NA	60V	35	5.000A
SDT7611	N	S	SOL	605	TO 3	170	150	8.0	10.000A	65.000W	200J	60.000G	500NA	100V	35	5.000A
SDT7612	N	S	SOL	605	TO 3	220	200	8.0	10.000A	65.000W	200J	60.000G	500NA	100V	35	5.000A
SDT7801	N	S	SOL	561	TO 61	225	200	8.0	10.000A	50.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7802	N	S	SOL	561	TO 61	250	225	8.0	10.000A	50.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7803	N	S	SOL	561	TO 61	275	250	8.0	10.000A	50.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7804	N	S	SOL	561	TO 61	325	300	8.0	10.000A	50.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7805	N	S	SOL	561	TO 61	350	325	8.0	10.000A	50.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7806	N	S	SOL	561	TO 61	150	150	8.0	10.000A	50.000W	200J	50.000G	10UA	100V	15	5.000A
SDT7807	N	S	SOL	561	TO 61	200	200	8.0	10.000A	50.000W	200J	50.000G	10UA	100V	22	5.000A
SDT7808	N	S	SOL	561	TO 61	250	250	8.0	10.000A	50.000W	200J	50.000G	10UA	100V	22	5.000A
SDT7809	N	S	SOL	561	TO 61	300	300	8.0	10.000A	50.000W	200J	50.000G	10UA	100V	22	5.000A
SDT7901	N	S	SOL	605	TO 66	225	200	8.0	10.000A	25.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7902	N	S	SOL	605	TO 66	250	225	8.0	10.000A	25.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7903	N	S	SOL	605	TO 66	275	250	8.0	10.000A	25.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7904	N	S	SOL	605	TO 66	325	300	8.0	10.000A	25.000W	200J	50.000G	1UA	100V	35	5.000A
SDT79D5	N	S	SOL	605	TO 66	350	325	8.0	10.000A	25.000W	200J	50.000G	1UA	100V	35	5.000A
SDT7907	N	S	SOL	605	TO 66	200	200	8.0	10.000A	25.000W	200J	50.000G	10UA	100V	22	5.000A
SDT7908	N	S	SOL	605	TO 66	250	250	8.0	10.000A	25.000W	200J	50.000G	10UA	100V	22	5.000A
SDT7909	N	S	SOL	605	TO 66	300	300	8.0	10.000A	25.000W	200J	50.000G	10UA	100V	22	5.000A
SDT7910	N	S	SOL	605	TO 66	150	150	8.0	10.000A	25.000W	200J	50.000G	10UA	100V	15	5.000A
SDT8002	N	S	SOL	561	TO 63	80	60	8.0	20.000A	100.000W	200J	35.000G	100UA	60V	70	10.000A
SDT8003	N	S	SOL	561	TO 63	100	80	8.0	20.000A	100.000W	200J	35.000G	100UA	60V	70	10.000A
SDT8012	N	S	SOL	561	TO 63	80	60	8.0	20.000A	100.000W	200J	35.000G	1DUA	60V	35	10.000A
SDT8013	N	S	SOL	561	TO 63	100	80	8.0	20.000A	100.000W	200J	35.000G	1DUA	60V	35	10.000A
SDT8D15	N	S	SOL	561	TO 63	80	60	8.0	20.000A	100.000W	200J	35.000G	10UA	60V	70	10.000A
SDT8016	N	S	SOL	561	TO 63	100	80	8.0	20.000A	100.000W	200J	35.000G	10UA	60V	70	10.000A
SDT8045	N	S	SOL	561	TO 63	40	25	5.0	20.000A	100.000W	200J	35.000G	10UA	25V	60	10.000A
SDT8070	N	S	SOL	561	TO 63	80	60	8.0	20.000A	100.000W	200J	35.000G	1DUA	60V	150	10.000A
SDT8071	N	S	SOL	561	TO 63	100	80	8.0	20.000A	100.000W	200J	35.000G	1DUA	60V	150	10.000A
SDT8105	N	S	SOL	913	913A	80	60	8.0	20.000A	65.000W	200J	30.000G	100UA	60V	70	10.000A
SDT8106	N	S	SOL	913	913A	100	80	8.0	20.000A	65.000W	200J	30.000G	100UA	60V	70	10.000A
SDT8110	N	S	SOL	913	913A	80	60	8.0	20.000A	65.000W	200J	30.000G	1DUA	60V	150	10.000A
SDT8111	N	S	SOL	913	913A	100	80	8.0	20.000A	65.000W	200J	30.000G	1DUA	60V	150	10.000A
SDT8112	N	S	SOL	913	913A	80	60	8.0	20.000A	65.000W	200J	30.000G	1DUA	60V	35	10.000A
SDT8113	N	S	SOL	913	913A	100	80	8.0	20.000A	65.000W	200J	30.000G	10UA	60V	35	10.000A
SDT8114	N	S	SOL	913	913A	40	25	8.0	20.000A	65.000W	200J	30.000G	10UA	25V	60	10.000A
SDT8115	N	S	SOL	913	913A	80	60	8.0	20.000A	65.000W	200J	30.000G	1DUA	60V	60	10.000A
SDT8116	N	S	SOL	913	913A	100	80	8.0	20.000A	65.000W	200J	30.000G	1DUA	60V	60	10.000A
SDT8301	N	S	SOL	561	TO 63	80	60	8.0	30.000A	100.000W	200J	35.000G	10UA	60V	70	10.000A
SDT8302	N	S	SOL	561	TO 63	100	80	8.0	30.000A	100.000W	200J	35.000G	10UA	60V	70	10.000A
SDT8303	N	S	SOL	561	TO 63	80	60	8.0	30.000A	100.000W	200J	35.000G	10UA	60V	150	10.000A
SDT8304	N	S	SOL	561	TO 63	100	80	8.0	30.000A	100.000W	200J	35.000G	10UA	60V	150	10.000A
SDT8601	N	S	SOL	403	TO 68	80	60	8.0	100.000A	166.000W	200J	20.000G	10UA	60V	15	75.000A
SDT8602	N	S	SOL	403	TO 68	100	80	8.0	100.000A	166.000W	200J	20.000G	10UA	60V	15	75.000A
SDT8603	N	S	SOL	403	TO 68	120	100	8.0	100.000A	166.000W	200J	20.000G	1DUA	60V	15	75.000A
SDT8604	N	S	SOL	403	TO 68	140	120	8.0	100.000A	166.000W	200J	20.000G	10UA	60V	15	75.000A
SDT8651	N	S	SOL	403	TO 68	200	200	8.0	60.000A	166.000W	200J		10UA	100V	20	40.000A

Transistor Type No.	N, P	C, S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{FE} @	I_c
SDT8652	N	S	SDL	403	TD 68	225	225	8.0	60.000A	166.000W	200J		10UA	100V	20	40.000A
SDT8653	N	S	SDL	403	TD 68	250	250	8.0	60.000A	166.000W	200J		10UA	100V	20	40.000A
SDT8654	N	S	SDL	403	TO 68	275	275	8.0	60.000A	166.000W	200J		10UA	100V	20	40.000A
SDT8655	N	S	SDL	403	TD 68	300	300	8.0	60.000A	166.000W	200J		10UA	100V	20	40.000A
SDT8751	N	S	SDL	561	TD 63	120	100	8.0	20.000A	100.000W	200J	30.000G	10UA	60V	30	10.000A
SDT8752	N	S	SDL	561	TO 63	140	120	8.0	20.000A	100.000W	200J	30.000G	10UA	70V	30	10.000A
SDT8753	N	S	SDL	561	TO 63	170	150	8.0	20.000A	100.000W	200J	30.000G	10UA	80V	30	10.000A
SDT8754	N	S	SDL	561	TD 63	200	180	8.0	20.000A	100.000W	200J	30.000G	10UA	100V	30	10.000A
SDT8755	N	S	SDL	561	TD 63	120	100	8.0	20.000A	100.000W	200J	30.000G	10UA	60V	52	10.000A
SDT8756	N	S	SDL	561	TO 63	140	120	8.0	20.000A	100.000W	200J	30.000G	10UA	70V	52	10.000A
SDT8757	N	S	SDL	561	TD 63	170	150	8.0	20.000A	100.000W	200J	30.000G	10UA	80V	52	10.000A
SDT8758	N	S	SDL	561	TD 63	200	180	8.0	20.000A	100.000W	200J	30.000G	10UA	100V	52	10.000A
SDT8801	N	S	SDL	561	TO 63	200	200	8.0	20.000A	100.000W	200J	30.000G	1UA	60V	30	10.000A
SDT8802	N	S	SDL	561	TO 63	225	225	8.0	20.000A	100.000W	200J	30.000G	1UA	60V	30	10.000A
SDT8803	N	S	SDL	561	TO 63	250	250	8.0	20.000A	100.000W	200J	30.000G	1UA	60V	30	10.000A
SDT8804	N	S	SDL	561	TO 63	275	275	8.0	20.000A	100.000W	200J	30.000G	1UA	60V	30	10.000A
SDT8805	N	S	SDL	561	TO 63	300	300	8.0	20.000A	100.000W	200J	30.000G	1UA	60V	30	10.000A
SDT8920	N	S	SDL	561	TO114	80	60	8.0	100.000A	200.000W	200J		10UA	60V	15	75.000A
SDT8921	N	S	SDL	561	TO114	100	80	8.0	100.000A	200.000W	200J		10UA	60V	15	75.000A
SDT8922	N	S	SDL	561	TO114	120	100	8.0	100.000A	200.000W	200J		10UA	60V	15	75.000A
SDT8923	N	S	SDL	561	TO114	140	120	8.0	100.000A	200.000W	200J		10UA	60V	15	75.000A
SDT8951	N	S	SDL	561	TO114	200	200	8.0	60.000A	200.000W	200J		10UA	100V	20	40.000A
SDT8952	N	S	SDL	561	TO114	225	225	8.0	60.000A	200.000W	200J		10UA	100V	20	40.000A
SDT8953	N	S	SDL	561	TO114	250	250	8.0	60.000A	200.000W	200J		10UA	100V	20	40.000A
SDT8954	N	S	SDL	561	TO114	275	275	8.0	60.000A	200.000W	200J		10UA	100V	20	40.000A
SDT8955	N	S	SDL	561	TO114	300	300	8.0	60.000A	200.000W	200J		10UA	100V	20	40.000A
SDT9001	N	S	SDL	211	TO 5	50	30	5.0	5.000A	1.250W	200J	70.000G	1UA	25V	30	1.000A
SDT9002	N	S	SDL	211	TD 5	70	50	5.0	5.000A	1.250W	200J	70.000G	1UA	25V	30	1.000A
SDT9003	N	S	SDL	211	TO 5	90	70	5.0	5.000A	1.250W	200J	70.000G	1UA	25V	30	1.000A
SDT9004	N	S	SDL	211	TO 5	50	30	5.0	5.000A	1.250W	200J	70.000G	1UA	25V	52	1.000A
SDT9005	N	S	SDL	211	TO 5	70	50	5.0	5.000A	1.250W	200J	70.000G	1UA	25V	52	1.000A
SDT9006	N	S	SDL	211	TO 5	90	70	5.0	5.000A	1.250W	200J	70.000G	1UA	25V	52	1.000A
SDT9007	N	S	SDL	211	TO 5	50	30	5.0	5.000A	1.250W	200J	70.000G	1UA	25V	88	1.000A
SDT9008	N	S	SDL	211	TO 5	70	50	5.0	5.000A	1.250W	200J	70.000G	1UA	25V	88	1.000A
SDT9009	N	S	SDL	211	TO 5	90	70	5.0	5.000A	1.250W	200J	70.000G	1UA	25V	88	1.000A
SDT9010	N	S	SDL	211	TO 5	50	30	5.0	5.000A	1.250W	200J	70.000G	1UA	25V	150	1.000A
SDT9011	N	S	SDL	211	TO 5	70	50	5.0	5.000A	1.250W	200J	70.000G	1UA	25V	150	1.000A
SDT9012	N	S	SDL	211	TO 5	90	70	5.0	5.000A	1.250W	200J	70.000G	1UA	25V	150	1.000A
SDT9201	N	S	SDL	605	TO 3	55	45	12.0	15.000A	115.000W	200J		2MA	30V	38	4.000A
SDT9202	N	S	SDL	605	TO 3	100	80	12.0	15.000A	115.000W	200J		700UA	30V	38	4.000A
SDT9203	N	S	SDL	605	TO 3	120	100	12.0	15.000A	115.000W	200J		700UA	30V	38	4.000A
SDT9204	N	S	SDL	605	TO 3	140	120	12.0	15.000A	115.000W	200J		700UA	30V	38	4.000A
SDT9205	N	S	SDL	605	TO 3	55	45	12.0	15.000A	115.000W	200J		700UA	30V	38	4.000A
SDT9206	N	S	SDL	605	TO 3	80	60	12.0	15.000A	115.000W	200J		2MA	30V	32	4.000A
SDT9207	N	S	SDL	605	TO 3	100	80	12.0	15.000A	115.000W	200J		700UA	30V	32	4.000A
SDT9208	N	S	SDL	605	TO 3	120	100	12.0	15.000A	115.000W	200J		700UA	30V	32	4.000A
SDT9209	N	S	SDL	605	TO 3	140	120	12.0	15.000A	115.000W	200J		700UA	30V	32	4.000A
SDT9210	N	S	SDL	605	TO 3	40	30	5.0	15.000A	115.000W	200J		700UA	30V	32	4.000A
SDT9701	N	S	SDL	605	TD 3	100	80	7.0	15.000A	150.000W	200J		5MA	20V	30	2.000A
SDT9702	N	S	SDL	605	TO 3	120	100	7.0	15.000A	150.000W	200J	.200G	5MA	100V	30	8.000A
SDT9703	N	S	SDL	605	TO 3	140	120	7.0	15.000A	150.000W	200J	.200G	5MA	120V	30	8.000A
SDT9704	N	S	SDL	605	TO 3	100	80	7.0	15.000A	150.000W	200J	.200G	5MA	140V	30	8.000A
SDT9705	N	S	SDL	605	TO 3	120	100	7.0	15.000A	150.000W	200J	.200G	5MA	100V	40	5.000A
SDT9706	N	S	SDL	605	TO 3	140	120	7.0	15.000A	150.000W	200J	.200G	5MA	120V	40	5.000A
SDT9707	N	S	SDL	605	TD 3	80	60	7.0	15.000A	150.000W	200J	.200G	5MA	140V	40	5.000A
SDT9801	N	S	SDL	561	TO 61	60	40	12.0	15.000A	65.000W	200J	.200G	10MA	80V	23	4.000A
SDT9802	N	S	SDL	561	TO 61	80	60	12.0	15.000A	65.000W	200J		1UA	40V	35	5.000A
SDT9803	N	S	SDL	561	TO 61	100	80	12.0	15.000A	65.000W	200J		1UA	60V	35	5.000A
SDT9804	N	S	SDL	561	TO 61	120	100	12.0	15.000A	65.000W	200J		1UA	80V	35	5.000A
SDT9901	N	S	SDL	605	TO 3	60	40	12.0	15.000A	83.000W	200J		1UA	100V	35	5.000A
SDT9902	N	S	SDL	605	TO 3	80	60	12.0	15.000A	83.000W	200J		1UA	60V	35	5.000A
SDT9903	N	S	SDL	605	TO 3	100	80	12.0	15.000A	83.000W	200J		1UA	60V	35	5.000A
SDT9904	N	S	SDL	605	TO 3	120	100	12.0	15.000A	83.000W	200J		1UA	80V	35	5.000A
SE1001			SEE 2N3693										1UA	100V	35	5.000A
SE1002			SEE 2N3694													
SE1010			SEE 2N3564													
SE3001	N	S	FSC	173	TO106	30	12	2.0		.200W		900.000G	50NA	30V	60	.008A
SE3005	N	S	FSC	173	TO106	30	15	4.0		.200W	125J	800.000G	10NA	15V	100	.008A
SE3031	-N	S	FSC	605	TO 3	150	80	6.0	5.000A	15.000W	150J	50.000G	1UA	100V	75	2.000A
SE3032	-N	S	FSC	605	TD 3	120	60	6.0	5.000A	15.000W	150J	80.000G	1UA	60V	150	2.000A
SE3033	-N	S	FSC	605	TO 3	120	60	6.0	5.000A	15.000W	150J	50.000G	1UA	60V	75	2.000A
SE3035	-N	S	FSC	605	TO 3	80	40	6.0	5.000A	15.000W	150J	120.000G	10UA	30V	80	2.000A
SE3036	-N	S	FSC	605	TO 3	40	40	5.0	5.000A	15.000W	150J	120.000G	10UA	30V	80	.500A
SE3040	-N	S	FSC	605	TO 66	80	40	6.0	5.000A	15.000W	150J	50.000G	10UA	30V	75	2.000A
SE3041	-N	S	FSC	605	TO 66	120	60	6.0	5.000A	15.000W	150J	50.000G	1UA	60V	75	2.000A
SE4001	N	S	FSC	173	TO106	30	25	6.0		.200W		100.000G	50NA	30V	135	.001A
SE4002	N	S	FSC	173	TO106	30	25	6.0		.200W		100.000G	50NA	30V	450	.001A
SE4010	N	S	FSC	173	TO106	30	25	6.0		.200W		100.000G	50NA	30V	450	.001A
SE5001			SEE 2N3688													
SE5002			SEE 2N3689													
SE5003			SEE 2N3690													
SE6002			SEE 2N3566													
SE7030	N	S	FSC	605	TO 66	300	300	8.0	.400A	10.000W	150J	30.000G	1UA	200V	100	.050A
SE9060	N	S	FSC	605	TO 66		80S	6.0	2.000A	20.000W	150J	50.000G	10UA	40V	55	1.000A
SE9061	N	S	FSC	605	TO 66		80S	6.0	2.000A	20.000W	150J	60.000G	10UA	40V	82	1.000A
SE9062	N	S	FSC	605	TO 66		100S	6.0	2.000A	20.000W	150J	50.000G	10UA	60V	55	1.000A
SE9063	N	S	FSC	605	TO 66		100S	6.0	2.000A	20.000W	150J	60.000G	10UA	60V	82	1.000A
SE9070	N	S	FSC	605	TO 3		80S	6.0	2.000A	25.000W	150J	50.000G	10UA	40V	50	1.000A
SE9071	N	S	FSC	605	TD 3		80S	6.0	2.000A	25.000W	150J	60.000G	10UA	40V	98	1.000A
SE9072	N	S	FSC	605	TO 3		100S	6.0	2.000A	25.000W	150J	50.000G	10UA	60V	50	1.000A
SE9073	N	S	FSC	605	TO 3		100S	6.0	2.000A	25.000W	150J	60.000G	10UA	60V	98	1.000A
SE9080	N	S	FSC	605	TO 3		80S	6.0	5.000A	33.000W	150J	60.000G	10UA	40V	50	2.500A
SE9081	N	S	FSC	605	TD 3		80S	6.0	5.000A	33.000W	150J	70.000G	10UA	40V	125	2.500A
SE9082	N	S	FSC	605	TO 3		100S	6.0	5.000A	33.000W	150J	60.000G	10UA	60V	50	2.500A
SE9083	N	S	FSC	605	TO 3		100S	6.0	5.000A	33.000W	150J	70.000G	10UA	60V	125	2.500A
SE9570	P	S	FSC	605	TO 3		80S	6.0	2.000A	25.000W	150J	50.000G	10UA	40V	50	1.000A
SE9571	P	S	FSC	605	TO 3		80S	6.0	2.000A	25.000W	150J	60.000G	10UA	40V	125	1.000A
SE9572	P	S	FSC	605	TO 3		100S	8.0	2.000A	25.000W	150J	50.000G	10UA	60V	50	1.000A
SE9573	P	S	FSC	605	TO 3		100S	8.0	2.000A	25.000W	150J	60.000G	10UA	60V	125	1.000A
SE9580	P	S	FSC	605	TO 3		80S	5.0	5.000A	33.000W	150J	60.000G	10UA	40V	50	2.500A
SE9581	P	S	FSC	605	TO 3		80S	5.0	5.000A	33.000W	150J	70.000G	10UA	40V	118	2.500A
SE9582	P	S	FSC	605	TO 3		100S	5.0	5.000A	33.000W	150J	60.000G	10UA	60V	50	2.500A
SE9583	P	S	FSC	605	TO 3		100S	5.0	5.000A	33.000W	150J	70.000G	10UA	60V	118	2.500A
SF.T124	P	G	CSF	181	181A	24	30	12.0	.500A	.350W	100J	1.000B	20UA	24V	30	
SF.T125	P	G	CSF	181	181A	24	20	12.0	.500A	.350W	100J	2.000B	20UA	24V	90	
SF.T125P	P	G	CSF	181	181A	30	15	15.0	.500A	.350W	100J	2.000B	25UA	30V	90	
SF.T130	P	G	CSF	775	775A	24	30	12.0	.500A	.550W	100J	1.000B	20UA	24V	30	
SF.T131	P	G	CSF	775	775A	24	20	12.0	.500A	.550W	100J	2.000B	20UA	24V	90	
SF.T131P	P	G	CSF	775	775A	30	15	15.0	.500A	.550W	100J	.015E	25UA	30V	90	

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c	
SF.T143	P	G	CSF	181	181A	45	20	25.0	.500A	.350W	100J	.400B	20UA	45V	30		
SF.T144	P	G	CSF	181	181A	45	20	25.0	.500A	.350W	100J	.600B	20UA	45V	60		
SF.T145	P	G	CSF	775	775A	45	20	25.0	.500A	.550W	100J	.400E	20UA	45V	60		
SF.T146	P	G	CSF	775	775A	45	20	25.0	.500A	.550W	100J	.600E	20UA	45V	60		
SF.T163	P	G	CSF	128	TO 44	15		.5	.010A	.120W	85J	120.000G	15UA	15V	120		
SF.T186	N	S	CSF	211	TO 5	120		5.0		.600W	200J	140.000G	200UA	60V	30		
SF.T212	P	G	CSF	605	TO 3	30	15	7.5	3.000A	30.000W	85J	.200B	1MA	30V	80		
SF.T213	P	G	CSF	605	TO 3	40	30	20.0	3.000A	45.000W	95J	.200B	1MA	40V	40		
SF.T214	P	G	CSF	605	TO 3	60	40	30.0	3.000A	45.000W	95J	.200B	1MA	60V	40		
SF.T221	P	G	CSF	212	TO 5	30	24S	15.0	.250A	.225W	100J	1.300B	15UA	30V	30		
SF.T222	P	G	CSF	212	TO 5	30	24S	15.0	.250A	.225W	100J	2.000B	15UA	30V	50		
SF.T223	P	G	CSF	212	TO 5	30	20S	15.0	.250A	.225W	100J	4.000B	15UA	30V	100		
SF.T226	P	G	CSF	210	TO 5	40	32S	24.0	.250A	.150W	100J	3.500G	10UA	40V	32		
SF.T227	P	G	CSF	210	TO 5	30	24S	18.0	.250A	.150W	100J	4.500G	10UA	30V	46		
SF.T238	P	G	CSF	210	TO 5	24	20S	12.0	.250A	.150W	100J	5.500G	10UA	24V	62		
SF.T228	P	G	CSF	210	TO 5	18	15S	12.0	.250A	.150W	100J	10.000G	10UA	18V	90		
SF.T229	P	G	CSF	211	TO 11	40	30	20.0	1.000A	.450W	85J	AUO	125UA	20V	60		
SF.T232	P	G	CSF	211	TO 11	60	40	20.0	1.000A	.450W	85J	AUO	125UA	30V	60		
SF.T233	P	G	CSF	211	TO 11	80	50	20.0	1.000A	.450W	85J	AUO	125UA	40V	60		
SF.T234	P	G	CSF	210	TO 5	15		9.0	.100A	.150W	100J	3.000B	2MA	2V	100		
SF.T237	P	G	CSF	605	TO 3	40	30	20.0	6.000A	45.000W	95J	.200B	3MA	40V	40		
SF.T238	P	G	CSF	605	TO 3	60	40	30.0	6.000A	45.000W	95J	.200B	3MA	60V	40		
SF.T239	P	G	CSF	605	TO 3	80	60	40.0	6.000A	45.000W	95J	.200B	3MA	80V	40		
SF.T240	P	G	CSF	212	TO 5	60	35S	25.0	.500A	.225W	100J	2.000B	15UA	60V	60		
SF.T243	P	G	CSF	605	TO 3	80	60	40.0	3.000A	45.000W	95J	.200B	1MA	80V	90		
SF.T250	P	G	CSF	405	TO 36	30	15	15.0	15.000A	70.000W	95J	.200B	8MA	30V	60		
SF.T264	P	G	CSF	405	TO 36	40	40	20.0	15.000A	70.000W	95J	.300B	8MA	40V	50		
SF.T265	P	G	CSF	405	TO 36	60	50	40.0	15.000A	70.000W	95J	.300B	8MA	60V	50		
SF.T266	P	G	CSF	405	TO 36	80	60	60.0	15.000A	70.000W	95J	.300B	8MA	80V	50		
SF.T267	P	G	CSF	210	TO 5	24		12.0	.500A	.150W	100J	7.000B	10UA	24V	70		
SF.T288	P	G	CSF	212	TO 5	30		20.0	.500A	.150W	100J	8.000G	10UA	30V	70		
SF.T298	N	G	CSF	120	TO 1	18	15	12.0	.100A	.150W	100J	3.000B	10UA	15V	40		
SF.T306	P	G	CSF	120	TO 1	18	15	12.0	.100A	.150W	100J	7.000B	10UA	15V	80		
SF.T307	P	G	CSF	120	TO 1	18	15	12.0	.100A	.150W	100J	13.000B	10UA	15V	100		
SF.T308	P	G	CSF	120	TO 1	40	20	.5	.010A	.120W	85J	18.000G	10UA	12V	90		
SF.T315	P	G	CSF	128	TO 44	20		.5	.010A	.120W	85J	60.000G	15UA	15V	120		
SF.T316	P	G	CSF	120	TO 1	20		.5	.010A	.150W	100J	40.000G	15UA	15V	100		
SF.T317	P	G	CSF	120	TO 1	20		.5	.010A	.150W	100J	15.000G	15UA	15V	50		
SF.T319	P	G	CSF	120	TO 1	20		.5	.010A	.150W	100J	35.000G	15UA	15V	80		
SF.T320	P	G	CSF	120	TO 1	24	20	12.0	.250A	.200W	100J	1.600B	15UA	24V	50		
SF.T322	P	G	CSF	120	TO 1	24	20	12.0	.250A	.200W	100J	2.600B	15UA	24V	100		
SF.T323	P	G	CSF	120	TO 1	15	15	9.0	.100A	.150W	85J	3.000B	3UA	9V	120		
SF.T337	P	G	CSF	120	TO 1	24	20	2.0	.150A	.200W	100J	1.600B	15UA	24V	58		
SF.T352	P	G	CSF	120	TO 1	24	20	2.0	.150A	.200W	100J	2.400B	15UA	24V	92		
SF.T353	P	G	CSF	128	TO 44	20		.5	.010A	.120W	85J	65.000G	15UA	15V	120		
SF.T354	P	G	CSF	128	TO 44	20		.5	.010A	.120W	85J	85.000G	15UA	15V	120		
SF.T357	P	G	CSF	128	TO 44	20		.5	.010A	.120W	85J	60.000G	20UA	30V	160		
SF.T357P	P	G	CSF	128	TO 44	30	10	.5	.010A	.120W	85J	110.000G	15UA	15V	120		
SF.T358	P	G	CSF	128	TO 44	20		.5	.010A	.120W	85J						
SHA7520	P	S	SOL	903	903A	35	35	35.0		1.000W	160J	.800B	100NA		10	.001A	
SHA7521	P	S	SOL	903	903A	60	60	60.0		1.000W	160J	.800B	100NA		10	.001A	
SHA7522	P	S	SOL	903	903A	15	15	15.0		1.000W	160J	.800B	100NA		22	.001A	
SHA7523	P	S	SOL	903	903A	35	35	35.0		1.000W	160J	.800B	100NA		22	.001A	
SHA7524	P	S	SOL	903	903A	60	60	60.0		1.000W	160J	.800B	100NA		22	.001A	
SHA7525	P	S	SOL	903	903A	110	110	110.0		1.000W	160J	.800B	100NA		44	.001A	
SHA7526	P	S	SOL	903	903A	15	15	15.0		1.000W	160J	.800B	100NA		44	.001A	
SHA7527	P	S	SOL	903	903A	35	35	35.0		1.000W	160J	.800B	100NA		44	.001A	
SHA7528	P	S	SOL	903	903A	60	60	60.0		1.000W	160J	.800B	100NA		44	.001A	
SHA7529	P	S	SOL	903	903A	90	90	90.0		1.000W	160J	.800B	100NA		22	.001A	
SHA7530	P	S	SOL	211	TO 5	35	35	35.0		.400W		.800B	100NA		10	.001A	
SHA7531	P	S	SOL	211	TO 5	60	60	60.0		.400W		.800B	100NA		10	.001A	
SHA7532	P	S	SOL	211	TO 5	15	15	15.0		.400W		.800B	100NA		22	.001A	
SHA7533	P	S	SOL	211	TO 5	35	35	35.0		.400W		.800B	100NA		22	.001A	
SHA7534	P	S	SOL	211	TO 5	60	60	60.0		.400W		.800B	100NA		22	.001A	
SHA7535	P	S	SOL	211	TO 5	110	110	110.0		.400W		.800B	100NA		22	.001A	
SHA7536	P	S	SOL	211	TO 5	15	15	15.0		.400W		.800B	100NA		44	.001A	
SHA7537	P	S	SOL	211	TO 5	35	35	35.0		.400W		.800B	100NA		44	.001A	
SHA7538	P	S	SOL	211	TO 5	60	60	60.0		.400W		.800B	100NA		44	.001A	
SHA7539	P	S	SOL	211	TO 5	90	90	90.0		.400W		.800B	100NA		22	.001A	
SHA7597	P	S	SOL	903	903A	50	40	20.0		1.000W	160J	.800B	100NA		14	.001A	
SHA7598	P	S	SOL	903	903A	50	35	20.0		1.000W	160J	.800B	100NA		29	.001A	
SHA7599	P	S	SOL	903	903A	50	30	20.0		1.000W	160J	.800B	100NA		58	.001A	
SK3003	P	G	RCA	120	TO 1	9			.500A	.150W		AUO					
SK3004	P	G	RCA	120	TO 1	15			.500A	.150W		AUO					
SK3005	P	G	RCA	120	TO 1	12			.005A	.250W		RF AMP					
SK3006	P	G	RCA	75	TO 45	15			.005A	.250W		FM IF					
SK3007	P	G	RCA	75	TO 45	15			.005A	.250W		30.000G					
SK3008	P	G	RCA	120	TO 1	15				.250W		RF AMP					
SK3009	P	G	RCA	605	TO 3		50		10.000A	30.000W		AUO					
SK3010	N	G	RCA	120	TO 1	15			.100A	.150W		AUO					
SK3011	N	G	RCA	210	TO 5	18			.500A	.150W		RF AMP					
SK3012	P	G	RCA	405	TO 36	15			7.500A	150.000W		AUO					
SK3013			M.P. SK3009														
SK3014	P	G	RCA	605	TO 3		50	1.5	5.000A	12.500W		AUO					
SK3015			M.P. SK3014														
SK3018	N	S	RCA	217	TO 72	25						800.000G					
SK3019	N	S	RCA	217	TO 72							UHFOSC					
SK3020	N	S	RCA	210	TO 18	25			.300A	.500W					150	.010A	
SK3021	N	S	RCA	605	TO 3	300				8.000W		25.000G			50		
SK3024	N	S	RCA	211	TO 5	80						100.000G			80		
SK3025	P	S	RCA	211	TO 5	80						100.000G			80		
SK3026	N	S	RCA	605	TO 3							.800G					
SK3027	N	S	RCA	605	TO 3	80						.800G					
SK3028			M.P. SK3026														
SK3029			M.P. SK3027														
SK3034	P	G	RCA	605	TO 3	36			3.000A	10.000W		HOR AMP					
SK3035	P	G	RCA	605	TO 3	36			10.000A	5.000W		HOR AMP					
SK3036	N	S	RCA	605	TO 3	80			20.000A	150.000W		.800G			15	15.000A	
SK3037			M.P. SK3036														
SK3038	N	S	RCA	210	TO 18	18			.025A	.400W		AUO			200	.002A	
SK3039	N	S	RCA	217	TO 72	15			.030A	.150W		1200.000G					
SK3040	N	S	RCA	211	211M	140				1.000W		VIO AMP			100	.025A	
SK3041	N	S	RCA	54	54A	18			4.000A	36.000W		AUO					
SN60	N	S	SEM	210	TO 18	25	15	4.0	.200A	.300W		300.000G			100		
SN80	N	S	SEM	210	TO 5	60	40	5.0	.800A	.800W		800.000G			70		
SO-1	-P	G	SPR	105	TO 24	5	5		.005A	.020W	65J	20.000F	10UA	5V	10		
SO-2	-P	G	SPR	105	TO 24	3	3		.005A	.015W	65J	10.000F	10UA	3V	10		
SO-3	-P	G	SPR	105	TO 24	5	5		.005A	.020W	65J	30.000F	10UA	5V	10		
SP70	P	S	SEM	210	TO 5	60	40	5.0	.800A	.800W		800.000G			70		
SP90	P	S	SEM	210	TO 18	25	15	4.0	.200A	.300W		300.000G			100		

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) $V_{(...)}$			Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage $I_{...}$ @	$V_{...}$	Gain h_{FE} @	I_c
SRF12212			SEE RF POWER SECTION													
SRF32214			SEE RF POWER SECTION													
ST400	N	S	TEC	561	TO 61	60	60	10.0		78.000W	200J	12.000G	10MA	60V	40	
ST401	N	S	TEC	561	TO 61	45	45	5.0		78.000W	200J	12.000G	20MA	45V	44	
ST440	-N	S	TEC	731	TO 53	60	60	5.0		60.000W	150J	4.000B	20MA	60V	25	
ST450	-N	S	TEC	561	TO 61	60	60	5.0		600.000W	150J	4.000B	20MA	60V	25	
ST4150	-N	S	TEC	210	TO 5	60	60	6.0		.600W	200J	8.000G	15UA	60V	25	
ST4201	-N	S	TEC	210	TO 5	45	45	4.0		.600W	200J		15UA	30V	24	
ST4202	-N	S	TEC	210	TO 5	75	75	4.0		.600W	200J		15UA	30V	24	
ST4203	-N	S	TEC	210	TO 5	45	45	4.0		.600W	200J		15UA	30V	60	
ST4204	-N	S	TEC	210	TO 5	75	75	4.0		.600W	200J		15UA	30V	60	
ST5641	N	S	TEC	211	TO 18	30	25								75	.001A
ST7100	N	S	TEC	211	TO 18	60	30			.360W		60.000G	2NA	45V	600	.001A
ST10000	P	S	TEC	561	TO 61		80		10.000A	50.000W					30	5.000A
ST10001	P	S	TEC	561	TO 61		100		10.000A	50.000W					30	5.000A
ST14000	N	S	TEC	561	TO 63		80		80.000A	200.000W					30	50.000A
ST14000A	N	S	TEC	561	TO 63		100		80.000A	200.000W					30	50.000A
ST14011	N	S	TEC	561	TO 63	100	60			200.000W		10.000G	10UA	80V	90	20.000A
ST14012	N	S	TEC	561	TO 63	125	80			200.000W		10.000G	10UA	100V	90	20.000A
ST14013	N	S	TEC	561	TO 63	150	100			200.000W		10.000G	10UA	120V	90	20.000A
ST15013	N	S	TEC	561	TO 63	100	60			125.000W		10.000G	10UA	80V	90	10.000A
ST15014	N	S	TEC	561	TO 63	125	80		40.000A	125.000W		10.000G	10UA	100V	90	10.000A
ST15015	N	S	TEC	561	TO 63	150	100		40.000A	125.000W		10.000G	10UA	120V	90	10.000A
ST15043	N	S	TEC	561	TO 63	125	80	10.0	40.000A	187.000W	200J	10.000G	100UA	100V	50	10.000A
ST15044	N	S	TEC	561	TO 63	145	100	10.0	40.000A	187.000W		10.000G	100UA	120V	50	10.000A
ST15045	N	S	TEC	561	TO 63	170	120	10.0	40.000A	187.000W		10.000G	100UA	135V	50	10.000A
ST17003	N	S	TEC	561	TO 63		80		20.000A	50.000W					30	10.000A
ST17004	N	S	TEC	561	TO 63		100		20.000A	50.000W					30	10.000A
ST17060	N	S	TEC	561	TO 61	125	80	10.0	30.000A	150.000W		10.000G	100UA	100V	50	10.000A
ST17061	N	S	TEC	561	TO 61	145	100	10.0	30.000A	150.000W		10.000G	100UA	120V	50	10.000A
ST17062	N	S	TEC	561	TO 61	170	120	10.0	30.000A	150.000W		10.000G	100UA	135V	50	10.000A
ST18007	N	S	TEC	561	TO 63		375		2.000A	100.000W					30	10.000A
ST18008	N	S	TEC	561	TO 63		300		2.000A	100.000W					30	10.000A
ST18009	N	S	TEC	561	TO 63		250		2.000A	100.000W					30	10.000A
ST18010	N	S	TEC	561	TO 63		200		2.000A	100.000W					30	10.000A
ST18011	N	S	TEC	561	TO 61		375		10.000A	50.000W					30	5.000A
ST18012	N	S	TEC	561	TO 61		300		10.000A	50.000W					50	5.000A
ST18013	N	S	TEC	561	TO 61		250		10.000A	50.000W					30	5.000A
ST18014	N	S	TEC	561	TO 61		200		10.000A	50.000W					30	5.000A
ST18015	N	S	TEC	561	TO 59		375		5.000A	30.000W					30	2.500A
ST18016	N	S	TEC	561	TO 59		300		5.000A	30.000W					30	2.500A
ST18017	N	S	TEC	561	TO 59		250		5.000A	30.000W					30	2.500A
ST18018	N	S	TEC	561	TO 59		200		5.000A	30.000W					30	2.500A
ST40000	P	S	TEC	561	TO 63		80		40.000A	100.000W					30	25.000A
ST40001	P	S	TEC	561	TO 63		100		40.000A	100.000W					30	25.000A
ST54000	P	S	TEC	561	TO 63		80		20.000A	100.000W					30	10.000A
ST54001	P	S	TEC	561	TO 63		100		20.000A	100.000W					30	10.000A
ST61000	P	S	TEC	211	TO 18	40	35								150	.001A
ST72000	P	S	TEC	561	TO 59		80		2.000A	30.000W					75	1.000A
ST72000A	P	S	TEC	561	TO 59		100		2.000A	30.000W					75	1.000A
ST72011	P	S	TEC	561	TO 59	40	40			30.000W		30.000G	1UA	30V	80	1.500A
ST72012	P	S	TEC	561	TO 59	60	60			30.000W		30.000G	1UA	40V	80	1.500A
ST72013	P	S	TEC	561	TO 59	80	80			30.000W		30.000G	1UA	60V	80	1.500A
ST72014	P	S	TEC	561	TO 59	100	100			30.000W		30.000G	1UA	80V	80	1.500A
ST72015	P	S	TEC	561	TO 61	60	60			50.000W		10.000G	10UA	60V	80	3.000A
ST72016	P	S	TEC	561	TO 61	80	80			50.000W		10.000G	10UA	60V	80	3.000A
ST72017	P	S	TEC	561	TO 61	100	100			50.000W		10.000G	10UA	80V	80	3.000A
ST72018	P	S	TEC	561	TO 63	40	40			100.000W		10.000G	10UA	30V	70	10.000A
ST72019	P	S	TEC	561	TO 63	60	60			100.000W		10.000G	10UA	40V	70	10.000A
ST72020	P	S	TEC	561	TO 63	80	80			100.000W		10.000G	10UA	60V	70	10.000A
ST72021	P	S	TEC	561	TO 63	100	100			100.000W		10.000G	10UA	80V	70	10.000A
ST74000	N	S	TEC	211	TO 5		100			10.000W					105	1.000A
ST74049	N	S	TEC	211	TO 5	125	80	10.0	2.000A	11.250W		10.000G	10UA	100V	50	1.000A
ST74050	N	S	TEC	211	TO 5	145	100	10.0	2.000A	11.250W		10.000G	10UA	120V	50	1.000A
ST74051	N	S	TEC	211	TO 5	170	120	10.0	2.000A	11.250W		10.000G	10UA	135V	50	1.000A
ST75000	P	S	TEC	211	TO 5		80		1.000A	10.000W					75	1.000A
ST75001	P	S	TEC	211	TO 5		100		1.000A	10.000W					75	1.000A
ST76006	P	S	TEC	561	TO 59		80		5.000A	30.000W					30	2.500A
ST76007	P	S	TEC	561	TO 59		100		5.000A	30.000W					30	2.500A
ST84000	N	S	TEC	211	TO 5		100		.500A	5.000W					80	.200A
ST84027	N	S	TEC	211	TO 5	170	120	10.0	1.000A	7.500W		10.000G	10UA	130V	70	.200A
ST84028	N	S	TEC	211	TO 5	190	140	10.0	1.000A	7.500W		10.000G	10UA	150V	70	.200A
ST84029	N	S	TEC	211	TO 5	220	180	10.0	1.000A	7.500W		10.000G	10UA	170V	70	.200A
ST86020	N	S	TEC	561	TO 61	125	80	10.0	5.000A	75.000W		10.000G	100UA	100V	50	3.000A
ST86021	N	S	TEC	561	TO 61	145	100	10.0	5.000A	75.000W		10.000G		120V	50	3.000A
ST86022	N	S	TEC	561	TO 61	170	120	10.0	5.000A	75.000W		10.000G		135V	50	3.000A
ST91000	N	S	TEC	561	TO 59		100		2.000A	30.000W					105	1.000A
ST90000	N	S	TEC	561	TO 59		100		5.000A	30.000W					115	1.000A
ST91054	N	S	TEC	211	TO 5	125	80	10.0	5.000A	15.000W	200J	10.000G	20UA	100V	50	2.000A
ST91055	N	S	TEC	211	TO 5	145	100	10.0	5.000A	15.000W	200J	10.000G	20UA	120V	50	2.000A
ST91056	N	S	TEC	211	TO 5	170	120	10.0	5.000A	15.000W	200J	10.000G	20UA	135V	50	2.000A
ST91057	N	S	TEC	561	TO 59	125	80	10.0	10.000A	60.000W	200J	10.000G	30UA	100V	50	2.000A
ST91058	N	S	TEC	561	TO 59	145	100	10.0	10.000A	60.000W	200J	10.000G	30UA	120V	50	2.000A
ST91059	N	S	TEC	561	TO 59	170	120	10.0	10.000A	60.000W	200J	10.000G	30UA	135V	50	2.000A
ST92006	N	S	TEC	561	TO 59	125	80	10.0	20.000A	45.000W	200J	10.000G	20UA	100V	50	1.000A
ST92007	N	S	TEC	561	TO 59	145	100	10.0	20.000A	45.000W	200J	10.000G	20UA	120V	50	1.000A
ST92008	N	S	TEC	561	TO 59	170	120	10.0	20.000A	45.000W	200J	10.000G	20UA	135V	50	1.000A
STC1726	N	S	STC	561	TO 63	80	80	10.0	20.000A	200.000W	200J		2MA	80V	50	
STC1728	N	S	STC	561	TO 63	80	80	10.0	30.000A	200.000W	200J		2MA	80V	24	
STC1731	N	S	STC	561	TO 63	100	100	10.0	20.000A	200.000W	200J		2MA	100V	50	
STC1733	N	S	STC	561	TO 63	100	100	10.0	30.000A	200.000W	200J		2MA	100V	24	
STC1736	N	S	STC	561	TO 63	150	150	10.0	20.000A	200.000W	200J		2MA	150V	50	
STC1738	N	S	STC	561	TO 63	150	150	10.0	30.000A	200.000W	200J		2MA	150V	24	
STC2220	N	S	STC	605	TO 3	80	80	10.0	20.000A	200.000W	200J		2MA	80V	30	
STC2221	N	S	STC	605	TO 3	100	100	10.0	20.000A	200.000W	200J		2MA	100V	30	
STC2222	N	S	STC	605	TO 3	150	150	10.0	20.000A	200.000W	200J		2MA	150V	30	
STC2223	N	S	STC	605	TO 3	200	200	10.0	20.000A	200.000W	200J		2MA	200V	30	
STC2224	N	S	STC	605	TO 3	80	80	10.0	25.000A	200.000W	200J		2MA	80V	30	
STC2225	N	S	STC	605	TO 3	100	100	10.0	25.000A	200.000W	200J		2MA	100V	30	
STC2226	N	S	STC	605	TO 3	150	150	10.0	2.000A	200.000W	200J		2MA	150V	30	
STC2227	N	S	STC	605	TO 3	200	200	10.0	25.000A	200.000W	200J		2MA	200V	30	
STC2228	N	S	STC	605	TO 3	80	80	10.0	30.000A	200.000W	200J		2MA	80V	26	
STC2229	N	S	STC	605	TO 3	100	100	10.0	30.000A	200.000W	200J		2MA	100V	26	
STC2230	N	S	STC	605	TO 3	150	150	10.0	30.000A	200.000W	200J		2MA	150V	26	
STC3706	N	S	STC	561	TO 63	200	200	10.0	30.000A	200.000W	200J		2MA	200V	24	
STC4401	N	S	STC	605	TO 66	50	40	5.0	4.000A	25.000W	200J		1MA	30V	50	1.500A
STC5109/I	P	S	STC	730	TO 53	40	40	10.0	3.000A	85.000W	200J		250UA	20V	36	1.000A
STC5110/I	P	S	STC	730	TO 53	60	60	10.0	3.000A	85.000W	200J		250UA	30V	36	1.000A
STC5111/I	P	S	STC	730	TO 53	80	80	10.0	3.000A	85.000W	200J		250UA	40V	36	1.000A

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
STC5112/I	P	S	STC	730	TO 53	40	40	10.0	2.000A	85.000W	200J		250UA	20V	36	.500A
STC5113/I	P	S	STC	730	TO 53	60	60	10.0	2.000A	85.000W	200J		250UA	30V	36	.500A
STC5114/I	P	S	STC	730	TO 53	80	80	10.0	2.000A	85.000W	200J		250UA	40V	36	.500A
STC5202	P	S	STC	171	TO 8	40	40	10.0	3.000A	25.000W	200J		250UA	20V	36	1.000A
STC5203	P	S	STC	171	TO 8	60	60	10.0	3.000A	25.000W	200J		250UA	30V	36	1.000A
STC5204	P	S	STC	171	TO 8	80	80	10.0	3.000A	25.000W	200J		250UA	40V	36	1.000A
STC5205	P	S	STC	171	TO 8	40	40	10.0	2.000A	25.000W	200J		250UA	20V	36	.500A
STC5206	P	S	STC	171	TO 8	60	60	10.0	2.000A	25.000W	200J		250UA	30V	36	.500A
STC5207	P	S	STC	171	TO 8	80	80	10.0	2.000A	25.000W	200J		250UA	40V	36	.500A
STC5519/I	P	S	STC	560	TO 61	40	40	10.0	3.000A	85.000W	200J		250UA	20V	36	1.000A
STC5520/I	P	S	STC	560	TO 61	60	60	10.0	3.000A	85.000W	200J		250UA	30V	36	1.000A
STC5521/I	P	S	STC	560	TO 61	80	80	10.0	3.000A	85.000W	200J		250UA	40V	36	1.000A
STC5522/I	P	S	STC	560	TO 61	40	40	10.0	2.000A	85.000W	200J		250UA	20V	36	.500A
STC5523/I	P	S	STC	560	TO 61	60	60	10.0	2.000A	85.000W	200J		250UA	30V	36	.500A
STC5524/I	P	S	STC	560	TO 61	80	80	10.0	2.000A	85.000W	200J		250UA	40V	36	.500A
STC5624	P	S	STC	211	TO 5	120	120	10.0	1.000A	8.750W	200J		250UA	60V	24	
STC5802	P	S	STC	631	TO 37	40	40	10.0	3.000A	17.500W	200J		250UA	20V	36	1.000A
STC5803	P	S	STC	631	TO 37	60	60	10.0	3.000A	17.500W	200J		250UA	30V	36	1.000A
STC5804	P	S	STC	631	TO 37	80	80	10.0	3.000A	17.500W	200J		250UA	40V	36	1.000A
STC5805	P	S	STC	631	TO 37	40	40	10.0	2.000A	17.500W	200J		250UA	20V	36	.500A
STC5806	P	S	STC	631	TO 37	60	60	10.0	2.000A	17.500W	200J		250UA	30V	36	.500A
STC5807	P	S	STC	631	TO 37	80	80	10.0	2.000A	17.500W	200J		250UA	40V	36	.500A
STC7644	N	S	STC	211	TO 5	150	150	10.0	3.000A	8.750W	200J		250UA	125V	40	
STC7645	N	S	STC	211	TO 5	180	180	10.0	3.000A	8.750W	200J		250UA	180V	38	
STT2400	N	S	STC	211	TO 5	150	150	12.0	7.500A	10.000W	200J	25.000G	1UA	60V	52	2.000A
STT2401	N	S	STC	211	TO 5	140	120	12.0	7.500A	10.000W	200J	25.000G	1UA	60V	52	2.000A
STT2402	N	S	STC	211	TO 5	140	120	12.0	7.500A	10.000W	200J	25.000G	1UA	60V	88	2.000A
STT2403	N	S	STC	211	TO 5	120	100	12.0	7.500A	10.000W	200J	25.000G	1UA	60V	52	2.000A
STT2404	N	S	STC	211	TO 5	100	80	12.0	7.500A	10.000W	200J	25.000G	1UA	60V	52	2.000A
STT2405	N	S	STC	211	TO 5	75	60	10.0	7.500A	10.000W	200J	25.000G	1UA	40V	52	2.000A
STT2406	N	S	STC	211	TO 5	40	30	10.0	7.500A	10.000W	200J	25.000G	500UA	20V	45	2.000A
STT2650	N	S	STC	561	TO 61	150	150	12.0	7.500A	75.000W	200J	25.000G	1UA	60V	52	2.000A
STT2651	N	S	STC	561	TO 61	140	120	12.0	7.500A	75.000W	200J	25.000G	1UA	60V	52	2.000A
STT2652	N	S	STC	561	TO 61	140	120	12.0	7.500A	75.000W	200J	25.000G	1UA	60V	88	2.000A
STT2653	N	S	STC	561	TO 61	120	100	12.0	7.500A	75.000W	200J	25.000G	1UA	60V	52	2.000A
STT2654	N	S	STC	561	TO 61	100	80	12.0	7.500A	75.000W	200J	25.000G	1UA	60V	52	2.000A
STT2655	N	S	STC	561	TO 61	75	60	10.0	7.500A	75.000W	200J	25.000G	1UA	40V	52	2.000A
STT2656	N	S	STC	561	TO 61	40	30	10.0	7.500A	75.000W	200J	25.000G	500UA	20V	45	2.000A
STT2800	N	S	STC	561	TO 59	150	150	12.0	7.500A	40.000W	200J	25.000G	1UA	60V	52	2.000A
STT2801	N	S	STC	561	TO 59	140	120	12.0	7.500A	40.000W	200J	25.000G	1UA	60V	52	2.000A
STT2802	N	S	STC	561	TO 59	140	120	12.0	7.500A	40.000W	200J	25.000G	1UA	60V	88	2.000A
STT2803	N	S	STC	561	TO 59	120	100	12.0	7.500A	40.000W	200J	25.000G	1UA	60V	52	2.000A
STT2804	N	S	STC	561	TO 59	100	80	12.0	7.500A	40.000W	200J	25.000G	1UA	60V	52	2.000A
STT2805	N	S	STC	561	TO 59	75	60	10.0	7.500A	40.000W	200J	25.000G	1UA	40V	52	2.000A
STT2806	N	S	STC	561	TO 59	40	30	10.0	7.500A	40.000W	200J	25.000G	500UA	20V	45	2.000A
SYL792	P	G	ETC	210	TO 5	20		10.0		.150W	100A	4.800B	6UA	5V	75	
SYL4443	-N	S	SYL	211	TO 5	70	45	5.0	2.000A	5.000W	200J	400.000G	200NA	60V	40	
T0003			SEE 2N207													
T0004			SEE 2N207A													
T0005			SEE 2N207B													
T0014			SEE 2N536													
T0015			SEE 2N535A													
T0033			SEE 2N535													
T1013			SEE 2N223													
T1028			SEE 2N128													
T1032			SEE 2N346													
T1038			SEE 2N240													
T1042			SEE 2N226													
T1046			SEE 2N224													
T1166			SEE 2N393													
T1224			SEE 2N344													
T1225			SEE 2N345													
T1250			SEE 2N588													
T1251			SEE 2N499													
T1275			SEE 2N495													
T1276			SEE 2N496													
T1289			SEE 2N300													
T1291			SEE 2N299													
T1312			SEE 2N501													
T1314			SEE 2N504													
T1322			SEE 2N503													
T1326			SEE 2N598													
T1327			SEE 2N1122													
T1328			SEE 2N1122A													
T1334			SEE 2N597													
T1342			SEE 2N502													
T1346			SEE 2N599													
T1347			SEE 2N670													
T1392			SEE 2N1126													
T1393			SEE 2N671													
T1395			SEE 2N600													
T1396			SEE 2N1124													
T1397			SEE 2N1125													
T1398			SEE 2N1127													
T1431			SEE 2N672													
T1472			SEE 2N1495													
T1473			SEE 2N1496													
T1474			SEE 2N1500													
T1475			SEE 2N673													
T1510			SEE 2N501A													
T1512			SEE 2N601													
T1537			SEE 2N1123													
T1546			SEE 2N1129													
T1573			SEE 2N1130													
T1574			SEE 2N1128													
T1808			SEE 2N1494													
T1930			SEE 2N768													
TA2658			SEE 2N3866													
TA2714			SEE 2N4012													
TA2761			SEE 40608													
TA2791			SEE 2N5102													
TF78/30	P	G	SIH	170	TO 8	32	24	10.0	.600A	3.000W	90J	.700F	30UA	32V	68	.050A
TF78/60	P	S	SIH	170	TO 8	64	45	16.0	.600A	3.000W	90J	.700F	30UA	64V	68	.050A
TI-156	P	G	TII	211	211G	30	30	15.0	3.000A	25.000W	100J	.220G	650UA	30V	60	
TI-156L	P	G	TII	211	211F	30	30	15.0	3.000A	25.000W	100J	.220G	650UA	30V	60	
TI-158	P	G	TII	211	211G	60	40	30.0	3.000A	25.000W	100J	.220G	650UA	60V	60	
TI-158A	P	G	TII	211	211G	80	60	30.0	3.000A	25.000W	100J	.220G	650UA	80V	60	
TI-158AL	P	G	TII	211	211F	80	60	30.0	3.000A	25.000W	100J	.220G	650UA	80V	60	
TI-158L	P	G	TII	211	211F	60	40	30.0	3.000A	25.000W	100J	.220G	650UA	60V	60	

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident	Outline	Maximum (V) V_{CB}	V_{CE}	V_{EB}	Maximum I_C	Power	Max. T_J(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
TI-159	P	G	TII	211	211H	40	30	20.0	3.000A	20.000W	100C	225.000G	125UA	20V	50	
TI-160	P	G	TII	211	211H	80	50	20.0	3.000A	20.000W	100C	225.000G	125UA	40V	50	
TI-161	P	G	TII	211	211H	80	50	20.0	3.000A	20.000W	100C	225.000G	125UA	40V	50	
TI-162	P	G	TII	211	211H	100	60	20.0	3.000A	20.000W	100C	225.000G	125UA	50V	50	
TI-363	P	G	TII	120	TO 58	30			.050A	.150W	85J	AM IF	100UA	30V	70	
TI-364	P	G	TII	120	TO 58	30			.050A	.150W		AM IF	335UA	12V	40	
TI-365	P	G	TII	120	TO 58	30			.050A	.150W		70.000G	335UA	12V	140	
TI-388	P	G	TII	120	TO 58	30			.050A	.150W		80.000G	335UA	12V	70	
TI-389	P	G	TII	120	TO 58	30			.050A	.150W		80.000G	335UA	12V	40	
TI-390	P	G	TII	217	TO 72	18			.050A	.075W		990.000B	5UA	10V	80	
TI-391	P	G	TII	217	TO 72	18			.050A	.075W		990.000B	5UA	10V	40	
TI-392	-P	G	TII	217	TO 72	18			.050A	.075W		990.000B	5UA	10V	40	
TI-393	-P	G	TII	217	TO 72	18			.050A	.075W		990.000B	5UA	10V	50	
TI-395	P	G	TII	120	TO 58	30			.050A	.150W		100.000G	335UA	12V	120	
TI-396	-P	G	TII	120	TO 58	45			.050A	.150W		60.000G	335UA	12V	120	
TI-397	P	G	TII	120	TO 58	35			.050A	.150W		45.000G	335UA	12V	70	
TI-398	P	G	TII	120	TO 58	35			.050A	.150W		45.000G	335UA	12V	60	
TI-399	P	G	TII	120	TO 58	35			.050A	.150W		AM IF	31A	12V	40	
TI-400	P	G	TII	250	250A	18		.3	.050A	.075W	100J	400.000G	5UA	10V	80	
TI-401	P	G	TII	250	250A	18		.3	.050A	.075W	100J	300.000G	5UA	10V	40	
TI-402	P	G	TII	250	250A	18		.3	.050A	.075W	100J	300.000G	5UA	10V	40	
TI-403	P	G	TII	250	250A	18		.3	.050A	.075W	100J	300.000G	5UA	10V	70	
TI-407	N	S	TII	43	TO 92	25	12	3.0	.030A	.200W	125A	450.000G	500NA	10V	20	
TI-408	N	S	TII	43	TO 92	25	12	3.0	.030A	.200W	125A	300.000G	500NA	10V	16	
TI-409	N	S	TII	43	TO 92	25	12	3.0	.030A	.200W	125A	300.000G	500NA	10V	16	
TI-411	-N	S	TII	43	TO 92	50	30	5.0	.800A	.300W	125A	100.000G	500NA	20V	420	
TI-412			SEE 2N3704													
TI-413			SEE 2N3705													
TI-414			SEE 2N3706													
TI-415			SEE 2N3707													
TI-416			SEE 2N3708													
TI-417			SEE 2N3710													
TI-418			SEE 2N3711													
TI-419	-N	S	TII	43	TO 92	30	30	6.0	.030A	.250W	125A	AM IF	500NA	20V	370	
TI-420			SEE 2N2387													
TI-421			SEE 2N2388													
TI-422			SEE 2N851													
TI-423			SEE 2N852													
TI-424			SEE 2N2389													
TI-425			SEE 2N2390													
TI-428			SEE 2N2393													
TI-429			SEE 2N2394													
TI-430			SEE 2N849													
TI-431			SEE 2N850													
TI-432			SEE 2N2395													
TI-433			SEE 2N2396													
TI-474			SEE 2N929													
TI-475			SEE 2N930													
TI-480	N	S	TII	210	TO 11	50	40	1.0	.060A	.600W	125J	1.000B	2UA	30V	22	.005A
TI-481	N	S	TII	210	TO 11	80	70	1.0	.060A	.600W	125J	1.000B	2UA	30V	22	.005A
TI-482	N	S	TII	211	TO 5	20	20	5.0	.500A	.600W	150J	30.000B	2UA	10V	40	.150A
TI-483	N	S	TII	211	TO 5	40	20	5.0	.500A	.600W	150J	40.000G	2UA	30V	40	.150A
TI-484	N	S	TII	211	TO 5	40	20	5.0	.500A	.600W	150J	40.000G	2UA	30V	80	.150A
TI-485	N	S	TII	211	TO 18	20	14	3.0	1.000A	.300W	150J	100.000G	1UA	15V	36	.010A
TI-486	N	S	TII	211	TO 5	80	60	6.0	.750A	.800W	175J	10.000G	3UA	60V	40	.200A
TI-487	N	S	TII	541	5410	80	60	6.0	.750A	15.000W	175J	10.000G	3UA	60V	40	.200A
TI-490			SEE 2N780													
TI-492	N	S	TII	210	TO 5	40	20	1.0	.025A	.125W	125J	4.000B	2UA	30V	36	
TI-493	N	S	TII	210	TO 5	40	20	1.0	.020A	.125W	125J	10.000B	2UA	20V	30	
TI-494	N	S	TII	210	TO 5	40	20	1.0	.020A	.125W	125J	10.000B	2UA	20V	80	
TI-495	N	S	TII	210	TO 5	40	20	1.0	.020A	.125W	125J	10.000B	2UA	20V	180	
TI-496	N	S	TII	210	TO 11	70			.060A	.600W	125J		2UA	50V	20	
TI-539	P	G	TII	561	561G	80	60	28.0	3.500A	25.000W	100C	.250G	1MA	80V	50	
TI-540	P	G	TII	561	561G	80	60	28.0	3.500A	25.000W	100C	.250G	1MA	80V	80	
TI-890			SEE 2N2861													
TI-891			SEE 2N2862													
TI-1121	N	S	TII	731	TO 53	200	100	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	74	
TI-1122	N	S	TII	731	TO 53	200	100	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	38	
TI-1123	N	S	TII	731	TO 53	150	75	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	74	
TI-1124	N	S	TII	731	TO 53	150	75	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	38	
TI-1125	N	S	TII	731	TO 53	100	50	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	74	
TI-1126	N	S	TII	731	TO 53	100	50	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	38	
TI-1131	N	S	TII	561	TO 61	200	100	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	74	
TI-1132	N	S	TII	561	TO 61	200	100	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	38	
TI-1133	N	S	TII	561	TO 61	150	75	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	74	
TI-1134	N	S	TII	561	TO 61	150	75	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	38	
TI-1135	N	S	TII	561	TO 61	100	50	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	74	
TI-1136	N	S	TII	561	TO 61	100	50	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	38	
TI-1141	N	S	TII	731	TO 53	200	100	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	50	
TI-1142	N	S	TII	731	TO 53	200	100	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	26	
TI-1143	N	S	TII	731	TO 53	150	75	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	50	
TI-1144	N	S	TII	731	TO 53	150	75	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	26	
TI-1145	N	S	TII	731	TO 53	100	50	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	50	
TI-1146	N	S	TII	731	TO 53	100	50	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	26	
TI-1151	N	S	TII	561	TO 61	200	100	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	50	
TI-1152	N	S	TII	561	TO 61	200	100	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	26	
TI-1153	N	S	TII	561	TO 61	150	75	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	50	
TI-1154	N	S	TII	561	TO 61	150	75	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	26	
TI-1155	N	S	TII	561	TO 61	100	50	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	50	
TI-1156	N	S	TII	561	TO 61	100	50	8.0	7.500A	80.000W	175J	7.500G	100UA	30V	26	
TI-3015			SEE 2N3570													
TI-3027	P	G	TII	605	TO 3	45	40R	20.0	7.000A	150.000W	100J	.200G	1MA	30V	102	3.000A
TI-3028	P	G	TII	605	TO 3	60	50R	20.0	7.000A	150.000W	100J	.200G	1MA	40V	102	3.000A
TI-3029	P	G	TII	605	TO 3	80	55R	20.0	7.000A	150.000W	100J	.200G	1MA	50V	102	3.000A
TI-3030	P	G	TII	605	TO 3	100	66R	20.0	7.000A	150.000W	100J	.200G	1MA	60V	102	3.000A
TI-3031	P	G	TII	605	TO 3	120	65R	20.0	7.000A	150.000W	100J	.200G	1MA	70V	102	3.000A
TIA01	-P	G	TII	211	TO 39	50	35R	40.0	.150A	.150W	100A	4.000B	5UA	25V		
TIA02	-P	G	TII	211	TO 39	40	25R	30.0	.150A	.150W	100A	4.000B	5UA	20V		
TIA03	-P	G	TII	211	TO 39	25	20R	25.0	.150A	.150W	100A	4.000B	5UA	20V		
TIA04	-P	G	TII	211	TO 39	25	20R	25.0	.150A	.150W	100A	4.000B	5UA	20V		
TIA05	-P	G	TII	211	TO 39	20	15R	20.0	.150A	.150W	100A	4.000B	7UA	20V		
TIG05	P	G	TII	605	TO 3	50	35	30.0	50.000A	150.000W	100C	.200G	20MA	45V	100	5.000A
TIG06	P	G	TII	605	TO 3	75	45	30.0	50.000A	150.000W	100C	.200G	20MA	70V	100	5.000A
TIG07	P	G	TII	605	TO 3	100	55	30.0	50.000A	150.000W	100C	.200G	20MA	95V	100	5.000A
TIG08	P	G	TII	607	TO 41	50	35	30.0	50.000A	150.000W	100C	.200G	20MA	45V	100	5.000A
TIG09	P	G	TII	607	TO 41	75	45	30.0	50.000A	150.000W	100C	.200G	20MA	70V	100	5.000A
TIG10	P	G	TII	607	TO 41	100	55	30.0	50.000A	150.000W	100C	.200G	20MA	95V	100	5.000A
TIP04	N	S	TII	605	TO 3	400	300	5.0	2.500A	65.000W	150J	3.000G	2MA	200V	46	1.000A
TIP14	-N	S	TII	760	760A	80	60	5.0	1.000A	10.000W	150C	10.000G	50UA	75V	70	.200A

Transistor Type No.	N G / / P S	Manufacturer	Lead Ident	Out line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T.(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
TIP24	-N S	TII	760	760A	70	70R	9.0	2.000A	10.000W	150J	10.000G	250UA	70V	54	1.500A
TIP27	-N S	TII	760	760A	300	300	6.0	.500A	10.000W	150C	2.000G			63	.200A
TIP29	N S	TII	54	54B	40	40	5.0	1.000A	30.000W	150J	3.000G	200UA	40V	90	.200A
TIP29A	N S	TII	54	54B	60	60	5.0	1.000A	30.000W	150J	3.000G	200UA	60V	90	.200A
TIP30	P S	TII	54	54B	40	40	5.0	1.000A	30.000W	150J	3.000G	200UA	40V	90	.200A
TIP30A	P S	TII	54	54B	60	60	5.0	1.000A	30.000W	150J	3.000G	200UA	60V	90	.200A
TIP31	N S	TII	54	54B	40	40	5.0	3.000A	40.000W	150J	3.000G	300UA	40V	45	1.000A
TIP31A	N S	TII	54	54B	60	60	5.0	3.000A	40.000W	150J	3.000G	300UA	60V	45	1.000A
TIP32	P S	TII	54	54B	40	40	5.0	3.000A	40.000W	150J	3.000G	300UA	40V	45	1.000A
TIP32A	P S	TII	54	54B	60	60	5.0	3.000A	40.000W	150J	3.000G	300UA	60V	45	1.000A
TIP33	N S	TII	54	54C	40	40	5.0	10.000A	80.000W	150J	3.000G	400UA	40V	56	1.000A
TIP33A	N S	TII	54	54C	60	60	5.0	10.000A	80.000W	150J	3.000G	400UA	60V	56	1.000A
TIP34	P S	TII	54	54C	40	40	5.0	10.000A	80.000W	150J	3.000G	400UA	40V	56	1.000A
TIP34A	P S	TII	54	54C	60	60	5.0	10.000A	80.000W	150J	3.000G	400UA	60V	56	1.000A
TIP35	N S	TII	54	54C	40	40	5.0	25.000A	90.000W	150J	3.000G	700UA	40V	45	5.000A
TIP35A	N S	TII	54	54C	60	60	5.0	25.000A	90.000W	150J	3.000G	700UA	60V	45	5.000A
TIP36	P S	TII	54	54C	40	40	5.0	25.000A	90.000W	150J	3.000G	700UA	40V	45	5.000A
TIP36A	P S	TII	54	54C	60	60	5.0	25.000A	90.000W	150J	3.000G	700UA	60V	45	5.000A
TIS03		SEE 2N3702													
TIS04		SEE 2N3703													
TIS18	N S	TII	43	TO 92	25	13	3.0	.030A	.200W	125A	600.000G	500NA	12V	40	.010A
TIS22	N S	TII	930	930A	45	45	6.0	.050A	.150W	125A	30.000G	10NA	45V	70	
TIS23	N S	TII	930	930A	45	45	6.0	.050A	.150W	125A	30.000G	10NA	45V	180	
TIS24	N S	TII	930	930A	60	60	6.0	.050A	.150W	125A	60.000G	10NA	45V	220	
TIS37	P S	TII	43	TO 92	35	32	6.0	.050A	.200W	125A	80.000G	100NA	10V	90	.001A
TIS38	P S	TII	43	TO 92	35	32	4.0	.050A	.200W	125A	50.000G	100NA	10V	50	.001A
TIS44	N S	TII	43	TO 92	25	20R	3.0	.050A	.250W	125A	200.000G	500NA	15V	40	.010A
TIS45	N S	TII	43	TO 92	40	15	5.0	.200A	.250W	125A	300.000G	50NA	20V	60	.010A
TIS46	N S	TII	43	TO 92	40	15	5.0	.200A	.250W	125A	300.000G	50NA	20V	60	.010A
TIS47	N S	TII	43	TO 92	40	15	4.5	.200A	.250W	125A	400.000G	400NA	20V	36	010A
TIS48	N S	TII	43	TO 92	40	15	4.5	.200A	.250W	125A	500.000G	400NA	20V	70	.010A
TIS49	N S	TII	43	TO 92	40	15	4.5	.200A	.250W	125A	500.000G	3UA	20V	60	.030A
TIS50	P S	TII	43	TO 92	12	12	4.0	.200A	.250W	125A	400.000G	1UA	6V	80	.030A
TIS51	N S	TII	43	TO 92	30	12	5.0	.200A	.250W	125A	400.000G	400NA	20V	60	.010A
TIS52	N S	TII	43	TO 92	40	20	5.0	.200A	.250W	125A	350.000G	500NA	20V	60	.030A
TIS53	P S	TII	43	TO 92	6	6	4.0	.080A	.250W	125J	500.000G	10NA	3V	60	.010A
TIS54	P S	TII	43	TO 92	12	12	4.0	.080A	.250W	125J	300.000G	10NA	6V	60	.010A
TIS55	N S	TII	43	TO 92	40	15	5.0	.200A	.250W	125J	350.000G	500NA	20V	60	.030A
TIS56	N S	TII	217	TO 72	30	20	3.0	.030A	.200W	175A	500.000G	50NA	10V	40	.004A
TIS57	N S	TII	217	TO 72	30	20	3.0	.030A	.200W	175A	500.000G	50NA	10V	40	.004A
TIS62	N S	TII	168	168A	30	12	3.0	.030A	.200W	125J	500.000G	100NA	10V	60	.004A
TIS63	N S	TII	168	168A	30	12	3.0	.030A	.200W	125J	500.000G	100NA	10V	40	.004A
TIS64	N S	TII	168	168A	30	12	3.0	.030A	.200W	125J	500.000G	100NA	10V	40	.004A
TIS71	N S	TII	907	907A	25	15	1.0	.050A	.500W	175J	2400.000G	1UA	15V	30	.015A
TIS72	N S	TII	907	907A	25	15	1.0	.050A	.500W	175J	2400.000G	1UA	15V	30	.015A
TIS82	N S	TII	211	TO 5	60	40	5.0	1.200A	1.000W	125J	250.000G	500NA	45V	50	1.000A
TIS83	N S	TII	43	TO 92	40	25	4.0	.050A	.250W	150J	600.000G	100NA	15V	60	.005A
TIS84	N S	TII	168	168A	40	30	4.0	.050A	.250W	150J	350.000G	50NA	10V	60	.004A
TIS85	N S	TII	168	168A	40	30	4.0	.050A	.250W	150J	350.000G	50NA	10V	50	.004A
TIS86	N S	TII	168	168A	30	30	4.0	.050A	.400W	150J	500.000G	100NA	15V	90	.004A
TIS87	N S	TII	168	168A	45	45	4.0	.050A	.400W	150J	500.000G	100NA	15V	68	.012A
TIS94	N S	TII	43	TO 92	60	40	6.0	.200A	.360W	150J	200.000G	10UA	60V	340	.001A
TIS95	N S	TII	43	TO 92	80	60	6.0	.200A	.360W	150J	200.000G	10UA	80V	200	.001A
TIS96	N S	TII	43	TO 92	80	65	6.0	.200A	.360W	150J	200.000G	10UA	80V	110	.100A
TIS97	N S	TII	168	168A	60	40	6.0	.200A	.360W	150J	200.000G	10UA	60V	340	.001A
TIS98	N S	TII	168	168A	80	60	6.0	.200A	.360W	150J	200.000G	10UA	80V	200	.001A
TIS99	N S	TII	168	168A	80	65	6.0	.200A	.360W	150J	200.000G	10UA	80V	110	.100A
TIX210		SEE 2N3551													
TIX211		SEE 2N3552													
TIX316	P G	TII	217	TO 72	15	10	.3	.050A	.075W	100J	400.000G	5UA	10V	70	
TIX317		SEE 2N3601													
TIX318		SEE 2N3603													
TIX888		SEE 2N3554													
TIX3016	-N S	TII	909	TO 50	30	15	3.0	.050A	.200W	200C	990.000G	10NA	6V	110	
TIX3016A	N S	TII	907	907A	30	15	3.0	.050A	.200W	200C	1000.000G	10NA	6V	80	.005A
TIX3024	P G	TII	907	907A	15	7	.3	.050A	.075W	100A	990.000G	6UA	10V	150	
TIX3032	P G	TII	217	TO 72	25	15	.2	.100A	.075W	100C	500.000G	10UA	15V	120	
TIX3033		SEE 2N3418													
TIX3034		SEE 2N3419													
TIX3035		SEE 2N3420													
TIX3036		SEE 2N3421													
TIXM01	-P G	TII	170	170H	20	10	.2	.030A	.075W	100A	355.000G	10UA	10V	40	.001A
TIXM02	-P G	TII	170	170H	20	10	.2	.030A	.075W	100A	282.000G	10UA	10V	40	.001A
TIXM03	-P G	TII	170	170H	20	10	.2	.030A	.075W	100A	316.000G	10UA	10V	20	.001A
TIXM04	-P G	TII	170	170H	20	10	.2	.030A	.075W	100A	224.000G	10UA	10V	40	.001A
TIXM05	-P G	TII	170	170H	20	10	.2	.030A	.075W	100A	450.000G	10UA	10V	40	.002A
TIXM06	-P G	TII	170	170H	20	10	.2	.030A	.075W	100A	380.000G	10UA	10V	40	.002A
TIXM07	-P G	TII	170	170H	20	10	.2	.030A	.075W	100A	315.000G	10UA	10V	20	.002A
TIXM08	-P G	TII	170	170H	20	10	.2	.030A	.075W	100A	380.000G	10UA	10V	40	.002A
TIXM10	P G	TII	170	170H	18	12	.2	.050A	.075W	100A	630.000G	10UA	10V	42	.003A
TIXM11	-P G	TII	170	170H	18	12	.2	.050A	.075W	100A	500.000G	10UA	10V	54	.003A
TIXM13	-P G	TII	168	168A	15	7	.3	.030A	.030W	125J	1000.000G				
TIXM14	P G	TII	43	TO 92	20	16	.3	.050A	.070W	125J	120.000G	5UA	6V	80	.002A
TIXM15	P G	TII	43	TO 92	20	16	.3	.050A	.070W	125J	300.000G	5UA	6V	40	.002A
TIXM16	P G	TII	43	TO 92	20	16	.3	.050A	.070W	125J	110.000G	5UA	6V	40	.002A
TIXM17	P G	TII	43	TO 92	20	16	.3	.050A	.070W	125J	300.000G	5UA	6V	70	.002A
TIXM18	-P G	TII	168	168A	18	12	.2	.050A	.070W	125J	900.000G	5UA	10V	90	.003A
TIXM19	-P G	TII	168	168A	18	12	.2	.050A	.070W	125J	900.000G	5UA	10V	100	.003A
TIXM101	P G	TII	217	TO 72	15	7	.3	.050A	.075W	100A	1500.000G	6UA	10V	80	.002A
TIXM103	P G	TII	917	917A	12	10	.3	.020A	.040W	100A	1800.000G	6UA	9V	100	.002A
TIXM104	P G	TII	917	917A	12	10	.3	.020A	.040W	100A	1400.000G	6UA	9V	100	.002A
TIXM105	P G	TII	917	917A	12	10	.3	.020A	.040W	100J	2200.000G	6UA	9V	72	.002A
TIXM106	P G	TII	916	916B	12	10	.3	.020A	.040W	100J	2200.000G	6UA	9V	72	.002A
TIXM107	P G	TII	916	916B	15	7	.3	.030A	.030W	125J	1500.000G	6UA	10V	53	.003A
TIXM108	P G	TII	916	916B	15	7	.3	.030A	.030W	125J	1500.000G	6UA	10V	53	.003A
TIXM201	-P G	TII	80	80A	30	15	.5	.050A	.075W	100A	200.000G	5UA	6V	36	.002A
TIXM202	-P G	TII	80	80A	30	15	.5	.050A	.075W	100A	220.000G	5UA	6V	36	
TIXM203	-P G	TII	80	80A	30	15	.5	.050A	.075W	100A	150.000G	5UA	6V	20	.002A
TIXM204	-P G	TII	80	80A	30	15	.5	.050A	.075W	100A	200.000G	5UA	6V	20	
TIXM205	-P G	TII	80	80A	30	15	.5	.050A	.075W	100A	11.400G	5UA	6V	20	
TIXM206	-P G	TII	80	80A	30	15	.5	.050A	.075W	100A	9.000G	5UA	6V	20	
TIXM207	-P G	TII	80	80A	30	15	.5	.050A	.075W	100A	99.000G	5UA	6V	20	.002A
TIXP07	-P S	TII	731	TO 53	100	80	8.0	7.500A	50.000W	175C	10.000G	5UA	50V	44	2.000A
TIXS09	-N S	TII	907	907A	30	15	3.0	.050A	.200W	200C		10NA	6V	70	.005A
TIXS10	-N S	TII	907	907A	25	13	3.0	.050A	.200W	200C		10NA	6V	100	.005A
TIXS12	N S	TII	950	950A	30	15	2.0	.200A	1.000W	200C	1400.000G	500NA	15V	80	.050A
TIXS13	N S	TII	950	950A	30	15	2.0	.200A	1.000W	200C	1200.000G	500NA	15V	80	.050A
TIXS28	N S	TII	43	TO 92	40	40	4.0	.030A	.200W	125A	630.000G	100NA	20V	60	.004A
TIXS29	-N S	TII	43	TO 92	40	40	4.0	.030A	.200W	125A	500.000G	100NA	20V	60	.004A

Transistor Type No.	N P	G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{cb}	V_{ce}	V_{eb}	Maximum I_c	Power	Max. T_j(°C)	Frequency Resp.(MHz)	Leakage I_{cbo} @	V_{cb}	Gain h_{fe} @	I_c
TIXS30	-N	S	TII	43	TO 92	40	40	4.0	.030A	.200W	125A	500.000G	100NA	20V	60	.004A
TIXS31	-N	S	TII	43	TO 92	40	40	4.0	.030A	.200W	125A	500.000G	100NA	20V	60	.004A
TIXS39	N	S	TII	211	TO 5	30	20	2.0	.200A	.720W	175C	600.000G	500NA	15V	80	.050A
TN53	N	S	SPR	210	TO 5	75	45	5.0	.800A	.800W	200J	100.000G	10NA	60V	100	.150A
TN54	N	S	SPR	210	TO 18	75	45	5.0	.800A	.500W	200J	100.000G	10NA	60V	100	.150A
TN55			SEE 2N4383													
TN56			SEE 2N4384													
TN57			SEE 2N4385													
TN58			SEE 2N4386													
TN59	N	S	SPR	210	TO 5	40	30	5.0	.800A	.800W	200J	100.000G	20NA	30V	200	.150A
TN60	N	S	SPR	210	TO 18	40	30	5.0	.800A	.500W	200J	100.000G	20NA	30V	200	.150A
TN61	N	S	SPR	210	TO 5	40	30	5.0	.800A	.800W	200J	100.000G	20NA	30V	100	.150A
TN62	N	S	SPR	210	TO 18	40	30	5.0	.800A	.500W	200J	100.000G	20NA	30V	100	.150A
TN63	N	S	SPR	210	TO 5	20	20	5.0	.800A	.800W	200J	100.000G	100NA	20V	50	.150A
TN64	N	S	SPR	210	TO 18	20	20	5.0	.800A	.500W	200J	100.000G	100NA	20V	50	.150A
TN79	N	S	SPR	210	TO 5	30	20	5.0		.800W	200J	50.000G	1NA	5V	200	.010A
TN80	N	S	SPR	210	TO 18	30	20	5.0		.500W	200J	50.000G	1NA	5V	200	.010A
TN81	N	S	SPR	210	TO 5	30	20	5.0		.800W		200.000G	100NA	30V	50	.150A
TN237	-N	S	SPR	210	TO 5	35	30	5.0	.800A	.800W	200C	100.000G	1UA	30V	100	.150A
TN624	N	S	SSP	211	211B	100	60	5.0	3.000A	.850W	200J	40.000G	100NA	60V	90	
TN624-1	N	S	SSP	211	TO 5	100	60	5.0	3.000A	.850W	200J	40.000G	100NA	60V	90	
TN624-2	N	S	SSP	581	581B	100	60	5.0	3.000A	5.000W	200J	40.000G	100NA	60V	90	
TN624-3	N	S	SSP	546	546A	100	60	5.0	3.000A	5.000W	200J	40.000G	100NA	60V	90	
TP3638	P	S	SPR	168	168B		25			.360W		100.000G			45	.050A
TP3638A	P	S	SPR	168	168B		25			.360W		150.000G			150	.050A
TP4274	N	S	SPR	168	168B		12			.280W		400.000G			75	.010A
TP4275	N	S	SPR	168	168B		15			.280W		400.000G			75	.010A
TQ53	-P	S	SPR	210	TO 5	75	45	5.0	.600A	.600W	200J	100.000G	10NA	60V	100	.150A
TQ53A	-P	S	SPR	210	TO 5	80	75	5.0	.600A	.600W	200J	100.000G	10NA	60V	100	.150A
TQ54	-P	S	SPR	210	TO 18	75	45	5.0	.600A	.400W	200J	100.000G	10NA	60V	100	.150A
TQ54A	-P	S	SPR	210	TO 18	80	75	5.0	.600A	.400W	200J	100.000G	10NA	60V	100	.150A
TQ55			SEE 2N4412													
TQ56			SEE 2N4413													
TQ57			SEE 2N4414													
TQ58			SEE 2N4415													
TQ59	P	S	SPR	210	TO 5	40	30	5.0	.600A	.600W	200J	100.000G	20NA	30V	200	.150A
TQ59A	-P	S	SPR	210	TO 5	60	60	5.0	.600A	.600W	200J	100.000G	10NA	60V	200	.150A
TQ60	P	S	SPR	210	TO 18	40	30	5.0	.600A	.400W	200J	100.000G	20NA	30V	200	.150A
TQ60A	-P	S	SPR	210	TO 18	60	60	5.0	.600A	.400W	200J	100.000G	10NA	60V	200	.150A
TQ61	P	S	SPR	210	TO 5	40	30	5.0	.600A	.600W	200J	100.000G	20NA	30V	100	.150A
TQ61A	-P	S	SPR	210	TO 5	60	60	5.0	.600A	.600W	200J	100.000G	20NA	30V	100	.150A
TQ62	P	S	SPR	210	TO 18	40	30	5.0	.600A	.400W	200J	100.000G	20NA	30V	100	.150A
TQ62A	-P	S	SPR	210	TO 18	60	60	5.0	.600A	.400W	200J	100.000G	20NA	30V	100	.150A
TQ63	P	S	SPR	210	TO 5	20	20	5.0	.600A	.600W	200J	100.000G	100NA	20V	50	.150A
TQ63A	-P	S	SPR	210	TO 5	30	30	5.0	.600A	.600W	200J	100.000G	100NA	20V	50	.150A
TQ64	P	S	SPR	210	TO 18	20	20	5.0	.600A	.400W	200J	100.000G	100NA	20V	50	.150A
TQ64A	-P	S	SPR	210	TO 18	30	30	5.0	.600A	.400W	200J	100.000G	100NA	20V	50	.150A
TR-01	P	G	INR	605	TO 3	70	50		7.000A	85.000W	110J	.600G			70	
TR-02	P	G	INR	605	TO 3	30	20		7.000A	85.000W	110J	.600G			100	
TR-03	P	G	INR	405	TO 36	50	40		15.000A	150.000W	110J	.600G			75	
TR-05	P	G	INR	210	TO 5	40	25		.200A	.200W	100J	4.000G			120	
TR-06	P	G	INR	210	TO 5	30	20		.200A	.200W	100J	4.000G			40	
TR-08	N	G	INR	210	TO 5	47	26		.300A	.150W	85J	25.000G			70	
TR-09	N	G	INR	210	TO 5	47	26		.300A	.150W	85J	25.000G			70	
TR-10	N	G	INR	210	TO 5	47	26		.300A	.150W	85J	25.000G			70	
TR-11	P	G	INR	120	TO 1	35	18		.005A	.060W	75J	7.000B			65	
TR-12	P	G	INR	120	TO 1	35	18		.010A	.055W	85J	40.000B			80	
TR-14	P	G	INR	120	TO 1	60	30		.150A	.150W	75J	1.000B			140	
TR-16	P	G	INR	605	TO 3	50	32		3.000A	70.000W	110J	.300B			80	
TR-17	P	G	INR	217	TO 72	25	20		.050A	.100W	100J	300.000G			60	
TR-19	P	S	INR	210	TO 5	25	25		.600A	.600W	200J	400.000G			60	
TR-20	P	S	INR	210	TO 18	25	25		.600A	.400W	200J	400.000G			60	
TR-21	N	S	INR	210	TO 18	25	15		.800A	.500W	175J	400.000G			60	
TR-22	N	S	INR	210	TO 18	25	20		.800A	.500W	175J	400.000G			60	
TR-23	N	S	INR	605	TO 66	375	350		3.000A	20.000W	175J	20.000G			40	
TR-24	N	S	INR	41	TO 92	40	25		.100A	.310W	135J	250.000G			75	
TR-25	N	S	INR	210	TO 5	65	50		.500A	5.000W	200J	100.000G			50	
TR-26	N	S	INR	605	TO 3	70	50		10.000A	90.000W	200J	7.000G			40	
TR-27	P	G	INR	605	TO 3	350	320		10.000A	56.000W	110J	1.000G			40	
TR-28	P	S	INR	210	TO 5	65	50		.500A	5.000W	200J	100.000G			50	
TR-29	P	S	INR	605	TO 3	70	50		10.000A	90.000W	200J	7.000G			40	
TR-30	P	S	INR	41	TO 92	40	25		.100A	.310W	135J	250.000G			75	
TRS301	-N	S	ITC	210	TO 5	300	300	6.0		.600W	175J	50.000G	2UA	200V	60	
TRS350	-N	S	ITC	210	TO 5	350	350S	6.0		.600W	175J	50.000G	2UA	250V	60	
TRS401	-N	S	ITC	210	TO 5	400	400S	6.0		.600W	175J	50.000G	2UA	300V	60	
TRS450	-N	S	ITC	210	TO 5	450	450S	6.0		.600W	175J	50.000G	2UA	350V	60	
TRS501	-N	S	ITC	210	TO 5	500	500S	6.0		.600W	175J	50.000G	2UA	350V	60	
TRS550	-N	S	ITC	210	TO 5	550	550S	6.0		.600W	175J	50.000G	10UA	450V	60	
TRS601	-N	S	ITC	210	TO 5	600	600S	6.0		.600W	175J	50.000G	10UA	500V	60	
TRS701	-N	S	ITC	210	TO 5	700	700S	6.0		.600W	175J	40.000G	10UA	550V	50	
TRS750	-N	S	ITC	210	TO 5	750	750S	6.0		.600W	175J	40.000G	10UA	575V	50	
TRS801	-N	S	ITC	210	TO 5	800	800S			.600W	175J	40.000G	10UA	600V	50	
TRS3011	-N	S	ITC	210	TO 46	300	300S	6.0		.300W	175J	50.000G	2UA	200V	60	
TRS3012	-N	S	ITC	210	TO 18	300	300S	6.0		.300W	175J	50.000G	2UA	200V	60	
TRS3014	-N	S	ITC	210	TO 5	300	300S	6.0		1.000W	175J	50.000G	2UA	200V	60	
TRS3015	-N	S	ITC	635	635B	300	300S	6.0		15.000W	175J	50.000G	2UA	200V	60	
TRS3501	-N	S	ITC	210	TO 46	350	350S	6.0		.300W	175J	50.000G	2UA	250V	60	
TRS3502	-N	S	ITC	210	TO 18	350	350S	6.0		.300W	175J	50.000G	2UA	250V	60	
TRS3504	-N	S	ITC	210	TO 5	350	350S	6.0		1.000W	175J	50.000G	2UA	250V	60	
TRS3505	-N	S	ITC	635	635B	350	350S	6.0		15.000W	175J	50.000G	2UA	250V	60	
TRS4001	-N	S	ITC	210	TO 46	400	400S	6.0		.300W	175J	50.000G	2UA	300V	60	
TRS4002	-N	S	ITC	210	TO 18	400	400S	6.0		.300W	175J	50.000G	2UA	300V	60	
TRS4004	-N	S	ITC	210	TO 5	400	400S	6.0		1.000W	175J	50.000G	2UA	300V	60	
TRS4005	-N	S	ITC	635	635B	400	400R	6.0		15.000W	175J	50.000G	2UA	300V	60	
TRS4501	-N	S	ITC	210	TO 46	450	450S	6.0		.300W	175J	50.000G	2UA	350V	60	
TRS4502	-N	S	ITC	210	TO 18	450	450S	6.0		.300W	175J	50.000G	2UA	350V	60	
TRS4504	-N	S	ITC	210	TO 5	450	450S	6.0		1.000W	175J	50.000G	2UA	350V	60	
TRS4505	-N	S	ITC	635	635B	450	450S	6.0		15.000W	175J	50.000G	2UA	350V	60	
TRS5011	-N	S	ITC	210	TO 46	500	500S	6.0		.300W	175J	50.000G	2UA	350V	60	
TRS5012	-N	S	ITC	210	TO 18	500	500S	6.0		.300W	175J	50.000G	2UA	350V	60	
TRS5014	-N	S	ITC	210	TO 5	500	500S	6.0		1.000W	175J	50.000G	2UA	350V	60	
TRS5501	-N	S	ITC	210	TO 46	550	550R	6.0		.300W	175J	50.000G	10UA	450V	60	
TRS5502	-N	S	ITC	210	TO 18	550	550S	6.0		.300W	175J	50.000G	11UA	450V	60	
TRS5504	-N	S	ITC	210	TO 5	550	550S	6.0		1.000W	175J	50.000G	10UA	450V	60	
TRS6011	-N	S	ITC	210	TO 46	600	600S	6.0		.300W	175J	50.000G	10UA	500V	60	
TRS6012	-N	S	ITC	210	TO 18	600	600S	6.0		.300W	175J	50.000G	11UA	500V	60	
TRS6014	-N	S	ITC	210	TO 5	600	600S	6.0		1.000W	175J	50.000G	10UA	500V	60	
TRS7014	-N	S	ITC	210	TO 5	700	700S	6.0		1.000W	175J	40.000G	10UA	550V	50	
TRS7015	-N	S	ITC	635	635B	700	700S	6.0		15.000W	175J	40.000G	10UA	550V	50	

Transistor Type No.	N P / G S	Manufacturer	Lead Ident	Out-line	Maximum (V) V_{CB}	V_{CEV}	V_{EB}	Maximum I_C	Power	Max. T_J(°C)	Frequency Resp.(MHz)	Leakage I_{CBO} @	V_{CB}	Gain h_{FE} @	I_C
TRS7504	-N S	ITC	210	TO 5	750	750S	6.0		1.000W	175J	40.000G	10UA	575V	50	
TRS7505	-N S	ITC	635	635B	750	750R	6.0		15.000W	175J	40.000G	10UA	575V	50	
TRS8014	-N S	ITC	210	TO 5	800	800S	6.0		1.000W	175J	40.000G	10UA	600V	50	
TRS8015	-N S	ITC	635	635B	800	800S	6.0		15.000W	175J	40.000G	10UA	600V	50	
TS173	-P G	TSE	605	TO 3	30			2.000A	16.000W	85J	.006E	1MA	25V	50	
TS601	-P G	TSE	212	TO 5	12	9S	5.0	.400A	.200W	102J	AUD	20UA	9V	30	
TS602	-P G	TSE	212	TO 5	12	9S	5.0	.400A	.200W	100J	AUD	20UA	9V	90	
TS603	-P G	TSE	212	TO 5	20	18S	5.0	.400A	.200W	100J	AUD	20UA	9V	30	
TS604	-P G	TSE	212	TO 5	20	18	5.0	.400A	.200W	100J	AUD	20UA	9V	90	
TS612	-P G	TSE	605	TO 3	40	20		2.000A	16.000W	85J	.007E	300UA	25V	30	
TS613	-P G	TSE	605	TO 3	80	40		2.000A	16.000W	85J	.007E	300UA	25V	30	
TS615	-P G	TSE	10	10F	45			.050A	.170W	85J	1.000B	15UA	45V	25	
TS616	-P G	TSE	170	170E	25			.200A	.300W	85J	144.000-	20UA	20V	30	
TS617	-P G	TSE	170	170E	25			.200A	.300W	85J	144.000-	20UA	20V	50	
TS618	-P G	TSE	170	170E	25			.200A	.300W	85J	144.000-	20UA	20V	70	
TS619	-P G	TSE	10	10F	25			.050A	.170W	85J	1.000B	20UA	20V	55	
TS620	-P G	TSE	10	10F	25			.050A	.170W	85J	1.000B	15UA	25V	55	
TS621	-P G	TSE	10	10F	25			.050A	.170W	85J	1.000B	15UA	25V	140	
TS630	-P G	TSE	10	10F	45			.050A	.170W	85J	1.000B	15UA	45V	50	
TV1000	P G	SEM	250	250A	15	15	2.0	.100A	.100W		1000.000G			140	
TW135	P S	SPR	210	TO 18	30		15.0	.100A	.400W	200J	10.000G	1NA	30V	50	
TZ81	N S	SPR	45	TO 98		30			.360W		30.000G			225	.001A
TZ82	N S	SPR	45	TO 98		30			.360W		30.000G			165	.001A
TZ551	P S	SPR	45	TO 98		30			.360W		150.000G			70	.150A
TZ552	P S	SPR	45	TO 98		30			.360W		150.000G			175	.150A
TZ553	P S	SPR	45	TO 98		30			.360W		150.000G			300	.150A
TZ554	P S	SPR	45	TO 98		30			.360W		150.000G			140	.150A
TZ581	P S	SPR	45	TO 98		30			.360W		20.000G			225	.001A
TZ582	P S	SPR	45	TO 98		30			.360W		20.000G			165	.001A
WX118UA	-N S	WHE	412	TO 82	50	50	15.0	10.000A	100.000W	150J	.010E	1MA	50V	360	
WX118UB	-N S	WHE	412	TO 82	100	100	15.0	10.000A	100.000W	150J	.010E	1MA	50V	360	
WX118UC	-N S	WHE	412	TO 82	150	150	15.0	10.000A	100.000W	150J	.010E	1MA	50V	360	
WX118XA	-N S	WHE	412	TO 82	50	50	15.0	10.000A	100.000W	150J	.017E	1MA	50V	650	
WX118XB	-N S	WHE	412	TO 82	100	100	15.0	10.000A	100.000W	150J	.007E	1MA	50V	650	
WX118XC	-N S	WHE	412	TO 82	150	150	15.0	10.000A	100.000W	150J	.007E	1MA	50V	650	
XA101	-P G	AEI	31	31A	20	16	12.0		.120W	65J	5.000B			35	
XA102	-P G	AEI	31	31A	20	16	12.0		.120W	65J	8.000B			60	
XA111	-P G	AEI	169	169B	20	16	12.0		.120W	65J	5.000B			35	
XA112	-P G	AEI	169	169B	20	16	12.0		.120W	65J	8.000B			60	
XA123	-P G	AEI	75	TO 45	20		.5		.080W	85J	30.000B			60	
XA124	-P G	AEI	75	TO 45	20		.5		.080W	85J	30.000B			60	
XA126	-P G	AEI	75	TO 45	20		1.5		.080W	85J	30.000B			60	
XA131	-P G	AEI	128	TO 44	30		.5		.125W	85J	100.000B			60	
XA141	-P G	AEI	210	TO 5	30		2.0		.120W	71A	30.000G			45	
XA142	-P G	AEI	210	TO 5	30		2.0		.120W	71A	30.000G			45	
XA143	-P G	AEI	210	TO 5	30		2.0		.120W	71A	30.000G			45	
XB102	-P G	AEI	31	31A	35	35R	12.0		.150W	75J	AUD			30	
XB103	-P G	AEI	31	31B	35	35R	12.0		.150W	75J	AUD			66	
XB104	-P G	AEI	31	31B	20	20R	12.0		.120W	65J	AUD			30	
XB112	-P G	AEI	169	169B	35	35R	12.0		.150W	75J	AUD			30	
XB113	-P G	AEI	169	169B	35	35R	12.0		.150W	75J	AUD			66	
XC101	-P G	AEI	31	31B	35	35R	12.0		.165W	75J	AUD			66	
XC121	-P G	AEI	169	169B	35	35R	12.0		.250W	75J	AUD			74	
XC131		M.P.XC121													
XC141	-P G	AEI	605	TO 3	40	40	12.0	3.000A	65.000W	90J	AUD			60	
XC142	-P G	AEI	605	TO 3	60	40	12.0	3.000A	65.000W	90J	AUD			60	
XC155	-P G	AEI	605	TO 3	80	50	60.0	10.000A	40.000W	90J	.650B			65	
XC156	-P G	AEI	605	TO 3	100	65	60.0	10.000A	40.000W	90J	.650B			65	

R-F Power Transistors

Transistor Type No.	N, G, P, S	Manufacturer	Lead Ident.	Outline	ABSOLUTE MAXIMUMS Power	V_{cb}	V_{ce}	V_{eb}	Temp.	R-F OPERATION G_{pe}	P_{out}	Freq.	V_{cc}	η, (%)	Leakage I_{cbo}	V_{cb}
2N1505	N S	TRW,HUG	211	TO 5	3.0W	50V	20V	3.0V	175C	7.00DB	1.0W	70MHZ	28V	36	50UA	28V
2N1506	N S	BEN,TRW,HUG	211	TO 5	3.0W	60V	20V	4.0V	175C	9.00DB	1.0W	70MHZ	28V	36	10UA	28V
2N1506A	N S	BEN,TRW,HUG	211	TO 5	3.5W	80V	50V	5.0V	200J	10.00DB	1.3W	70MHZ	28V	46	50NA	28V
2N1709	N S	TRW	171	TO 8	13.0W	75V	30V	4.0V	175C	10.00DB	5.0W	30MHZ	28V	50	10UA	28V
2N1710	N S	TRW	171	TO 8	13.0W	60V	30V	3.0V	175C	8.00DB	5.0W	30MHZ	28V		50UA	28V
2N2095	P G	HUG	171	TO 31	1.0W	30V	15V	1.0V	100C	6.00DB	.5W	160MHZ	16V			
2N2098	P G	HUG	171	TO 9	1.0W	30V	15V	1.0V	100C	6.00DB	.5W	160MHZ	15V			
2N2631	N S	RCA	211	TO 39	8.8W	80V	60V	4.0V	200C	4.80DB	3.0W	150MHZ	28V	70	100NA	30V
2N2781	N S	TRW	171	TO 8	13.0W	75V	30V	5.0V	175C	12.50DB	5.0W	30MHZ	28V	50	500UA	28V
2N2782	N S	TRW	171	TO 8	13.0W	100V	40V	5.0V	175C	12.50DB	5.0W	30MHZ	28V	50	500UA	28V
2N2783	N S	TRW	171	TO 8	13.0W	100V	40V	5.0V	175C	12.50DB	5.0W	30MHZ	28V	50	10UA	28V
2N2874	N S	TRW	171	TO 8	15.0W	75V	40V	4.0V	175C	10.00DB	3.0W	70MHZ	28V	40	10UA	28V
2N2876	N S	RCA	540	TO 60	17.5W	80V	60V	4.0V	200C	4.80DB	3.0W	150MHZ	28V	40	100NA	30V
2N2887	N S	TRW	540	TO 60	25.0W	100V	80V	4.0V	200C	9.00DB	10.0W	100MHZ	45V	50	500UA	28V
2N3118	N S	RCA,HUG	211	TO 5	4.0W	85V	60V	4.0V	200C	10.00DB	1.0W	50MHZ	28V	45	100NA	30V
2N3229	N S	RCA	540	TO 60	17.5W	105V	60V	4.0V	200J	8.80DB	15.0W	50MHZ	50V		100NA	30V
2N3375	N S	MOT,RCA,ITT,FSC,NSC,TII	540	TO 60	11.6W	65V	40V	4.0V	200J	13.70DB	7.5W	100MHZ	28V	70	1MA	65V
2N3553	N S	RCA,MOT,ITT,NSC,TII,AMP	211	TO 39	7.0W	65V	40V	4.0V	200J	14.00DB	2.5W	175MHZ	28V	50	1MA	65V
2N3632	N S	MOT,RCA,ITT,NSC,TII,AMP	540	TO 60	23.0W	65V	40V	4.0V	200J	8.60DB	13.5W	175MHZ	28V	70	500UA	65V
2N3733	N S	RCA,MOT,ITT,RAY,IMH	540	TO 60	23.0W	65V	40V	4.0V	200C	4.00DB	10.0W	400MHZ	28V	45	500UA	65V
2N3866	N S	RCA,MOT,ITT,NSC,TII,IMH	211	TO 39	5.0W	55V	30V	3.5V	200C	10.00DB	1.0W	400MHZ	28V	45	100UA	55V
2N3924	N S	MOT,AMP	211	TO 39	7.0W	36V	18V	4.0V	200C	6.00DB	4.0W	175MHZ	14V	70	100UA	15V
2N3925	N S	MOT	540	T0102	10.0W	36V	18V	4.0V	200C	5.80DB	5.0W	175MHZ	14V	70	100UA	15V
2N3926	N S	MOT,AMP	543	TO 60	11.6W	36V	18V	4.0V	200C	5.40DB	7.0W	175MHZ	14V	70	100UA	15V
2N3927	N S	MOT,AMP	543	TO 60	23.2W	36V	18V	4.0V	200C	4.80DB	12.0W	175MHZ	14V	80	250UA	15V
2N3948	N S	MOT	210	TO 39	5.0W	36V	20V	3.5V	200C	6.00DB	1.0W	400MHZ	14V	45	100NA	15V
2N3961	N S	MOT	540	T0102	10.0W	65V	40V	4.0V	200C	9.00DB	4.0W	175MHZ	28V	60	1MA	65V
2N4012	N S	MOT,RCA,ITT,IMH	540	TO 60	11.6W	65V	40V	4.0V	200J	4.00DB	2.5W	1002MHZ	28V	25	1MA	65V
2N4040	N S	TRW,TII	962	T0117	17.5W	60V	40V	4.0V	200C	4.30DB	8.0W	400MHZ	28V	50	200UA	30V
2N4041	N S	TRW,TII	962	T0117	10.0W	60V	40V	4.0V	200C	5.20DB	3.3W	400MHZ	28V	50	200UA	30V
2N4127	N S	TRW	905	905B	25.0W	60V	40V	4.0V	200C	7.30DB	13.5W	175MHZ	25V	60	500UA	30V
2N4128	N S	TRW	905	905B	40.0W	60V	40V	4.0V	200C	6.00DB	24.0W	175MHZ	25V	65	500UA	30V
2N4350	N S	HUG	211	TO 5	7.0W	65V	40V	4.0V	200C	7.8DB	1.5W	200MHZ	28V			
2N4427	N S	RCA,ITT,AMP,MOT,IMH,HUG	211	TO 39	3.5W	40V	20V	2.0V	200C	10.00DB	1.0W	175MHZ	12V	50	1MA	40V
2N4428	N S	TRW,MOT	211	TO 39	3.5W	55V	35V	3.5V	200J	10.00DB	.8W	500MHZ	28V	35	1MA	55V
2N4429	N S	TRW	905	905C	5.0W	55V	35V	3.5V	200J	5.20B	1.0W	1000MHZ	28V	35	1MA	55V
2N4430	N S	TRW	905	905B	10.0W	55V	40V	3.5V	200J	5.00B	2.5W	1000MHZ	28V	35	2MA	55V
2N4431	N S	TRW	905	905B	18.0W	55V	40V	3.5V	200J	5.00B	5.0W	1000MHZ	28V	35	4MA	55V
2N4440	N S	RCA,RAY,IMH,SOL	540	TO 60	11.6W	65V	40V	4.0V	200C	5.00B	5.0W	400MHZ	28V	45	1MA	65V
2N4874	N S	FSC	211	TO 39	6.0W	30V	20V	2.0V	200C	10.00B	1.0W	400MHZ	20V		500NA	15V
2N4875	N S	FSC	211	TO 39	6.0W	40V	25V	2.0V	200C	9.50B	.9W	400MHZ	20V		500NA	15V
2N4876	N S	FSC	211	TO 39	6.0W	40V	30V	2.0V	200C	8.50B	.7W	400MHZ	20V		500NA	15V
2N4932	N S	RCA	543	TO 60	70.0W	50V	25V	4.0V	200C	5.4DB	12.0W	70MHZ	14V	70	5MA	45V
2N4933	N S	RCA	543	TO 60	70.0W	70V	35V	4.0V	200C	7.6DB	20.0W	70MHZ	24V	70	5MA	65V
2N5016	N S	RCA,RAY	543	TO 60	30.0W	65V	30V	4.0V	200C	4.8DB	15.0W	400MHZ	28V	50	10MA	60V
2N5025	N S	FSC	543	TO 60	45.0W	75V	75V	4.5V	200J	7.6DB	20.0W	50MHZ	14V	65	10UA	60V
2N5026	N S	FSC	543	TO 60	45.0W	90V	90V	4.5V	200J	10.0DB	25.0W	80MHZ	28V	65	10UA	50V
2N5070	N S	RCA	543	TO 60	70.0W	65V	30V	4.0V	200C	13.0DB	25.0W	30MHZ	24V	40	10MA	60V
2N5071	N S	RCA	543	TO 60	70.0W	65V	30V	4.0V	200C	9.0DB	24.0W	70MHZ	24V	60	10MA	60V
2N5090	N S	RCA	543	TO 60	50.0W	55V	30V	3.5V	200J	7.8DB	1.2W	400MHZ	28V	45	1MA	55V
2N5102	N S	RCA	543	TO 60	70.0W	90V	50V R	4.0V	200C	4.0DB	15.0W	136MHZ	24V	70	20MA	83V
2N5108	N S	RCA,RAY,MOT,SOL	211	TO 39	3.5W	55V	35V R	3.0V	200C	5.0DB	1.0W	1000MHZ	28V	35	1MA	50V
2N5108A	N S		211	TO 39	3.5W	55V	55V	3.0V	200C	5.0DB	1.0W	1000MHZ	28V	35	10NA	50V
2N5109	N S	RCA	211	TO 39	3.5W	40V	20V	3.0V	200C	11.0DB	1.3W	200MHZ	15V	09	5MA	35V
2N5160	P S	MOT	211	TO 39	5.0W	60V	40V	4.0V	200C	8.0DB	1.0W	400MHZ	28V	45	1UA	28V
2N5161	P S	MOT	543	TO 60	20.0W	66V	40V	4.0V	200C	8.8DB	7.5W	175MHZ	28V	45	100UA	28V
2N5162	P S	MOT	543	TO 60	50.0W	60V	40V	4.0V	200C	6.0DB	30.0W	175MHZ	28V	55	100UA	28V
2N5421	N S		211	TO 39	3.0W	36V	18V	4.0V	200C	9.0DB	1.0W	175MHZ	14V	55	1UA	18V
2N5422	N S		211	TO 39	5.0W	36V	18V	4.0V	200C	8.0DB	2.0W	175MHZ	14V	70	1UA	18V
2N5423	N S		543	TO 60	12.0W	36V	18V	4.0V	200C	6.0DB	5.0W	175MHZ	14V	70	1UA	18V
2N5424	N S		543	TO 60	20.0W	36V	18V	4.0V	200C	5.0DB	4.1W	175MHZ	14V	70	1UA	18V
2N5481	N S		962	962B	5.0W	50V	30V	3.0V	200C	6.0DB	1.0W	2000MHZ	28V	25	2MA	50V
2N5482	N S		962	962B	10.0W	50V	30V	3.0V	200C	5.0DB	2.5W	2000MHZ	28V	30	3MA	50V
2N5483	N S		962	962B	20.0W	45V	30V	3.0V	200C	4.0DB	5.0W	2000MHZ	28V	30	6MA	45V
2N5589	N S	MOT	962	962A	15.0W	36V	18V	4.0V	200C	8.2DB	3.0W	175MHZ	14V	50	1MA	15V
2N5590	N S	MOT	964	964C	30.0W	36V	18V	4.0V	200C	5.2DB	10.0W	175MHZ	14V	50	1MA	15V
2N5591	N S	MOT	964	964C	70.0W	36V	18V	4.0V	200C	4.4DB	25.0W	175MHZ	14V	50	1MA	15V
2N5595	N S		962	962B	20.0W	55V	30V	3.5V	200C	6.0DB	10.0W	1000MHZ	28V	60	5MA	50V
2N5596	N S		962	962B	40.0W	55V	30V	3.5V	200C	5.0DB	20.0W	1000MHZ	28V	60	5MA	50V
2N5635	N S	MOT	962	962A	7.5W	60V	35V	4.0V	200C	6.2DB	2.5W	400MHZ	28V	50	100UA	30V
2N5636	N S	MOT	962	962A	15.0W	60V	35V	4.0V	200C	5.7DB	7.5W	400MHZ	28V	50	1MA	30V
2N5637	N S	MOT	964	964C	30.0W	60V	35V	4.0V	200C	4.6DB	20.0W	400MHZ	28V	60	1MA	30V
2N5641	N S	MOT	962	962A	15.0W	65V	35V	4.0V	200C	8.4DB	7.0W	175MHZ	28V	60	1MA	30V
2N5642	N S	MOT	964	964C	30.0W	65V	35V	4.0V	200C	8.2DB	20.0W	175MHZ	28V	60	1MA	30V
2N5643	N S	MOT	964	964C	60.0W	65V	35V	4.0V	200C	7.6DB	40.0W	175MHZ	28V	60	1MA	30V
2N5644	N S		964	964B	3.5W	36V	18V	4.0V	200C	7.0DB	1.0W	470MHZ	13V	60	100UA	15V
2N5645	N S		964	964B	12.0W	36V	18V	4.0V	200C	6.0DB	4.0W	470MHZ	13V	60	500UA	15V
2N5646	N S		964	964B	30.0W	36V	18V	4.0V	200C	4.7DB	12.0W	470MHZ	13V	60	1MA	15V
2N5687	N S	TRW	211	TO 39	5.0W	40V	20V	3.0V	200C	12.0DB	1.5W	50MHZ	13V	65	1MA	10V
2N5688	N S	TRW	962	T0117	10.0W	40V	20V	3.0V	200C	13.0DB	5.0W	50MHZ	13V	65	1MA	10V
2N5689	N S	TRW	962	T0117	25.0W	60V	40V	3.0V	200C	10.0DB	10.0W	50MHZ	13V	60	1MA	10V
2N5690	N S	TRW	962	T0128	50.0W	50V	30V	4.0V	200C	10.0DB	25.0W	50MHZ	13V	60	1MA	10V
2N5691	N S	TRW	655	655A	88.0W	50V	30V	4.0V	200C	8.0DB	40.0W	50MHZ	13V	60	1MA	10V
2N5697	N S	TRW	211	TO 39	3.5W	40V	18V	3.0V	200C	7.0DB	.3W	470MHZ	13V	60	1MA	10V
2N5698	N S	TRW	961	T0131	5.0W	40V	18V	3.0V	200C	6.0DB	1.0W	470MHZ	13V	60	1MA	10V
2N5699	N S	TRW	964	T0129	10.0W	40V	18V	3.0V	200C	5.5DB	3.5W	470MHZ	13V	60	2MA	10V
2N5700	N S	TRW	964	T0129	35.0W	40V	18V	3.0V	200C	5.0DB	11.0W	470MHZ	13V	60	2MA	10V
2N5701	N S	TRW	964	T0129	35.0W	40V	18V	3.0V	200C	5.0DB	20.0W	470MHZ	13V	60	3MA	10V
2N5702	N S	TRW	211	TO 39	.5W	36V	18V	3.0V	200C	6.0DB	1.5W	175MHZ	13V	60	1MA	10V
2N5703	N S	TRW	962	T0117	10.0W	36V	18V	3.0V	200C	8.0DB	3.0W	175MHZ	13V	60	1MA	10V
2N5704	N S	TRW	962	T0117	25.0W	36V	18V	3.0V	200C	5.0DB	12.0W	175MHZ	13V	60	1MA	10V
2N5705	N S	TRW	962	T0128	44.0W	36V	18V	3.0V	200C	4.0DB	25.0W	175MHZ	13V	60	2MA	10V
2N5706	N S	TRW	655	655A	80.0W	36V	18V	3.0V	200C	4.0DB	40.0W	175MHZ	13V	60	3MA	10V
2N5707	N S		962	T0128	70.0W	70V	50V	4.0V	200J	14.0DB	10.0W	28MHZ	28V	27	5MA	55V
2N5708	N S		962	T0128	100.0W	70V	50V	4.0V	200J	13.0DB	20.0W	28MHZ	28V	35	5MA	55V
2N5709	N S		655	655A	140.0W	70V	50V	4.0V	200J	13.0DB	40.0W	28MHZ	28V	40	10MA	55V
2N5710	N S	TRW	211	TO 39	3.5W	40V	20V	3.0V	200C	11.0DB	.3W	150MHZ	13V	60	100UA	5V
2N5711	N S	TRW	962	T0117	10.0W	60V	36V	3.0V	200C	10.0DB	1.5W	150MHZ	13V	60	200UA	10V
2N5712	N S	TRW	962	T0117	25.0W	60V	40V	4.0V	200C	6.0DB	5.0W	150MHZ	13V	60	300UA	10V
2N5713	N S	TRW	962	T0128	45.0W	60V	40V	4.0V	200C	5.0DB	11.0W	150MHZ	13V	60	500UA	10V
2N5714	N S	TRW	650	650A	70.0W	60V	40V	4.0V	200C	5.0DB	20.0W	150MHZ	13V	60	1MA	10V
2N5715	N S		963	963A	6.0W	50V	30V	3.5V	200C	9.0DB	.3W	2000MHZ	28V	15	500UA	45V
2N5761	N S		965	965A	.2W	20V	15V	3.0V	150C	3.0DB	.0W	4000MHZ	10V		500NA	10V
2N5762	N S		965	965A	.3W	20V	20V	1.5V	150C	7.0DB	.0W	2000MHZ	10V		500NA	10V
40082	N S	RCA	211	TO 39	5.0W		60V X	2.5V	200J	9.30B	3.0W	27MHZ	12V		10UA	15V

Transistor Type No.	N/P	G/S	Manufacturer	Lead Ident.	Outline	ABSOLUTE MAXIMUMS Power	V_{CB}	V_{CE}	V_{EB}	Temp.	R-F OPERATION G_{pe}	P_{out}	Freq.	V_{CC}	η_c (%)	Leakage I_{CBO}	V_{CB}
40279	N	S	RCA	540	TO 60	11.6W	65V	40V	4.0V	200J	8.8DB	7.5W	100MHZ	28V	65	100NA	30V
40280	N	S	RCA	211	TO 39	7.0W	36V	18V	4.0V	200J	9.0DB	1.0W	175MHZ	14V	60	100UA	15V
40281	N	S	RCA	543	TO 60	11.6W	36V	18V	4.0V	200J	6.0DB	4.0W	175MHZ	14V	70	100UA	15V
40282	N	S	RCA	543	TO 60	23.2W	36V	18V	4.0V	200J	4.8DB	12.0W	175MHZ	14V	80	250UA	15V
40290	N	S	RCA	211	TO 39	7.0W		50V	X 4.0V	200J	6.0DB	2.0W	135MHZ	13V	70	100UA	15V
40291	N	S	RCA	540	TO 60	11.6W		50V	X 4.0V	200J	6.0DB	2.0W	135MHZ	13V	70	100UA	15V
40292	N	S	RCA	540	TO 60	23.2W		50V	X 4.0V	200J	4.8DB	6.0W	135MHZ	13V	70	250UA	15V
40305	N	S	RCA	211	TO 39	7.0W	65V	40V	4.0V	200J	10.0DB	2.5W	175MHZ	28V	50	100NA	30V
40306	N	S	RCA	540	TO 60	11.6W	65V	40V	4.0V	200J	8.8DB	7.5W	100MHZ	28V	65	100NA	30V
40307	N	S	RCA	540	TO 60	23.0W	65V	40V	4.0V	200J	5.8DB	13.5W	175MHZ	28V	70	250NA	30V
40340	N	S	RCA	543	TO 60	70.0W	60V	25V	4.0V	200J	7.0DB	25.0W	50MHZ	14V	60	10MA	50V
40341	N	S	RCA	543	TO 60	70.0W	70V	35V	4.0V	200J	10.0DB	30.0W	50MHZ	24V	60	10MA	40V
40446	N	S	RCA	211	TO 39	10.0W		60V	X 2.5V	200J	9.3DB	3.0W	27MHZ	12V		10UA	15V
40577	N	S	RCA	211	TO 5	3.0W		85V	X 4.0V	200J	10.0DB	1.0W	50MHZ	28V		10NA	30V
40578	N	S	RCA	211	TO 39	5.0W	55V	30V	3.5V	200J	15.6DB	1.8W	100MHZ	28V	60	100NA	28V
40581	N	S	RCA	635	635B	5.0W		60V	X 2.5V	200J	10.0DB	3.5W	27MHZ	12V		10UA	15V
40582	N	S	RCA	635	635B	10.0W		60V	X 2.5V	200J	10.0DB	3.5W	27MHZ	12V		10UA	15V
40605	N	S	RCA	211	TO 39	7.0W	65V	40V	4.0V	200J	13.7DB	2.5W	175MHZ	28V	50	100NA	30V
40665	N	S	RCA	543	TO 60	23.0W	65V	40V	4.0V	200J	8.6DB	13.5W	175MHZ	28V	70	250UA	30V
40666	N	S	RCA	543	TO 60	11.6W	65V	40V	4.0V	200J	13.7DB	7.5W	100MHZ	28V	65	100UA	30V
MM1549	N	S	MOT	962	962A	7.5W	60V	35V	4.0V	200J	6.2DB	2.5W	400MHZ	28V	50	100UA	30V
MM1550	N	S	MOT	962	962A	15.0W	60V	35V	4.0V	200J	5.7DB	7.5W	400MHZ	28V	50	1MA	30V
MM1551	N	S	MOT	964	964C	30.0W	60V	35V	4.0V	200J	4.6DB	20.0W	400MHZ	28V	50	1MA	30V
MM1557	N	S	MOT	962	962A	15.0W	65V	35V	4.0V	200J	8.4DB	7.0W	175MHZ	28V	60	1MA	30V
MM1558	N	S	MOT	962	962A	30.0W	65V	35V	4.0V	200J	8.2DB	20.0W	175MHZ	28V	60	1MA	30V
MM1559	N	S	MOT	964	964C	60.0W	65V	35V	4.0V	200J	7.6DB	40.0W	175MHZ	28V	60	1MA	30V
MM1603	N	S	MOT	964	964C	70.0W	36V	18V	4.0V	200J	4.4DB	25.0W	175MHZ	14V	50	1MA	15V
MM4429	N	S	MOT	964	964C	5.0W	55V	35V	3.5V	200J	5.2DB	1.0W	1000MHZ	28V			
MM4430	N	S	MOT	964	964C	5.0W	55V	35V	3.5V	200J	5.0DB	2.5W	1000MHZ	28V			
MSA7505	N	S	FSC	543	TO 60	25.0W		65V	S 4.0V	200J	5.6DB	10.0W	400MHZ	28V	60	5MA	65V
MSA8505	N	S	FSC	543	TO 60	21.0W		65V	S 4.0V	200J	4.6DB	10.0W	400MHZ	28V	60	5MA	65V
MSA8506	N	S	FSC	964	964B	50.0W		36V	S 4.0V	200J	8.5DB	7.0W	175MHZ	13V	65		
SRF12212	N	S	SDL	540	TO 60		40V	20V	4.0V		7.0DB	15.0W	175MHZ	13V			
SRF32214	N	S	SDL	540	TO 60		40V	20V	4.0V								

- = Obsolete
N = NPN
P = PNP
G = Germanium
S = Silicon

Key to Manufacturers Page 192.

M.P. - 2N224 = a matched pair of 2N224's.
SEE 2N____ = Cross reference from an obsolete type to one with equal or higher specifications.

Numbers refer to Lead and Terminal Identification Page 182.

TO numbers refer to Registered Transistor Outlines Page 96.

Other numbers refer to Transistor Outlines Page 160.

Maximum power that can be dissipated at 25° C case temperature.

Maximum operating temperature (°C)
A = ambient C = Case J = Junction

Current between collector and base with emitter open, at voltage shown.
MA = milliamperes.
UA = microamperes.
NA = nanoamperes.

Collector efficiency (η_C) is for the conditions shown under RF operation.

Operating characteristics at 25° case temperature. Design gain G_{pe} produces output power P_{out} in a circuit operating at the indicated frequency (Freq) and using collector voltage supply V_{CC}.

Maximum voltages that cannot be exceeded without permanent damage to the transistor.

V_{CB} = Collector-to-base voltage with emitter open.

V_{CE} = Collector-to-emitter voltage (base open, if no subscript indicated).

R = Resistor between emitter and base.
S = Short between emitter and base.
X = B-E junction forward biased.

V_{EB} = Emitter-to-base reverse voltage with collector open.

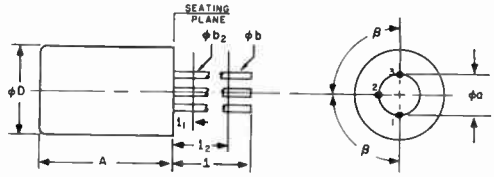
Registered Transistor Outlines

The outlines in this section have been registered and assigned a JEDEC outline number—a TO designation that indicates the semiconductor device has more than two terminals. (Two-terminal devices are assigned DO numbers.) The TO outline provides only the physical shape and dimensions of a semiconductor device. It does not indicate any electrical characteristics, such as base, emitter, collector. Terminal identification for transistors in this manual are to be found in the Lead and Terminal Identification section. For additional information relating to outline drawings, refer to Transistor Outlines, page 160.

The gaps in the numerical sequence of TO numbers are due to the fact that there are no outlines for TO-4, TO-19, TO-20, TO-21, TO-34, and TO-35.

The TO outline drawings and the related information in this section are reproduced through the courtesy of the Electronic Industries Association (EIA) and the Joint Electron Device Engineering Council (JEDEC).

TO 1



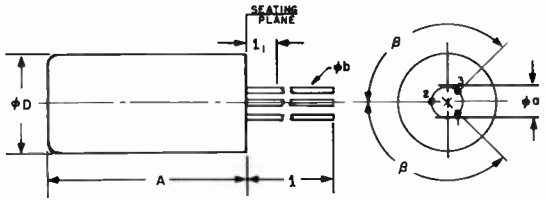
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.061	.081	1.55	2.06	
A		.410		10.41	
ϕb		.021		.533	1
ϕb_2	.016	.019	.406	.483	1
ϕD		.240		6.10	
l	1.500		38.10		1
l_1		.050		1.27	
l_2	.250		6.35		1
β	90° NOMINAL				

NOTES:

1. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 2



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.028	.035	.711	.889	
A		.255		6.48	
ϕb	.012	.014	.305	.356	2
ϕD		.135		3.43	
l	1.500		38.10		2
l_1		.080		2.03	1, 2
β	120° NOMINAL				

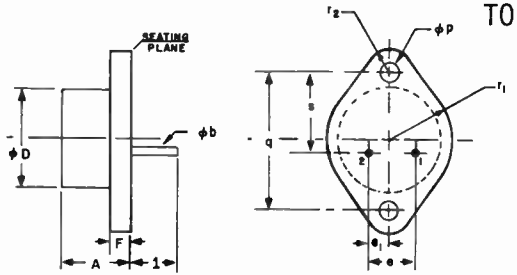
NOTES:

1. INSULATION RUNDOWN.

2. THREE LEADS.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 3



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.250	.450	6.35	11.43	
ϕb	.038	.043	.97	1.09	2
ϕD		.875		22.23	
e	.420	.440	10.67	11.18	
e_1	.205	.225	5.21	5.72	
F		.135		3.43	
l	.312		7.92		2
ϕp	.151	.161	3.84	4.09	
q	1.177	1.197	29.90	30.40	
r_1		.525		13.34	
r_2		.188		4.78	
s	.655	.675	16.64	17.15	1

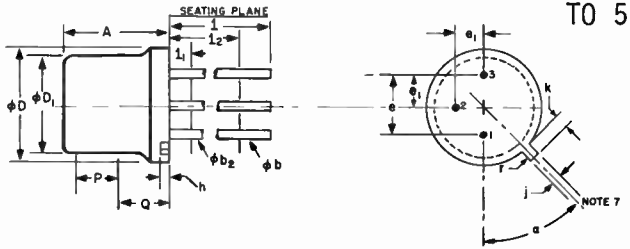
NOTES:

1. THESE DIMENSIONS SHOULD BE MEASURED AT POINTS .050" (1.27 MM) TO .055" (1.40 MM) BELOW SEATING PLANE. WHEN GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.

2. TWO LEADS.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION

TO 5

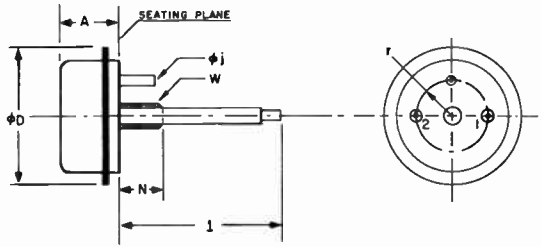


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.335	.370	8.51	9.40	
ϕD_1	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4, 5
e_1	.100 T.P.		2.54 T.P.		5
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	5
k	.029	.045	.737	1.14	3, 5
l	1.500		38.10		2
l_1		.050		1.27	2
l_2	.250		6.35		2
P	.100		2.54		1
Q					6
r		.007		.179	
a	45° T.P.				5, 7

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THE ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO THE MAXIMUM-WIDTH TAB.
5. THE DEVICE MAY BE MEASURED BY DIRECT METHODS OR BY THE GAGE AND GAGING PROCEDURE DESCRIBED ON GAGE DRAWING GS-1.
6. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.
7. TAB CENTERLINE.

TO 6



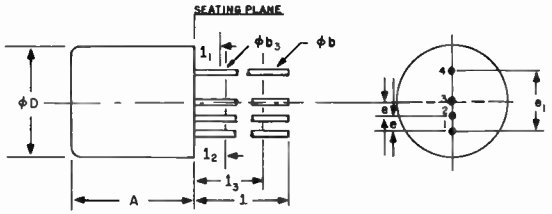
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.625		15.88	
ϕD		1.188		30.18	
l	1.625		41.28		
ϕj	.120 NOMINAL		3.05 NOMINAL		1
N	.438 NOMINAL		11.13 NOMINAL		
r	.345 NOMINAL		8.76 NOMINAL		
W					2

NOTES:

1. INSULATED LOCATOR PIN.
2. 10-32 UNF-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER .1697" (4.31 MM) REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28 1957 P1.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 7



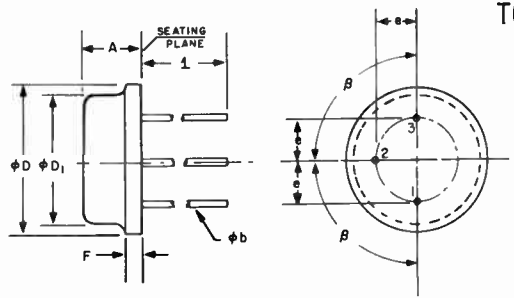
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.375		9.53	
ϕb	.016	.021	.406	.533	2
ϕb_3	.016	.019	.406	.483	2
ϕD		.360		9.14	
e	.041	.055	1.04	1.40	
e_1	.185	.199	4.70	5.05	
1	1.500		38.10		
l_1		.050		1.27	2
l_2		.080		2.03	1, 2
l_3	.250		6.35		2

NOTES:

1. EXTERNALLY COATED DEVICES SHALL NOT HAVE COATING ON THE LEADS BEYOND THIS ZONE.
2. (FOUR LEADS) ϕb_3 APPLIES BETWEEN l_1 AND l_3. ϕb APPLIES BETWEEN l_3 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 8



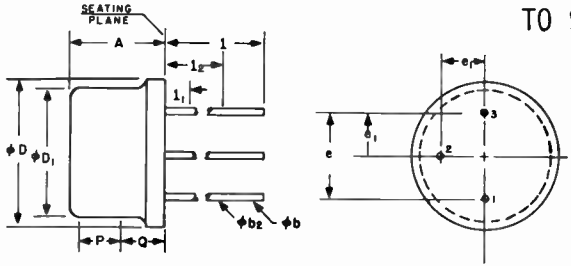
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.270	.330	6.86	8.38	
ϕb	.027	.033	.686	.838	1
ϕD	.550	.650	13.97	16.51	
ϕD_1	.444	.524	11.28	13.31	
e	.136	.146	3.45	3.71	
F		.115		2.92	
1	.360	.440	9.14	11.18	1
β	90° NOMINAL				

NOTES:

1. THREE LEADS.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION

TO 9

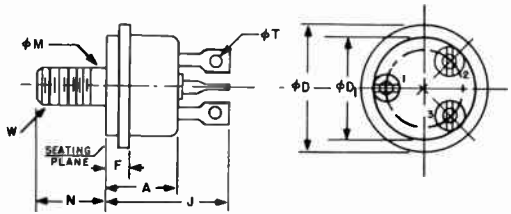


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.200	.260	5.08	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.290	.370	7.37	9.40	
ϕD_1	.275	.335	6.99	8.51	
e	.200 T.P.		5.08 T.P.		3
e_1	.100 T.P.		2.54 T.P.		
1	.500		12.70		
1_1		.050		1.27	
1_2	.250		6.35		
P	.065		1.65		1
Q		.155		3.94	4

NOTES:

1. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN 1_1 AND 1_2. ϕb APPLIES BETWEEN 1_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN 1_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
3. LEADS HAVING A MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN A GAGING PLANE OF .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (1.78 MM) OF THEIR TRUE POSITIONS (T.P.).
4. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.

TO 10



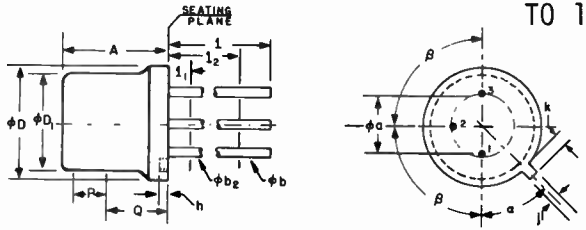
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.290	.440	7.37	11.18	
ϕD		.650		16.51	
ϕD_1	.410	.560	10.41	14.22	
F	.060	.330	1.52	8.38	
J		.650		16.51	
ϕM	.163	.189	4.14	4.80	3
N	.335	.375	8.51	9.53	
ϕT	.040		1.02		1
W					2, 3

NOTES:

1. ANGULAR ORIENTATION OF INDIVIDUAL SOLDERED TERMINALS IS UNDEFINED.
2. 10-32 UNF-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER .1697" (4.31 MM) REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28 1957 P1.
3. COMPLETE THREADS SHALL EXTEND TO WITHIN 2-1/2 THREADS OF THE SEATING PLANE.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 11

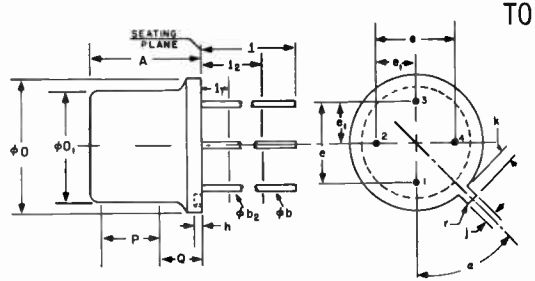


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.190	.210	4.83	5.33	
A	.360	.390	9.14	9.91	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD		.370		9.40	
ϕD_1	.305	.335	7.75	8.51	
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	
k	.029		.737		3
1	1.500		38.10		2
l_1		.050		1.27	2
l_2	.250		6.35		2
P	.200		5.08		1
Q					4
α	45° NOMINAL				
β	90° NOMINAL				

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.
   THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 12

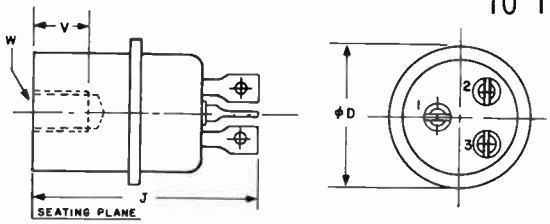


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.335	.370	8.51	9.40	
ϕD_1	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4, 5
e_1	.100 T.P.		2.54 T.P.		5
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	5
k	.029	.045	.737	1.14	3, 5
1	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
P	.100		2.54		1
Q					6
r		.007		.178	
α	45° T.P.				5, 7

NOTES:

1. THIS ZONE IS UNCONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (FOUR LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN A GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO THE MAXIMUM-WIDTH TAB.
5. THE DEVICE MAY BE MEASURED BY DIRECT METHODS OR BY THE GAGE AND GAGING PROCEDURE DESCRIBED ON GAGE DRAWING GS-1.
6. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.
7. TAB CENTERLINE.

TO 13



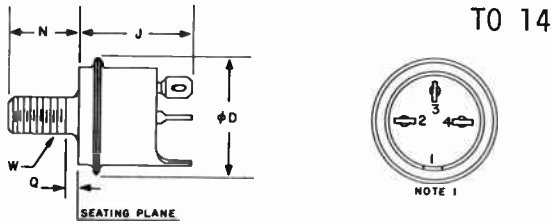
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ØD		.650		16.51	
J		1.040		26.42	
V	.250		6.35		
W					1

NOTES:

1. 1/4-28 UNF-2B.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 14



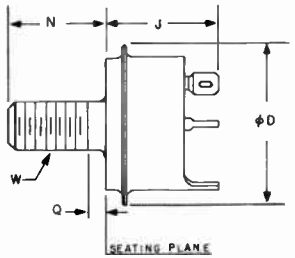
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ØD		.650		16.51	
J		.650		16.51	
N	.335	.375	8.51	9.53	
Q		.080		2.03	
W					2

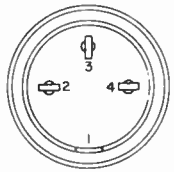
NOTES:

1. TERMINALS MAY BE REFERRED TO BY NUMBER AS FOLLOWS: TERMINAL NO. 1 IS THE ODD TERMINAL AND CONNECTED TO THE CASE. OTHER TERMINALS ARE NUMBERED CLOCKWISE FROM NO. 1.
2. 10-32 UNF-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER .1697" (4.31 MM) REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28 1957 P1.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 15





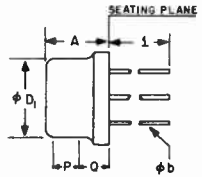
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕD		.850		21.59	
J		.650		16.51	
N	.460	.500	11.68	12.70	
Q		.100		2.54	
W					2

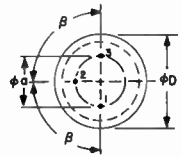
NOTES:

1. TERMINALS MAY BE REFERRED TO BY NUMBER AS FOLLOWS: TERMINAL NO. 1 IS THE ODD TERMINAL AND CONNECTED TO THE CASE. OTHER TERMINALS ARE NUMBERED CLOCKWISE FROM NO. 1.
2. 1/4-28 UNF-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER .2268" (5.76 MM) REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28 P1.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION

TO 16





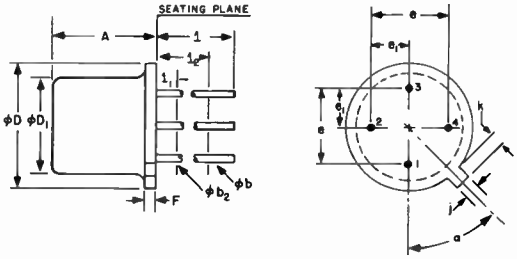
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.190	.210	4.83	5.33	
A	.200	.260	5.08	6.60	
ϕb	.016	.019	.406	.483	2
ϕD	.370 NOMINAL		9.40 NOMINAL		
ϕD_1	.275	.335	6.99	8.51	
1	.500		12.70		
P	.100		2.54		1
Q					3
β	90° NOMINAL				

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. THE SPECIFIED LEAD DIAMETER APPLIES IN THE ZONE BETWEEN .050" (1.27 MM) AND .250" (6.35 MM) FROM THE SEATING PLANE BETWEEN .250" (6.35 MM) AND .500" (12.70 MM) MAXIMUM OF .021" (.533 MM) DIAMETER IS HELD. OUTSIDE OF THESE ZONES THE LEAD DIAMETER IS NOT CONTROLLED.
3. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 17

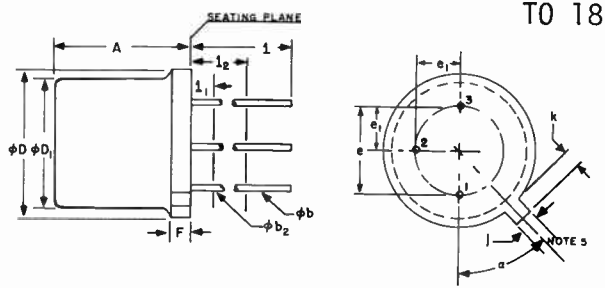


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.165	.210	4.19	5.33	
ϕb	.016	.021	.406	.533	1
ϕb_2	.016	.019	.406	.483	1
ϕD	.185	.215	4.70	5.46	
ϕD_1	.150	.168	3.81	4.27	
e	.071 T.P.		1.80 T.P.		2
e_1	.036 T.P.		.914 T.P.		
F		.030		.762	
j	.030	.045	.762	1.14	
k	.028	.048	.711	1.22	4
l	.500		12.70		1
l_1		.050		1.27	1
l_2	.250		6.35		1
a	45° T.P.				3

NOTES:

1. (FOUR LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
2. LEADS HAVING MAXIMUM DIAMETERS .019" (.483 MM) MEASURED AT A GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO A MAXIMUM-WIDTH TAB AND TO THE .215" (5.46 MM) DIAMETER.
3. TAB CENTERLINE. INDEX TAB FOR VISUAL ORIENTATION ONLY.
4. MEASURED FROM MAXIMUM DIAMETER OF ACTUAL DEVICE.

TO 18

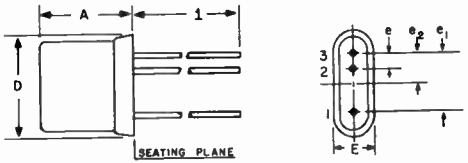


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.170	.210	4.32	5.33	
ϕb	.016	.021	.406	.533	1
ϕb_2	.016	.019	.406	.483	1
ϕD	.209	.230	5.31	5.84	
ϕD_1	.178	.195	4.52	4.95	
e	.100 T.P.		2.54 T.P.		2, 4
e_1	.050 T.P.		1.27 T.P.		2, 4
F		.030		.762	
j	.036	.046	.914	1.17	4
k	.028	.048	.711	1.22	3
l	.500		12.70		1
l_1		.050		1.27	1
l_2	.250		6.35		1
a	45° T.P.				5

NOTES:

1. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
2. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO A MAXIMUM-WIDTH TAB.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. THE DEVICE MAY BE MEASURED BY DIRECT METHODS OR BY THE GAGE AND GAGING PROCEDURE DESCRIBED ON GAGE DRAWING GS-2.
5. TAB CENTERLINE.

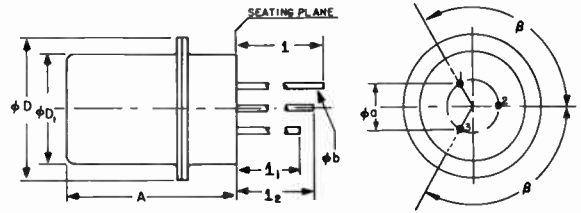
TO 22



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.320		8.13	
D		.340		8.64	
e	.041	.055	1.04	1.40	
e_1	.185	.199	4.70	5.05	
E		.190		4.83	
l	1.500		38.10		
Q	.089	.103	2.26	2.62	

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 23



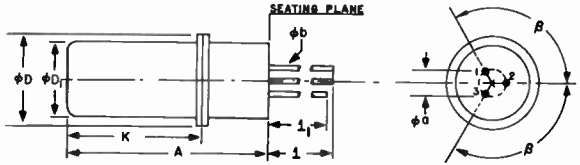
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.052 NOMINAL		1.32 NOMINAL		
A		.180		4.57	
ϕb	.013 NOMINAL		.330 NOMINAL		1
ϕD		.140		3.56	
ϕD_1		.115		2.92	
l	1.615	1.645	41.02	41.78	1
l_1	1.490	1.520	37.85	38.61	1
l_2	1.552	1.582	39.42	40.18	1
β	120° NOMINAL				

NOTES:

1. THREE LEADS.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 24



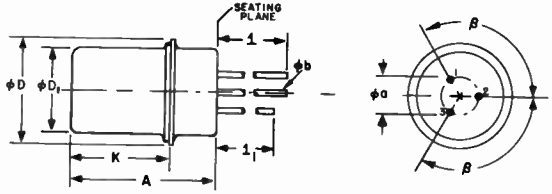
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.070 NOMINAL		1.79 NOMINAL		
A	.425	.475	10.80	12.07	
ϕb	.016 NOMINAL		.406 NOMINAL		1
ϕD	.195	.225	4.95	5.72	
ϕD_1	.161	.179	4.09	4.55	
K	.285	.315	7.24	8.00	
1	1.500	1.687	38.10	42.85	1, 2
1_1	1.450	1.637	36.83	41.58	1, 2
β	120° NOMINAL				

NOTES:

1. THREE LEADS.
2. THE MINIMUM DIFFERENCE BETWEEN 1 AND 1_1 SHALL BE .062" (1.57 MM).

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 25



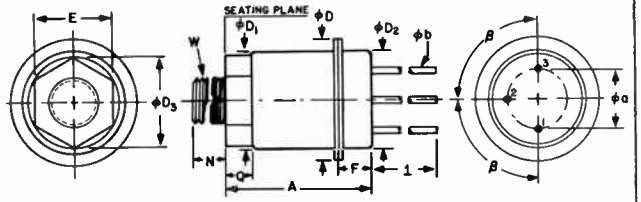
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.156 NOMINAL		3.96 NOMINAL		
A		.470		11.94	
ϕb	.020 NOMINAL		.508 NOMINAL		1
ϕD		.330		8.38	
ϕD_1		.280		7.11	
K		.295		7.49	
1	1.500		38.10		1, 2
1_1	1.438		36.53		1, 2
β	120° NOMINAL				

NOTES:

1. THREE LEADS.
2. THE MINIMUM DIFFERENCE BETWEEN 1 AND 1_1 SHALL BE .062" (1.57 MM).

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 26



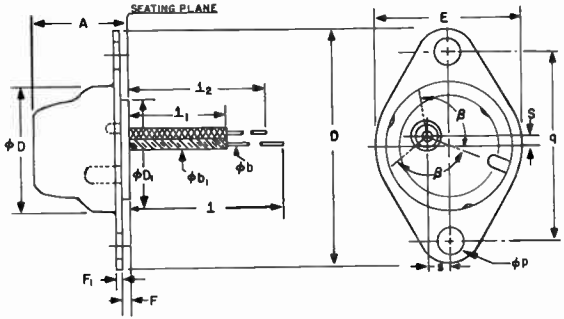
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa		.200		5.08	
A	.480	.510	12.19	12.95	
ϕb	.016	.019	.406	.482	2
ϕD	.360	.370	9.14	9.40	
ϕD_1	.295	.305	7.49	7.75	
ϕD_2	.290	.310	7.37	7.87	
ϕD_3		.289		7.34	
E		.250		6.35	
F	.110	.130	2.79	3.30	
1	1.500	1.688	38.10	42.88	2
N		.375		9.53	
Q	.105	.115	2.67	2.92	
W					1
β	90° NOMINAL				

NOTES:

1. 8-32 UNF-2A.
2. THREE LEADS.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

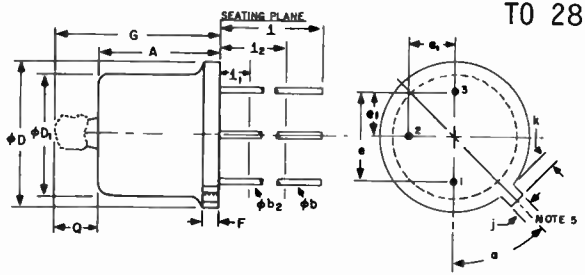
TO 27



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.510		12.95	
ϕb	.016 NOMINAL		.406 NOMINAL		
ϕb_1		.065		1.65	
ϕD		.875		22.23	
ϕD_1		.625		15.88	
D		1.625		41.28	
E		1.125		28.58	
F	.040		1.02		
F_1	.030 NOMINAL		.762 NOMINAL		
1	1.500		38.10		
l_1	.750		19.05		
l_2	1.420		36.07		
ϕp	.156 NOMINAL		3.96 NOMINAL		
q	1.187 NOMINAL		30.15 NOMINAL		
S	.049 NOMINAL		1.24 NOMINAL		
s	.135 NOMINAL		3.43 NOMINAL		
β	120° NOMINAL				

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 28

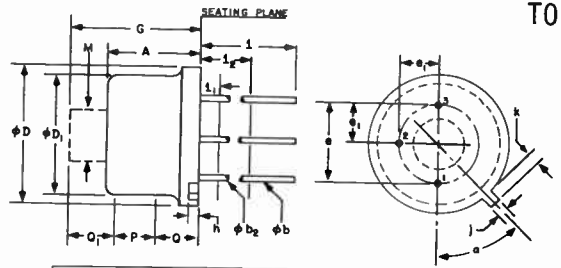


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.170	.210	4.32	5.33	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.209	.230	5.31	5.84	
ϕD_1	.178	.195	4.52	4.95	
e	.100 T.P.		2.54 T.P.		1
e_1	.050 T.P.		1.27 T.P.		1
F		.030		.762	
G		.350		8.89	
j	.036	.046	.914	1.17	1
k	.028	.048	.711	1.22	1, 3
l	1.500		38.10		2
l_1		.050		1.27	2
l_2	.250		6.35		2
Q					4
a	45° T.P.				1, 5

NOTES:

1. MAXIMUM DIAMETER LEADS MEASURED AT POINTS .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO THE MAXIMUM-WIDTH TAB AND MAXIMUM DIAMETER FLANGE.
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF ACTUAL DEVICE.
4. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.
5. TAB CENTERLINE.

TO 29

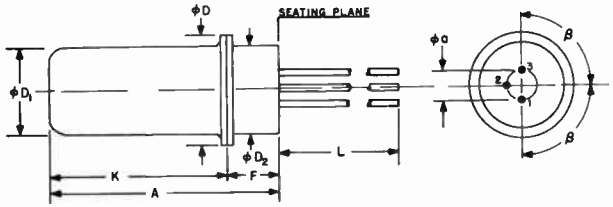


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.200	.260	5.08	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.335	.370	8.51	9.40	
ϕD_1	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
G		.360		9.14	
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	4, 5
k	.029	.045	.737	1.14	3, 4, 5
l	1.500		38.10		
l_1		.050		1.27	
l_2	.250		6.35		
M		.150		3.81	
P	.100		2.54		1
Q					6
Q_1					6
a	45° T.P.				5, 7

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THE ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO A MAXIMUM-WIDTH TAB.
5. THE DEVICE MAY BE MEASURED BY DIRECT METHODS OR BY THE GAGE AND GAGING PROCEDURE DESCRIBED ON GAGE DRAWING GS-1.
6. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.
7. TAB CENTERLINE.

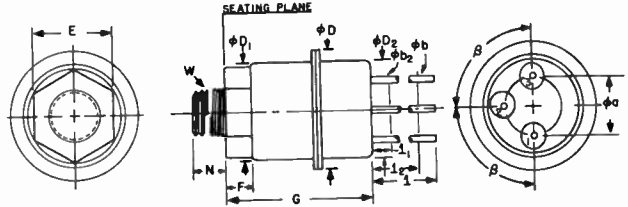
TO 30



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.065	.075	1.65	1.91	
A	.375	.425	9.53	10.80	
ϕD	.195	.225	4.95	5.72	
ϕD_1	.160	.180	4.06	4.57	
ϕD_2	.166	.176	4.22	4.47	
F	.095	.105	2.41	2.67	
K	.285	.315	7.24	8.00	
L	1.500	1.688	38.10	42.88	
β	90° NOMINAL				

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 31



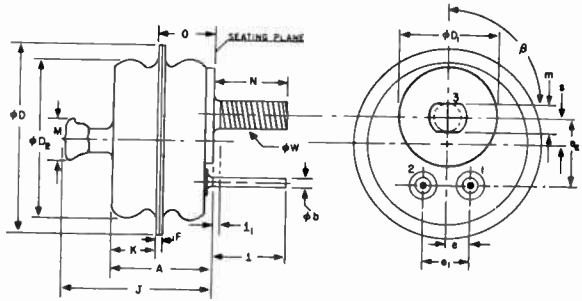
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.360	.390	9.14	9.91	
ϕa	.200 NOMINAL		5.08 NOMINAL		
ϕb		.021		.533	1
ϕb_2	.016	.019	.406	.483	1
ϕD	.360	.370	9.14	9.40	
ϕD_1	.295	.305	7.49	7.75	
ϕD_2	.290	.310	7.37	7.87	
E	.250		6.35		2
F	.105	.115	2.67	2.92	
l	1.500	1.688	38.10	42.88	
l_1		.050		1.27	
l_2	.250		6.35		
N	.375 NOMINAL		9.53 NOMINAL		
W					3
β	90° NOMINAL				

NOTES:

1. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
2. HEX FOR STANDARD 1/4" IGNITION WRENCH.
3. 8-32 UNC-2A.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 32



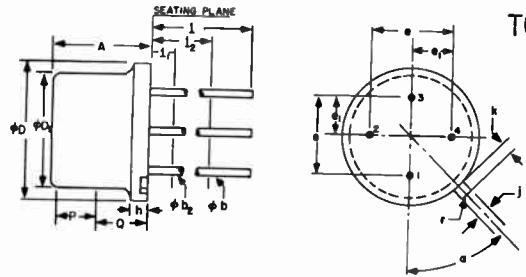
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.475		12.07	
Øb	.029	.033	.737	.838	
ØD		.885		22.48	
ØD1		.455		11.56	
ØD2		.685		17.40	
e	.100 T.P.		2.54 T.P.		1
e1	.200 T.P.		5.08 T.P.		1
e2	.300 T.P.		7.62 T.P.		1
F	.020	.040	.508	1.02	
J		.690		17.53	
K	.165		4.19		
l	.281		7.14		
l1		.015		.381	1, 3
M		.250		6.35	
m	.122	.125	3.10	3.18	
N		.312		7.92	
Q		.310		7.87	
s	.105 T.P.		2.67 T.P.		1
ØW					2
β	88°	92°	88°	92°	

NOTES:

1. MAXIMUM SIZE LEADS AND STUD MUST BE WITHIN .0055" (.152 MM) OF THE EXACT POSITIONS SHOWN WITH RESPECT TO THE .885" (22.48 MM) MAXIMUM DIAMETER MEASURED AT POINTS .015" (.381 MM) MAXIMUM BELOW SEATING PLANE.
2. 190-32 UNF-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER .190" (4.83 MM) REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28 1957 F1.
3. LEAD DIAMETER IN THIS AREA UNRESTRICTED.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 33

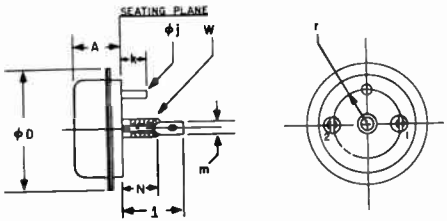


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
Øb	.016	.021	.406	.533	2
Øb2	.016	.019	.406	.483	2
ØD	.335	.370	8.51	9.40	
ØD1	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4, 5
e1	.100 T.P.		2.54 T.P.		4, 5
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	5
k	.029	.045	.737	1.14	3, 5
l	1.500		38.10		2
l1		.050		1.27	2
l2	.250		6.35		2
P	.100		2.54		1
Q					6
r		.007		.178	
a	45° T.P.				4, 5, 7

NOTES:

1. THIS DEVICE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THE ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (FOUR LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO A MAXIMUM-WIDTH TAB.
5. THE DEVICE MAY BE MEASURED BY DIRECT METHODS OR BY THE GAGE AND GAGING PROCEDURE DESCRIBED ON GAGE DRAWING GS-1.
6. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.
7. TAB CENTERLINE.

TO 36



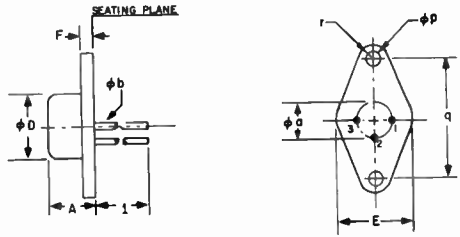
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.520		13.21	
ϕD		1.250		31.75	
ϕj		.140		3.56	
k		.312		7.92	1
l	.610	.710	15.49	18.03	
m		.190		4.83	
N	.375	.500	9.53	12.70	
r	.345 NOMINAL			8.76	
W					2

NOTES:

1. INSULATED LOCATOR PIN.
2. 10-32 UNF-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER .1697" (4.31 MM) REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28 1957 P1.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 37



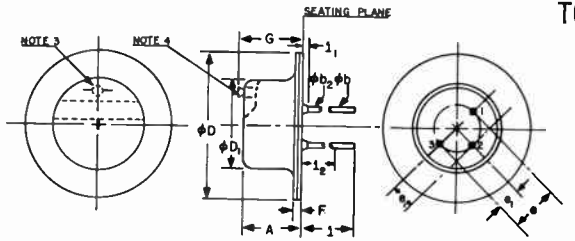
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.200 NOMINAL		5.08 NOMINAL		
A		.260		6.60	
ϕb	.016	.022	.406	.559	1
ϕD		.320		8.13	
E		.390		9.91	
F		.070		1.78	
l	1.500		38.10		1
ϕp	.120	.130	3.05	3.30	3
q	.552	.572	14.02	14.53	
r		.114		2.90	2

NOTES:

1. THREE LEADS.
2. BOTH ENDS.
3. TWO MOUNTING HOLES.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 38



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.330		8.38	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.675	.725	17.15	18.42	
ϕD_1	.470	.500	11.94	12.70	
e	.200 T.P.		5.08 T.P.		1
e_1	.100 T.P.		2.54 T.P.		1
F		.045		1.14	
G		.375		9.53	
1	.625		15.88		2
l_1		.050		1.27	2
l_2	.250		6.35		2

NOTES:

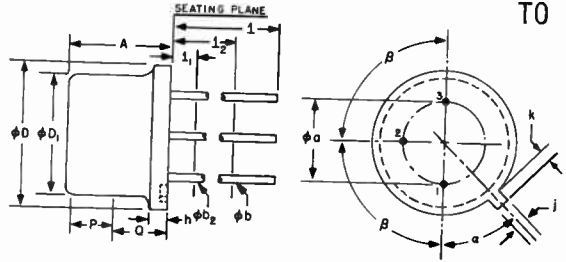
1. MAXIMUM DIAMETER LEADS MEASURED AT A GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE SHALL BE WITHIN .010" (.254 MM) OF THEIR TRUE POSITIONS WITH RESPECT TO THE .725" (18.42 MM) DIAMETER.

   (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .625" (15.88 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED BEYOND .625" (15.88 MM) FROM SEATING PLANE.

   ANGULAR ORIENTATION OF EDGE OPTIONAL.

   DETAILS OF OUTLINE OPTIONAL IN THIS AREA.

TO 39

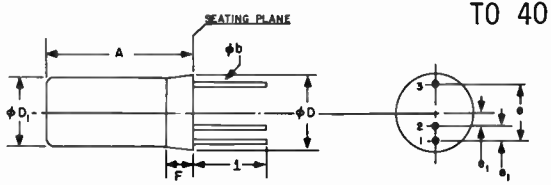


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.190	.210	4.83	5.33	
A	.240	.260	6.10	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.350	.370	8.89	9.40	
ϕD_1	.315	.335	8.00	8.51	
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	
k	.029	.040	.737	1.02	
1	.500		12.70		3
l_1		.050		1.27	2
l_2	.250		6.35		2
P	.100		2.54		2
Q					1
α	45° NOMINAL				4
β	90° NOMINAL				

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.

TO 40

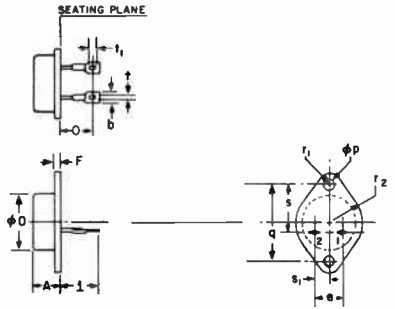


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A		.495		12.57	
ϕb	.016	.019	.406	.483	1
ϕD		.260		6.60	
ϕD_1		.240		6.10	
e	.185	.199	4.70	5.05	
e_1	.041	.055	1.04	1.40	
F		.120		3.05	
1	.172	.202	4.37	5.13	1

NOTES:

1. THREE LEADS.

TO 41



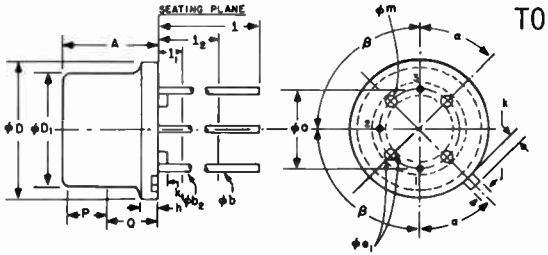
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.250	.450	6.35	11.43	
b	.125	.210	3.18	5.33	1, 2
ϕD		.875		22.23	
e	.420	.440	10.67	11.18	
F		.135		3.43	
1	.560	.680	14.23	17.27	
O	.500	.581	12.70	14.76	
ϕp	.151	.161	3.84	4.09	4
q	1.177	1.197	29.90	30.40	
r_1		.188		4.78	3
r_2		.525		13.34	
s	.655	.675	16.64	17.15	
s_1	.205	.225	5.21	5.72	1
t	.072	.120	1.83	3.05	2
t_1	.072	.170	1.83	4.32	2

NOTES:

1. THESE DIMENSIONS SHOULD BE MEASURED AT POINTS .050" (1.27 MM) TO .055" (1.40 MM) BELOW SEATING PLANE. WHEN GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.
2. SQUARE OR RADIUS ON END OF TERMINAL AND/OR HOLE OPTIONAL.
3. AT BOTH ENDS.
4. TWO HOLES.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 42

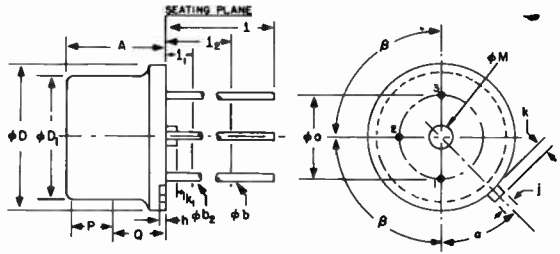


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.190	.210	4.83	5.33	
A	.200	.260	5.08	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.290	.370	7.37	9.40	
ϕD_1	.290	.335	7.37	8.51	
ϕe_1	.020	.250	.508	6.35	4
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	
k	.029		.737		3
k_1	.017	.025	.432	.635	
l	1.500		38.10		2
l_1		.050		1.27	2
l_2	.250		6.35		2
ϕm	.040 NOMINAL		1.02 NOMINAL		
P	.100		2.54		1
Q					5
α	45° NOMINAL				
β	90° NOMINAL				

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. FOUR EQUALLY SPACED FEET TO LIE WITHIN THIS ZONE. MINIMUM DISTANCE BETWEEN A LEAD AND A FOOT .031" (.788 MM).
5. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.
   THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 43

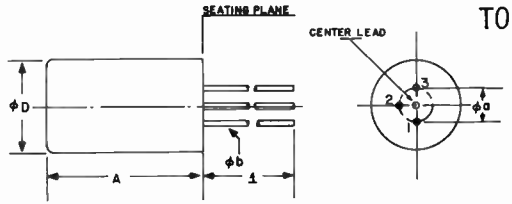


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.190	.210	4.83	5.33	
A	.200	.260	5.08	6.60	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.290	.370	7.37	9.40	
ϕD_1	.290	.335	7.37	8.51	
h	.009	.125	.229	3.18	
j	.028	.034	.711	.864	
k	.029		.737		3
k_1	.017	.075	.432	1.91	
l	1.500		38.10		2
l_1		.050		1.27	2
l_2	.250		6.35		2
ϕM	.050	.100	1.27	2.54	
P	.100		2.54		1
Q					4
α	45° NOMINAL				
β	90° NOMINAL				

NOTES:

1. THIS ZONE CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THIS ZONE SHALL NOT EXCEED .010" (.254 MM).
2. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. DETAILS OF OUTLINE IN THIS ZONE OPTIONAL.
   THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 44



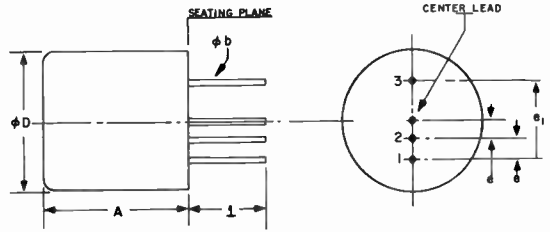
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.064	.080	1.63	2.03	
A		.405		10.29	
ϕb	.016	.019	.406	.483	1
ϕD		.240		6.10	
1	1.500		38.10		

NOTES:

1. FOUR LEADS.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO 45

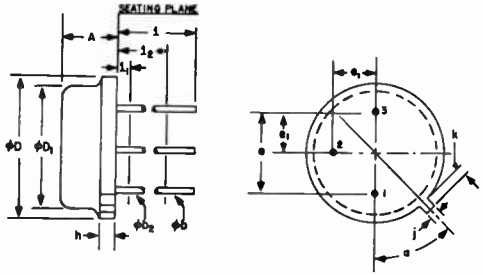


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ϕa	.185	.199	4.70	5.05	
A		.375		9.53	
ϕb	.016	.019	.406	.483	1
ϕD		.360		9.14	
e	.041	.055	1.04	1.40	
e_1	.185	.199	4.70	5.05	
1	.172	.202	4.37	5.13	1

NOTES:

1. FOUR LEADS.

TO 46

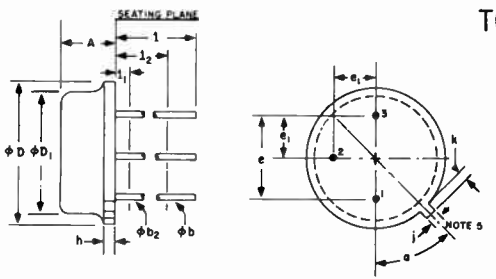


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.065	.085	1.65	2.16	
ϕb	.016	.021	.406	.533	1
ϕb_2	.012	.019	.305	.483	1
ϕD	.209	.230	5.31	5.84	
ϕD_1	.178	.195	4.52	4.95	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		2
h		.040		1.02	
j	.036	.046	.914	1.17	
k	.028	.048	.711	1.22	4
l	.500		12.70		1
l_1		.050		1.27	1
l_2	.250		6.35		1
a	45° T.P.		45° T.P.		3, 5

NOTES:

1. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
2. MAXIMUM DIAMETER LEADS AT A GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW SEATING PLANE TO BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO MAXIMUM-WIDTH TAB AND TO THE MAXIMUM .230" (5.84 MM) DIAMETER MEASURED WITH A SUITABLE GAGE. WHEN GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.
3. INDEX TAB FOR VISUAL ORIENTATION ONLY.
4. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
5. TAB CENTERLINE.

TO 47

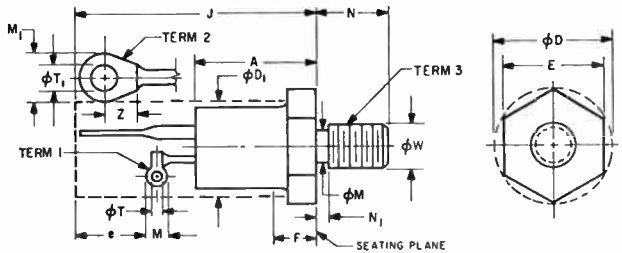


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.065	.085	1.65	2.16	
ϕb	.016	.021	.406	.533	1
ϕb_2	.012	.019	.305	.483	1
ϕD	.240	.270	6.10	6.86	
ϕD_1	.220	.240	5.59	6.10	
e	.141 T.P.		3.58 T.P.		2
e_1	.071 T.P.		1.80 T.P.		2
h		.040		1.02	
j	.015	.025	.381	.635	
k	.015	.025	.381	.635	4
l	.500		12.70		1
l_1		.050		1.27	1
l_2	.250		6.35		1
a	45° T.P.		45° T.P.		3

NOTES:

1. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
2. MAXIMUM DIAMETER LEADS AT A GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE TO BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO MAXIMUM-WIDTH TAB AND TO THE MAXIMUM .270" (6.86 MM) DIAMETER MEASURED WITH A SUITABLE GAGE. WHEN A GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.
3. INDEX TAB FOR VISUAL ORIENTATION ONLY.
4. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
5. TAB CENTERLINE.

TO 48



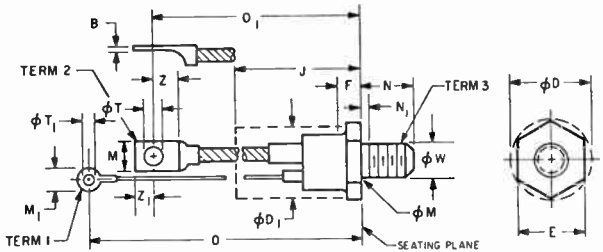
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.330	.505	8.4	12.8	-
ØO	-	.650	-	16.51	-
$ØO_1$	-	.544	-	13.81	5
e	.125	-	3.18	-	4
E	.544	.562	13.82	14.27	-
F	.113	.200	2.88	5.08	3
J	-	1.193	-	30.30	5
ØM	.220	.249	5.59	6.32	6
M	.115	.140	2.93	3.55	1
M_1	.210	.300	5.34	7.62	1
N	.422	.453	10.72	11.50	-
N_1	-	.090	-	2.28	6
ØT	.060	.075	1.53	1.90	-
$ØT_1$	.125	.165	3.18	4.19	-
ØW	.2225	.2268	5.652	5.760	2
Z	.120	-	3.05	-	7

NOTES:

1. CONTOUR & ANGULAR ORIENTATION OF THESE TERMINALS IS OPTIONAL.
2. PITCH DIAMETER OF 1/4-28 UNF-2A (COATED) THREADS (ASA B1.1-1960).
3. A CHAMFER OR UNDERCUT ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
4. MINIMUM DIFFERENCE IN TERMINAL LENGTHS TO ESTABLISH DATUM LINE FOR NUMBERING TERMINALS.
5. THE DEVICE WITH EXCEPTION OF THE HEXAGON AND THREAD LIES WITHIN THE CYLINDER DEFINED BY $ØD_1$ AND LENGTH J.
6. LENGTH OF INCOMPLETE OR UNDERCUT THREAD OF ØM.
7. MINIMUM FLAT.

TO 49



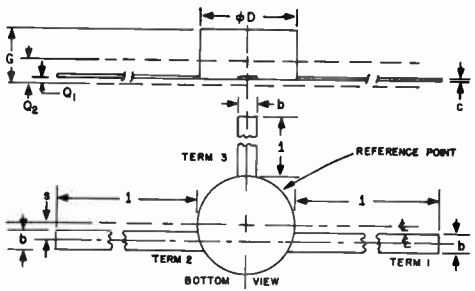
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
B	.055	.110	1.40	2.79	-
ØD	-	1.227	-	31.16	-
$ØD_1$	-	1.031	-	26.18	1
E	1.031	1.063	26.19	27.00	-
F	.170	.500	4.4	12.7	5
J	-	2.500	-	63.50	1,7
M	.437	.650	11.1	16.5	2
M_1	.215	.300	5.47	7.62	2
ØM	.425	.499	10.80	12.67	3
N	.797	.827	20.25	21.00	-
N_1	-	.125	-	3.17	3
O	6.850	7.500	174.0	190.5	-
O_1	5.775	6.265	146.7	159.1	-
ØT	.250	.310	6.35	7.87	-
$ØT_1$	.140	.150	3.56	3.81	-
ØW	.4619	.4675	11.733	11.874	4
Z	.250	-	6.35	-	6
Z_1	-	.325	-	8.25	-

NOTES:

1. THE DEVICE WITH THE EXCEPTION OF THE HEXAGON, THREAD, AND FLEXIBLE LEAD EXTENSIONS LIES WITHIN THE CYLINDER DEFINED BY $ØD_1$ AND LENGTH J.
2. ANGULAR ORIENTATION OF THESE TERMINALS WITH RESPECT TO HEXAGONAL PORTION IS UNDEFINED. SQUARE OR RADIUS ON END OF TERMINALS IS OPTIONAL
3. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM.
4. PITCH DIAMETER OF 1/2-20 UNF-2A (COATED) THREADS (ASA B1.1-1960).
5. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
6. MINIMUM FLAT.
7. SEATED HEIGHT WITH LEAD BENT AT RIGHT ANGLES.

TO 50

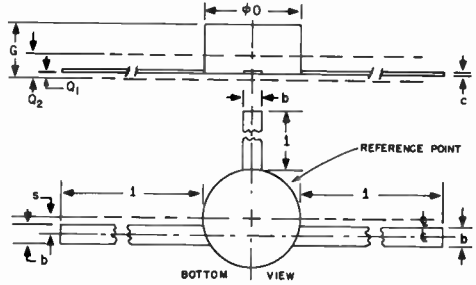


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
b	.015	.028	.381	.711	
c	.003	.005	.076	.127	
ØD	.180	.215	4.57	5.46	2
G	.040	.060	1.02	1.52	
l	.250		6.35		
Q_1		.010		.254	1
Q_2		.025		.635	1
s	.015	.035	.381	.889	1

NOTES:

1. LEADS SHALL EMERGE FROM THE ØD DIMENSION WITHIN THE LIMITS INDICATED BY THE s, Q_1 AND Q_2 DIMENSIONS.
2. MINIMUM AND MAXIMUM DIMENSIONS BOTH APPLY TO THE MAJOR (LARGEST) DIAMETER ONLY.

TO 51

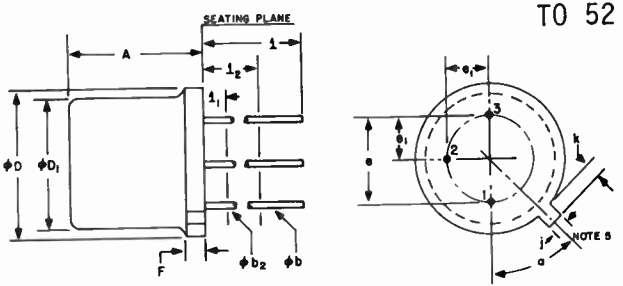


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
b	.015	.028	.381	.711	
c	.003	.005	.076	.127	
ØD	.140	.165	3.56	4.19	2
G	.040	.060	1.02	1.52	
l	.250		6.35		
Q_1		.010		.254	1
Q_2		.025		.635	1
s	.015	.035	.381	.889	1

NOTES:

1. LEADS SHALL EMERGE FROM THE ØD DIMENSION WITHIN THE LIMITS INDICATED BY THE s, Q_1, AND Q_2 DIMENSIONS.
2. MINIMUM AND MAXIMUM DIMENSIONS BOTH APPLY TO THE MAJOR (LARGEST) DIAMETER ONLY.

TO 52

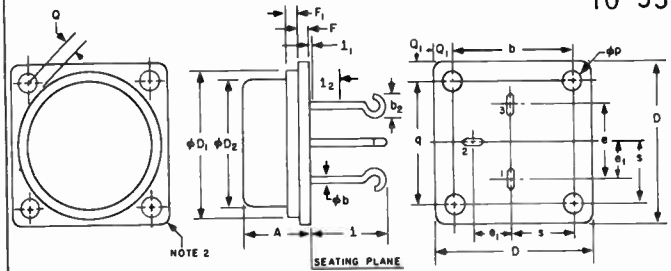


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.115	.150	2.92	3.81	
ϕb		.021		.533	1
ϕb_2	.016	.019	.406	.483	1
ϕD	.209	.230	5.31	5.84	
ϕD_1	.178	.195	4.52	4.95	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		
F		.030		.762	
j	.036	.046	.914	1.17	
k	.028	.048	.711	1.22	3
l	.500		12.70		1
l_1		.050		1.27	1
l_2	.250		6.35		
a	45° T.P.				

NOTES:

1. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
2. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO A MAXIMUM-WIDTH TAB.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. THE DEVICE MAY BE MEASURED BY DIRECT METHODS OR BY THE GAGE AND GAGING PROCEDURE DESCRIBED ON GAGE DRAWING GS-2.
5. TAB CENTERLINE.

TO 53

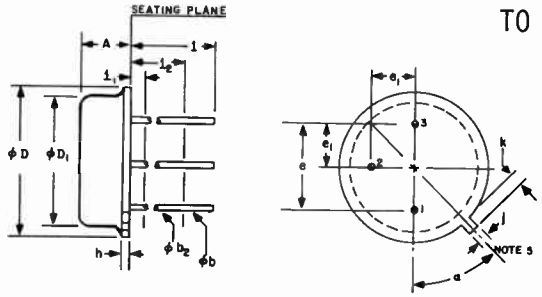


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.305	.355	7.75	9.02	
ϕb	.035	.045	.889	1.14	7
b_2	.130	.150	3.30	3.81	7
D	.850	.870	21.59	22.10	
ϕD_1	.765	.785	19.43	19.94	
ϕD_2	.670	.680	17.02	17.27	
e	.400 T.P.		10.16 T.P.		3, 4
e_1	.200 T.P.		5.08 T.P.		3, 4
F	.040	.055	1.02	1.40	
F_1	.030	.065	.762	1.65	
l	.370	.420	9.40	10.67	7
l_1	.031		.787		1, 7
l_2	.125		3.18		5
ϕp	.096	.106	2.44	2.69	8
q	.670	.690	17.02	17.53	
Q	.075		1.91		6
Q_1	.075	.105	1.91	2.67	
s	.340 T.P.		8.64 T.P.		3, 4

NOTES:

1. LEAD DIAMETER NOT CONTROLLED IN THIS AREA.
2. RADIUS AT CORNERS OF MOUNTING FLANGE OPTIONAL.
3. ANGULAR ORIENTATION OF TERMINAL ENDS AS SHOWN $\pm$ 15°.
4. LEADS HAVING MAXIMUM DIAMETER .045" (1.14 MM) MEASURED IN GAGE PLANE .031" (.787 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .010" (.254 MM) OF THEIR TRUE POSITION RELATIVE TO MINIMUM DIAMETER .096" (2.44 MM) HOLES IN THE MOUNTING FLANGE.
5. THE LEADS SHALL BE ESSENTIALLY STRAIGHT WITHIN THIS ZONE.
6. CLEARANCE FROM HOLE CENTERS TO ϕD_1 FOR MOUNTING FASTENERS.
7. THREE LEADS.
8. FOUR HOLES.

TO 54



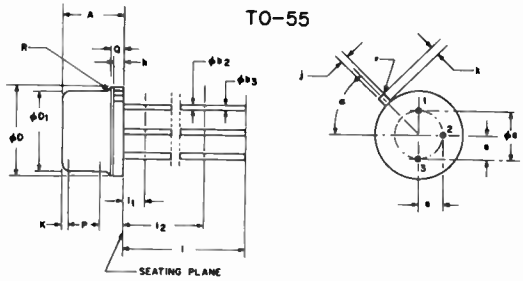
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.050	.060	1.27	1.52	
ϕb	.016	.021	.406	.533	1
ϕb_2	.016	.019	.406	.482	1
ϕD	.209	.230	5.31	5.84	
ϕD_1	.178	.195	4.52	4.95	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		2
h		.040		1.02	
j	.036	.046	.914	1.17	
k	.028	.048	.711	1.22	4
l	.500		12.70		1
l_1		.050		1.27	1
l_2	.250		6.35		1
α	45° T.P.		45° T.P.		3

NOTES:

1. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.
2. MAXIMUM DIAMETER LEADS AT A GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW SEATING PLANE TO BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION (T.P.) RELATIVE TO MAXIMUM-WIDTH TAB AND TO THE MAXIMUM .230" (5.84 MM) DIAMETER MEASURED WITH A SUITABLE GAGE. WHEN A GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.
3. INDEX TAB FOR VISUAL ORIENTATION ONLY.
4. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
5. TAB CENTERLINE.

TO-55

TO 55



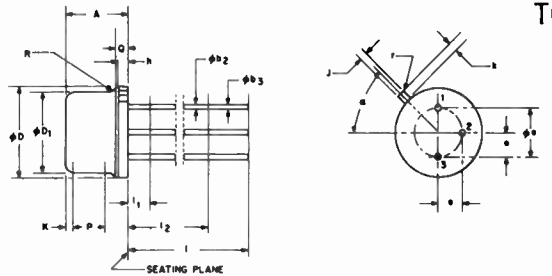
OUTLINE INTENDED FOR AUTOMATIC HANDLING

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	0.242	0.260	6.15	6.60	
ϕa	0.200		5.08		4
ϕb_2	0.016	0.019	0.406	0.483	2
ϕb_3		0.021		0.53	2
ϕD	0.358	0.370	9.09	9.40	6
ϕD_1	0.322	0.335	8.18	8.51	7
e	0.100		2.54		
h	0.009	0.041	0.23	1.04	8
j	0.028	0.034	0.711	0.864	
K	0.010		0.25		
k	0.029	0.045	0.74	1.14	3
l	1.500	1.625	38.1	41.3	2
l_1		0.020		0.51	2
l_2	0.250		6.35		2
P	0.150		3.81		1
Q		0.050		1.27	
R		0.010		0.25	
r		0.007		0.18	
α	45°		45°		5

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THE ZONE SHALL NOT EXCEED 0.010" (0.25 MM).
2. (3 LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb_3 APPLIES BETWEEN l_2 AND 1.5" FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE ACTUAL DEVICE.
4. LEADS HAVING MAXIMUM DIAMETER (0.019", 0.438 MM) MEASURED IN GAGING PLANE 0.054" + 0.001" - 0.000" (1.372 MM + 0.025 MM - 0.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN 0.007" (0.178 MM) OF THEIR TRUE LOCATIONS RELATIVE TO A MAXIMUM WIDTH TAB.
5. TAB CENTERLINE.
6. CONCENTRIC TO ϕa WITHIN 0.006" TOTAL INDICATOR READING. CAP FLANGE SHALL NEVER EXTEND BEYOND HEADER PERIPHERY. 0.005" MAX BURR OR WELD FLASH.
7. CONCENTRIC TO ϕa WITHIN 0.006" TOTAL INDICATOR READING.
8. APPLIES TO THICKNESS OF TAB.

TO 56



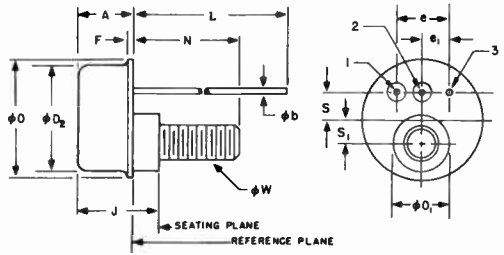
OUTLINE INTENDED FOR AUTOMATIC HANDLING

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	0.170	0.210	4.32	5.33	
ϕ a	0.100		2.54		4
ϕ b_2	0.016	0.019	0.406	0.483	2
ϕ b_3		0.021		0.53	2
ϕ D	0.209	0.230	5.31	5.84	6
ϕ D_1	0.182	0.192	4.62	4.88	7
e	0.050		1.27		
h	0.005	0.015	0.13	0.38	8
j	0.036	0.046	0.91	1.17	
K	0.010		0.25		
k	0.030	0.046	0.76	1.17	3
l	0.500	0.625	12.7	15.9	2
l_1		0.020		0.51	2
l_2	0.250		6.35		2
P	0.125		3.18		1
Q		0.023		0.58	
R		0.010		0.25	
r		0.007		0.18	
a	45°		45°		5

NOTES:

1. THIS ZONE IS CONTROLLED FOR AUTOMATIC HANDLING. THE VARIATION IN ACTUAL DIAMETER WITHIN THE ZONE SHALL NOT EXCEED 0.010" (0.25 MM).
2. (3 LEADS) ϕ b_2 APPLIES BETWEEN l_1 AND l_2. ϕ b_3 APPLIES BETWEEN l_2 AND 0.5" FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 0.5" FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF ACTUAL DEVICE.
4. LEADS HAVING MAXIMUM DIAMETER (0.019", 0.438 MM), MEASURED IN GAGING PLANE 0.054" + 0.001" - 0.000" (1.372 MM + 0.025 MM - 0.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN 0.007" (0.178 MM) OF THEIR TRUE LOCATIONS RELATIVE TO MAXIMUM WIDTH TAB.
5. TAB CENTERLINE.
6. CONCENTRIC TO ϕ a WITHIN 0.006" TOTAL INDICATOR READING. CAP FLANGE SHALL NEVER EXTEND BEYOND HEADER PERIPHERY. 0.005" MAX BURR OR WELD FLASH
7. CONCENTRIC TO ϕ a WITHIN 0.006" TOTAL INDICATOR READING.
8. APPLIES TO THICKNESS OF TAB.

TO 57

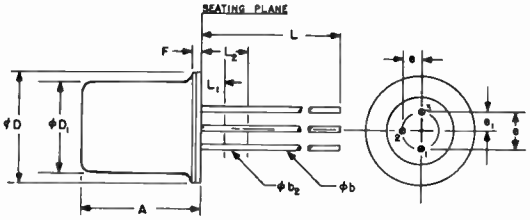


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.195	.215	4.96	5.46	
ϕb	.016	.019	.407	.482	1, 4
ϕD	.440	.460	11.2	11.6	
ϕD_1	.220	.230	5.59	5.84	
ϕD_2	.400	.420	10.2	10.7	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
F		.030		.762	
J	.278	.318	2.11	2.61	
L	1.485	1.525	37.72	38.73	1
N	.380	.410	9.66	10.4	
S	.100 T.P.		2.54 T.P.		4
S_1	.078 T.P.		1.98 T.P.		4
ϕW	.1141	.1177	2.895	2.975	2, 3

NOTES:

1. (THREE LEADS), THE SPECIFIED LEAD DIAMETER APPLIES TO THE ZONE BETWEEN .050" (1.27 MM) AND .250" (6.35 MM) FROM THE REFERENCE PLANE. BETWEEN .250" (6.35 MM) AND END OF LEAD, A MAXIMUM OF .021" (.533 MM) IS HELD. OUTSIDE OF THE ZONES THE LEAD DIAMETER IS NOT CONTROLLED.
2. 6-32NC-2A. MAXIMUM PITCH DIAMETER OF PLATED THREADS SHALL BE BASIC PITCH DIAMETER (.1177", 2.98 MM). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK H28-PART 1.
3. COMPLETE THREADS SHALL EXTEND TO WITHIN THREE THREADS OF THE SEATING PLANE AND SHALL REMAIN WITHIN TOLERANCES TO WITHIN TWO THREADS OF TIP OF STUD.
4. MAXIMUM (.019", .483 MM) DIAMETER LEADS AND MAXIMUM (.230", 5.84 MM) STUD SHOULDER TO BE WITHIN .007" (.178 MM) RADIUS OF TRUE LOCATION RELATIVE TO THE (.460", 11.68 MM) DIAMETER FLANGE AT A GAUGING PLANE .054" (1.37 MM) + .001" (.025 MM), - .000" (.000 MM), FROM THE REFERENCE PLANE.

TO 58

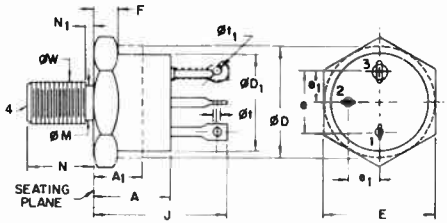


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.320	.350	8.13	8.89	
øb		.021		.533	1
$øb_2$	.016	.019	.406	.483	1
øD	.255	.275	6.48	6.99	
$øD_1$	.225	.240	5.72	6.10	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		2
F	.010	.030	.254	.762	
L	1.500		38.10		1
L_1	.050		1.27		1
L_2		.250		6.35	1

NOTES:

1. (THREE LEADS) $øb_2$ APPLIES BETWEEN L_1 AND L_2. øb APPLIES BETWEEN L_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN L_1.
2. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .001" (.025 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION.

TO 59

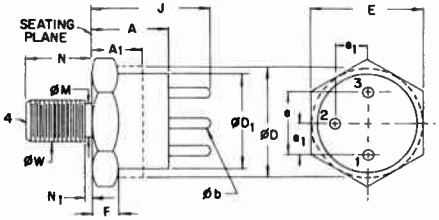


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.320	.468	8.13	11.89	
A_1		.250		6.35	2
øD	.380	.437	9.65	11.10	2
$øD_1$	.318	.380	8.08	9.65	
E	.424	.437	10.77	11.10	
e	.185	.215	4.70	5.46	5
e_1	.090	.110	2.29	2.79	5
F	.090	.150	2.29	3.81	1
J	.570	.763	14.48	19.38	
øM	.163	.189	4.14	4.80	
N	.400	.455	10.16	11.56	
N_1		.078		1.98	
øt	.040	.065	1.02	1.65	
$øt_1$	.045	.070	1.14	1.78	4
øW	.1658	.1697	4.212	4.310	3

NOTES:

1. DIMENSION DOES NOT INCLUDE SEALING FLANGES.
2. PACKAGE CONTOUR OPTIONAL WITHIN DIMENSIONS SPECIFIED.
3. PITCH DIAMETER - THREAD 10-32 UNF-2A (COATED). REFERENCE SCREW THREAD STANDARDS FOR FEDERAL SERVICES - HANDBOOK H-28).
4. THIS TERMINAL CAN BE FLATTENED AND PIERCED OR HOOK TYPE.
5. POSITION OF LEADS IN RELATION TO THE HEXAGON IS NOT CONTROLLED.

TO 60

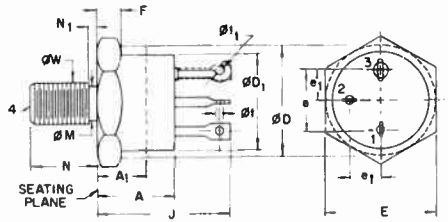


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.215	.320	5.46	8.13	
A_1		.165		4.19	2
Øb	.030	.046	.762	1.17	
ØD	.360	.437	9.14	11.10	2
$ØD_1$	.320	.360	8.13	9.14	
E	.424	.437	10.77	11.10	
e	.185	.215	4.70	5.46	
e_1	.090	.110	2.29	2.79	
F	.090	.135	2.29	3.43	1
J	.355	.480	9.02	12.19	
ØM	.163	.189	4.14	4.80	
N	.375	.455	9.53	11.56	
N_1		.078		1.98	
ØW	.1658	.1697	4.212	4.310	3

NOTES:

1. DIMENSION DOES NOT INCLUDE SEALING FLANGES.
2. PACKAGE CONTOUR OPTIONAL WITHIN DIMENSIONS SPECIFIED.
3. PITCH DIAMETER - THREAD 10-32 UNF-2A (COATED). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES - HANDBOOK H-28).

TO 61

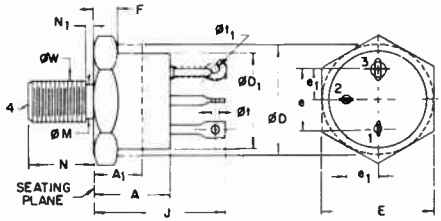


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.325	.460	8.26	11.68	
A_1		.270		6.86	2
ØD	.610	.687	15.49	17.45	2
$ØD_1$	.570	.610	14.48	15.49	
E	.667	.687	16.94	17.45	
e	.340	.415	8.64	10.54	5
e_1	.170	.213	4.32	5.41	5
F	.090	.150	2.29	3.81	1
J	.640	.875	16.26	22.23	
ØM	.220	.249	5.59	6.32	
N	.422	.455	10.72	11.56	
N_1		.090		2.29	
Øt	.047	.072	1.19	1.83	
$Øt_1$	.046	.077	1.17	1.96	4
ØW	.2225	.2268	5.651	5.761	3

NOTES:

1. DIMENSION DOES NOT INCLUDE SEALING FLANGES.
2. PACKAGE CONTOUR OPTIONAL WITHIN DIMENSIONS SPECIFIED.
3. PITCH DIAMETER - THREAD 1/4-28 UNF-2A (COATED). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES - HANDBOOK H-28).
4. THIS TERMINAL CAN BE FLATTENED AND PIERCED OR HOOK TYPE.
5. POSITION OF LEADS IN RELATION TO THE HEXAGON IS NOT CONTROLLED.

TO 62

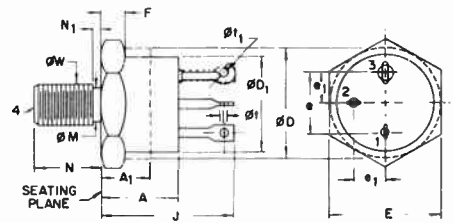


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.360	.434	9.14	11.02	
A_1		.270		6.86	2
ØD	.430	.562	10.92	14.27	2
$ØD_1$	.410	.430	10.41	10.92	
E	.544	.562	13.82	14.27	
e	.235	.265	5.97	6.73	5
e_1	.115	.135	2.92	3.43	5
F	.090	.150	2.29	3.81	1
J	.687	.737	17.45	18.72	
ØM	.163	.189	4.14	4.80	
N	.403	.498	10.24	12.65	
N_1		.078		1.98	
Øt	.042	.071	1.07	1.80	
$Øt_1$	.046	.069	1.17	1.75	4
ØW	.1658	.1697	4.211	4.310	3

NOTES:

1. DIMENSION DOES NOT INCLUDE SEALING FLANGES.
2. PACKAGE CONTOUR OPTIONAL WITHIN DIMENSIONS SPECIFIED.
3. PITCH DIAMETER - THREAD 10-32 UNF-2A (COATED). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES - HANDBOOK H-28).
4. THIS TERMINAL CAN BE FLATTENED AND PIERCED OR HOOK TYPE.
5. POSITION OF LEADS IN RELATION TO THE HEXAGON IS NOT CONTROLLED.

TO 63

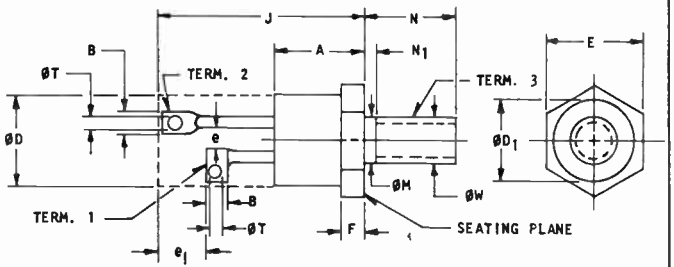


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.480	.535	12.19	13.59	
A_1		.300		7.62	2
ØD	.775	.875	19.69	22.23	2
$ØD_1$	.745	.775	18.92	19.69	
E	.855	.875	21.72	22.23	
e	.485	.515	12.32	13.08	5
e_1	.240	.260	6.10	6.60	5
F	.090	.167	2.29	4.24	1
J	.937	1.030	23.80	26.16	
ØM	.278	.312	7.06	7.92	
N	.460	.495	11.68	12.57	
N_1		.105		2.67	
Øt	.060	.105	1.52	2.67	
$Øt_1$	.060	.105	1.52	2.67	4
ØW	.2806	.2854	7.127	7.249	3

NOTES:

1. DIMENSION DOES NOT INCLUDE SEALING FLANGES.
2. PACKAGE CONTOUR OPTIONAL WITHIN DIMENSIONS SPECIFIED.
3. PITCH DIAMETER - THREAD 5/16-24 UNF-2A (COATED). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES - HANDBOOK H-28).
4. THIS TERMINAL CAN BE FLATTENED AND PIERCED OR HOOK TYPE.
5. POSITION OF LEADS IN RELATION TO THE HEXAGON IS NOT CONTROLLED.

TO 64

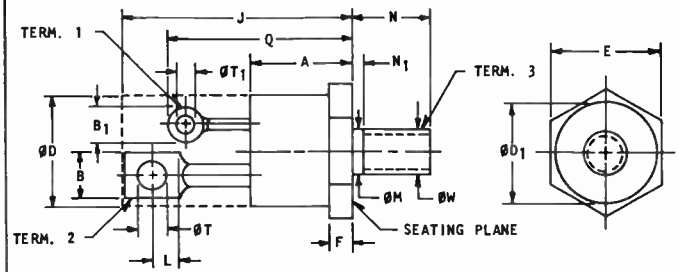


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.300	.400	7.62	10.16	
B	.080	.136	2.03	3.45	1
ØD		.424		10.77	2
$ØD_1$	.400		10.16		3, 4
E	.424	.437	10.77	11.10	
e	.013		.330		7
e_1	.060		1.52		5
F	.060	.175	1.52	4.45	4
J	.700	.955	17.78	21.72	2
ØM	.163	.189	4.14	4.80	
N	.400	.453	10.16	11.51	
N_1		.078		1.98	
ØT	.040	.075	1.02	1.91	
ØW	.1658	.1697	4.212	4.310	6

NOTES:

1. CONTOUR AND ORIENTATION OF FIXED TERMINAL LUGS ARE OPTIONAL.
2. THE OUTLINE CONTOUR (WITH EXCEPTION OF HEXAGON) IS OPTIONAL WITHIN ZONE DEFINED BY ØD AND J.
3. MINIMUM DIAMETER OF SEATING PLANE.
4. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
5. MINIMUM DIFFERENCE IN TERMINAL LENGTHS TO ESTABLISH DATUM LINE FOR NUMBERING TERMINALS.
6. PITCH DIAMETER - THREAD 10-32 NF-2A (COATED). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK 1957 H28.
7. MINIMUM SPACING BETWEEN TERMINALS.

TO 65

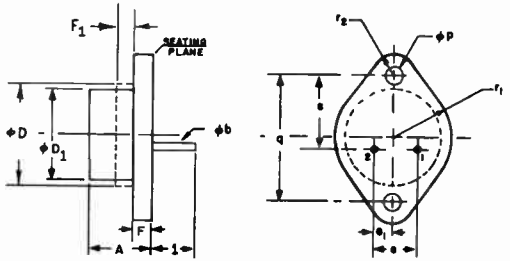


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.300	.565	7.62	14.35	
B	.200	.300	5.08	7.62	1
B_1	.100	.140	2.54	3.56	1
ØD		.667		16.94	2
$ØD_1$	.600		15.24		3, 4
E	.667	.687	16.94	17.45	
F	.113	.200	2.87	5.08	4
J	1.000	1.250	25.40	31.75	2
L	.120		3.05		6
ØM	.220	.249	5.59	6.32	
N	.422	.453	10.72	11.51	
N_1		.090		2.29	
Q	.700	.885	17.78	22.48	
ØT	.125	.165	3.18	4.19	
$ØT_1$	.055	.075	1.40	1.91	
ØW	.2225	.2268	5.652	5.760	5

NOTES:

1. CONTOUR AND ORIENTATION OF FIXED TERMINAL LUGS ARE OPTIONAL.
2. THE OUTLINE CONTOUR (WITH EXCEPTION OF HEXAGON) IS OPTIONAL WITHIN ZONE DEFINED BY ØD AND J.
3. MINIMUM DIAMETER OF SEATING PLANE.
4. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
5. PITCH DIAMETER - THREAD 1/4-28 UNF-2A (COATED). REFERENCE (SCREW THREAD STANDARDS FOR FEDERAL SERVICES 1957) HANDBOOK 1957 H28.
6. MINIMUM FLAT.

TO 66

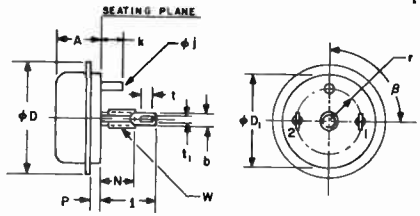


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.250	.340	6.35	8.64	
øb	.028	.034	.711	.863	
øD		.620		15.75	
$øD_1$	.470	.500	11.94	12.70	
e	.190	.210	4.83	5.33	
e_1	.093	.107	2.36	2.72	
F	.050	.075	1.27	1.91	2
F_1		.050		1.27	1
l	.360		9.14		
øp	.142	.152	3.61	3.86	
q	.958	.962	24.33	24.43	
r_1		.350		8.89	
r_2		.145		3.68	
s	.570	.590	14.48	14.99	

NOTES:

1. THE OUTLINE CONTOUR IS OPTIONAL WITHIN ZONE DEFINED BY ØD AND F_1.
2. DIMENSION DOES NOT INCLUDE SEALING FLANGES.

TO 67

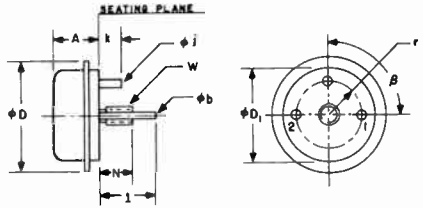


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.275	.500	6.99	12.70	
b	.100	.185	2.54	4.70	
øD		1.250		31.75	
$øD_1$	.990	1.010	25.15	25.65	1
øj	.090	.140	2.29	3.56	4
k	.100	.312	2.54	7.92	4
l	.610	.710	15.49	18.03	
N	.375	.500	9.53	12.70	
P	.050		1.27		
r	.335	.355	8.51	9.02	1
t	.120	.145	3.05	3.68	
t_1	.070	.120	1.78	3.05	
W	.1658	.1697	4.212	4.310	2, 3
β	85°	95°	85°	95°	1

NOTES:

1. MEASURED AT SEATING PLANE.
2. COMPLETE THREADS TO EXTEND TO WITHIN 3-1/2 THREADS OF SEATING PLANE.
3. PITCH DIAMETER OF 10-32 NF-2A (CDATED) THREADS. (ASA B1.1-1960)
4. MECHANICAL INDEX.

TO 68

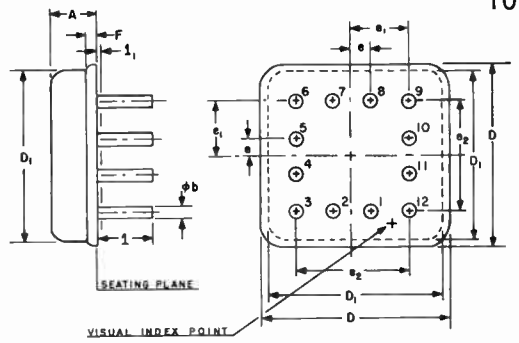


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.275	.500	6.99	12.70	
ϕb	.040	.095	1.02	2.41	
ØD		1.250		31.75	
$ØD_1$	.990		25.15		1
$ϕ_j$	.090	.140	2.29	3.56	4
k	.100	.312	2.54	7.92	4
l	.610	.710	15.49	18.03	
N	.375	.500	9.53	12.70	
r	.335	.355	8.51	9.02	1
W	.1658	.1697	4.212	4.310	2, 3
β	85°	95°	85°	95°	1

NOTES:

1. MEASURED AT SEATING PLANE.
2. COMPLETE THREADS TO EXTEND TO WITHIN 3-1/2 THREADS OF SEATING PLANE.
3. PITCH DIAMETER OF 10-32 NF-2A (COATED) THREADS. (ASA B1.1-1960)
4. MECHANICAL INDEX.

TO 69

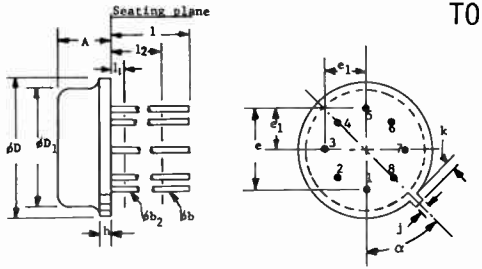


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.075	.085	1.905	2.159	
ϕb	.016	.019	.406	.483	2
D	.295	.305	7.49	7.75	
D_1	.275	.285	6.99	7.24	
e	.033 T.P.		.838 T.P.		1
e_1	.098 T.P.		2.49 T.P.		1
e_2	.195 T.P.		4.95 T.P.		1
F	.030	.050	.762	1.270	
l	.070		1.78		
l_1		.025		.635	2

NOTES:

1. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .025" (.635 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS.
2. LEAD THICKNESS UNCONTROLLED IN THIS ZONE.

TO 70



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.065	.085	1.65	2.16	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.240	.270	6.10	6.86	
ϕD_1	.205	.240	5.21	6.10	
e	.141 T.P.		3.58 T.P.		4
e_1	.071 T.P.		1.80 T.P.		4
h		.040		1.02	
j	.015	.025	.381	.635	
k	.015	.025	.381	.635	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1 (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.

2. (ALL LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.

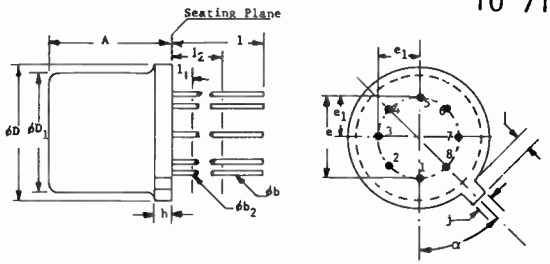
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.

4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.

5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.

6. TAB CENTERLINE.

TO 71



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.170	.210	4.32	5.33	
ϕb	.016	.021	.406	.533	2
ϕb_2	.016	.019	.406	.483	2
ϕD	.209	.230	5.31	5.84	
ϕD_1	.175	.195	4.45	4.95	
e	.100 T.P.		2.54 T.P.		4
e_1	.050 T.P.		1.27 T.P.		4
h		.030		.762	
j	.036	.046	.914	1.17	
k	.028	.048	.711	1.22	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.

2. (ALL LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.

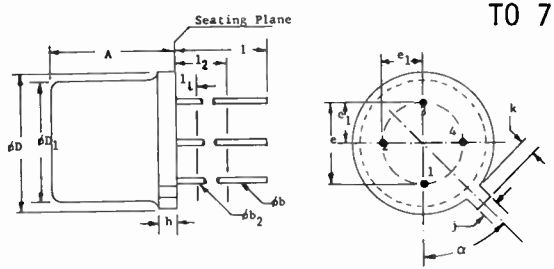
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.

4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.

5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.

6. TAB CENTERLINE.

TO 72

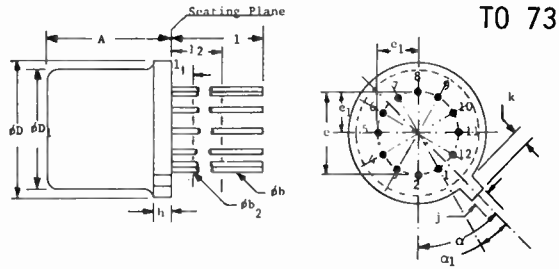


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.170	.210	4.32	5.33	
øb	.016	.021	.406	.533	2
$øb_2$	.016	.019	.406	.483	2
øD	.209	.230	5.31	5.84	
$øD_1$	.178	.195	4.52	4.95	
e	.100 T.P.		2.54 T.P.		4
e_1	.050 T.P.		1.27 T.P.		4
h		.030		.762	
j	.036	.046	.914	1.17	
k	.028	.048	.711	1.22	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (FOUR LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "NONE" (0), THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR OR LINEAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $øb_2$ APPLIES BETWEEN l_1 AND l_2. øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 73

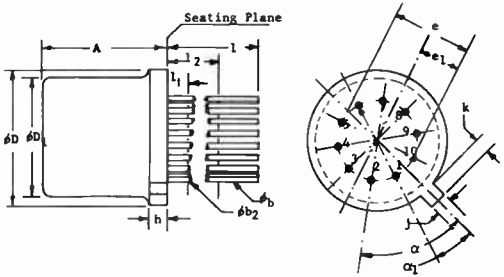


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
øb	.016	.021	.406	.533	2
$øb_2$	.016	.019	.406	.483	2
øD	.335	.370	8.51	9.40	
$øD_1$	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6
$α_1$	15° T.P.		15° T.P.		4, 6

NOTES:

1. (TWELVE LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $øb_2$ APPLIES BETWEEN l_1 AND l_2. øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 74

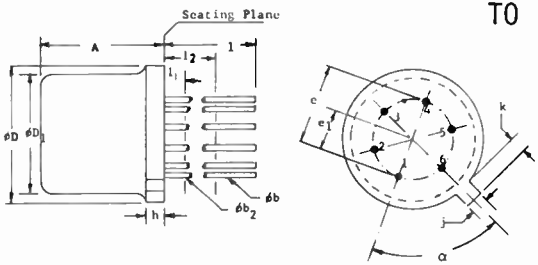


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
øb	.016	.021	.406	.533	2
$øb_2$	.016	.019	.406	.483	2
øD	.335	.370	8.51	9.40	
$øD_1$	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	54° T.P.		54° T.P.		4, 6
$α_1$	18° T.P.		18° T.P.		4, 6

NOTES:

1. (TEN LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $øb_2$ APPLIES BETWEEN l_1 AND l_2. øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 75

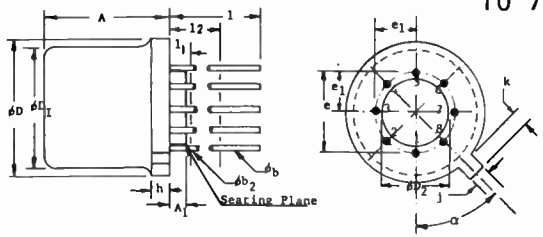


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
øb	.016	.021	.406	.533	2
$øb_2$	.016	.019	.406	.483	2
øD	.335	.370	8.51	9.40	
$øD_1$	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	60° T.P.		60° T.P.		4, 6

NOTES:

1. (SIX LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $øb_2$ APPLIES BETWEEN l_1 AND l_2. øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 76

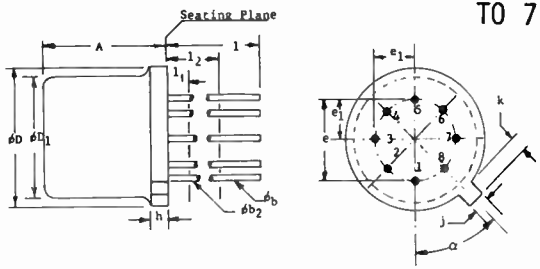


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
A_1	.010	.040	.254	1.02	
øb	.016	.021	.406	.533	2
$øb_2$	.016	.019	.406	.483	2
øD	.335	.370	8.51	9.40	
$øD_1$	.305	.335	7.75	8.51	
$øD_2$	.140	.160	3.56	4.06	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $øb_2$ APPLIES BETWEEN l_1 AND l_2. øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 77

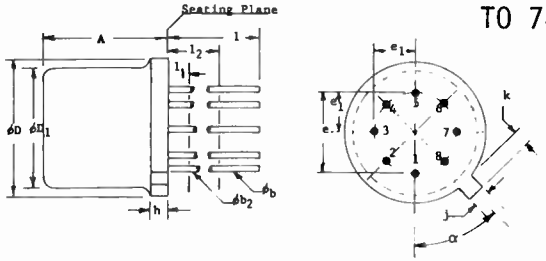


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
øb	.016	.021	.406	.533	2
$øb_2$	.016	.019	.406	.483	2
øD	.335	.370	8.51	9.40	
$øD_1$	.305	.335	7.75	8.51	
c	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR OR LINEAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $øb_2$ APPLIES BETWEEN l_1 AND l_2. øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 78

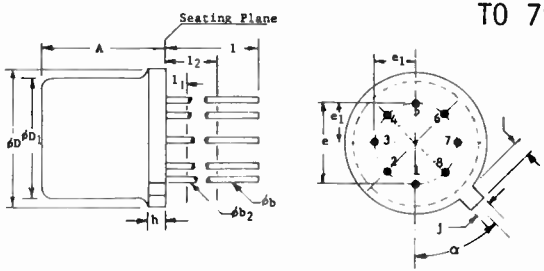


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.165	.185	4.19	4.70	
øb	.016	.021	.406	.533	2
$øb_2$	.016	.019	.406	.483	2
øD	.335	.370	8.51	9.40	
$øD_1$	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $øb_2$ APPLIES BETWEEN l_1 AND l_2. øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 79

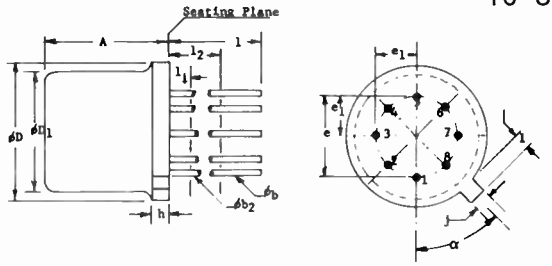


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.140	.160	3.56	4.06	
øb	.016	.021	.406	.533	2
$øb_2$	.016	.019	.406	.483	2
øD	.335	.370	8.51	9.40	
$øD_1$	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $øb_2$ APPLIES BETWEEN l_1 AND l_2. øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 80

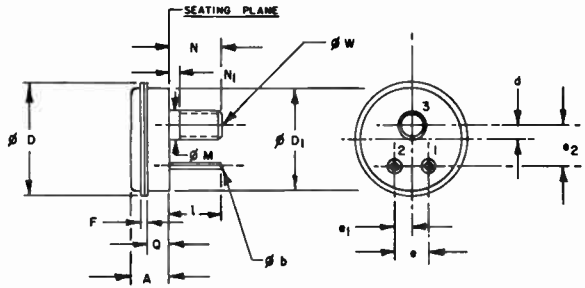


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.085	.105	2.16	2.67	2
øb	.016	.021	.406	.533	2
$øb_2$	.016	.019	.406	.483	
øD	.335	.370	8.51	9.40	
$øD_1$	.305	.335	7.75	8.51	
e	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	45° T.P.		45° T.P.		4, 6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $øb_2$ APPLIES BETWEEN l_1 AND l_2. øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 81

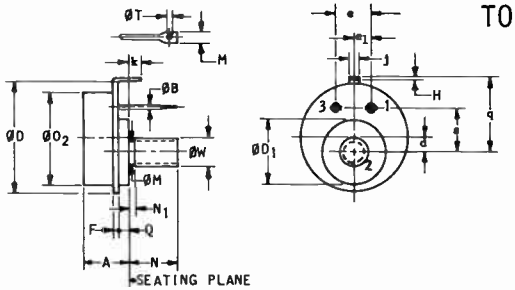


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.380	.415	9.78	10.54	
øb	.055	.071	1.40	1.80	
øD	1.230	1.300	31.25	33.02	
$øD_1$	1.125	1.135	28.68	28.93	1
d	.151	.161	3.84	4.08	1
e	.370	.382	9.40	9.71	1
e_1	.182	.192	4.63	4.87	1
e_2	.435	.450	11.05	11.44	1
F		.065		1.65	
l	.500		12.70		
øM	.278	.312	7.07	7.92	
N	.545	.575	13.85	14.60	
N_1		.107		2.71	3
Q	.227	.243	5.77	6.17	
øW	.2806	.2854	7.13	7.24	2

NOTES:

1. MEASURED AT SEATING PLANE.
2. PITCH DIAMETER OF 5/16-24 UNF-2A (COATED) THREAD (ASA B1.1-1960).
3. LENGTH OF INCOMPLETE OR UNDERCUT THREADS.

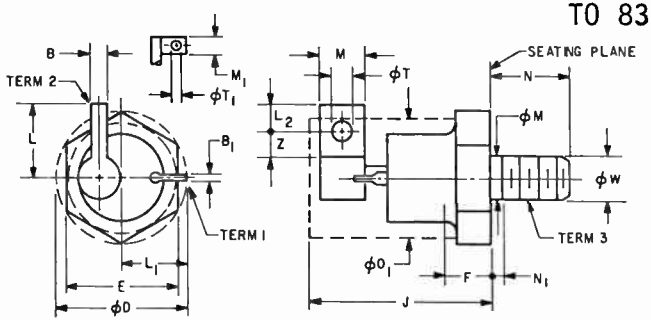
TO 82



SYM.	INCHES		MILLIMETERS		NOTES
	MIN.	MAX.	MIN.	MAX.	
A	.500	.560	12.70	14.22	
ØB	.045	.060	1.15	1.52	5
d	.140	.170	3.56	4.31	
ØD	1.240	1.280	31.50	32.51	
$ØD_1$	.730	.770	18.55	19.55	
$ØD_2$	—	1.125	—	28.57	
e	.360	.400	9.15	10.16	
e1	.180	.200	4.58	5.08	
F	.035	.060	.89	1.52	
k	.130	.190	3.31	4.82	
j	.140	.170	3.56	4.31	
H	.014	.025	.36	.60	
M	.090	.110	2.29	2.79	1
ØM	.278	.312	7.07	7.92	
N	.550	.580	13.97	14.73	
N_1	—	.107	—	2.71	2
q	.810	.850	20.58	21.59	
Q	.110	.140	2.80	3.55	5
s	.480	.520	12.20	13.20	1
ØT	.050	.070	1.27	1.77	4
ØW	.2806	.2854	7.128	7.249	3

NOTES-
1-CONTOUR AND ORIENTATION OF TERMINAL FLATS ARE UNDEFINED.
2-LENGTH OF INCOMPLETE OR UNDERCUT THREADS.
3-PITCH DIA. OF 5/16-24 UNF-2A (COATED) THREADS (ASA 81.1).
4-DIA. OF HOLE OR WIDTH OF SLOT OUT EITHER SIDE OF TERMINALS.
5-LEAD DIAMETER UNCONTROLLED ABOVE THE SEATING PLANE.

TO 83

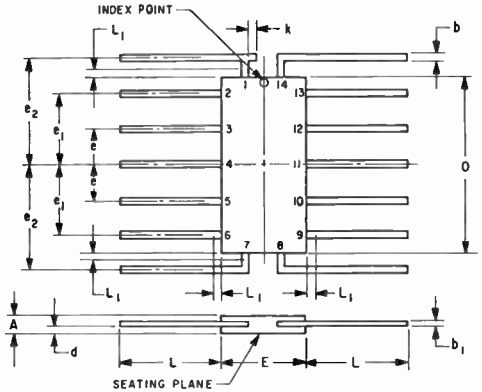


MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN.	MAX.	MIN.	MAX.	
B	.060	.115	1.53	2.92	1
B_1	.012	.050	.31	1.27	1
ØD	-	1.227	-	31.16	-
$ØD_1$	-	1.031	-	26.18	2
E	1.031	1.063	26.19	27.00	-
F	.170	.500	4.4	12.7	3
J	-	1.810	-	45.97	2
L	-	.650	-	16.51	2
L_1	-	.575	-	14.60	2
L_2	.180	-	4.58	-	-
M	.360	.470	9.2	11.9	1
M_1	.115	.160	2.93	4.06	1
ØM	.425	.499	10.80	12.67	4
N	.797	.827	20.25	21.00	-
N_1	-	.125	-	3.17	4
ØT	.180	.260	4.58	6.60	-
$ØT_1$	.060	.080	1.53	2.03	-
ØW	.4619	.4675	11.733	11.874	5
Z	.180	-	4.58	-	6

NOTES:
1. CONTOUR AND ORIENTATION OF FIXED TERMINAL LUGS ARE UNDEFINED.
2. THE BODY AND TERMINALS OF THE DEVICE, WITH THE EXCEPTION OF THE EXTENDED LUG LENGTH L AND L1, LIES WITHIN THE CYLINDER DEFINED BY $ØD_1$ AND LENGTH J.
3. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF THE HEXAGONAL PORTIONS IS OPTIONAL.
4. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM.
5. PITCH DIA. OF 1/2-20 UNF -2A (COATED) THREADS (ASA 81.1-1960).
6. MINIMUM FLAT.

TO 84



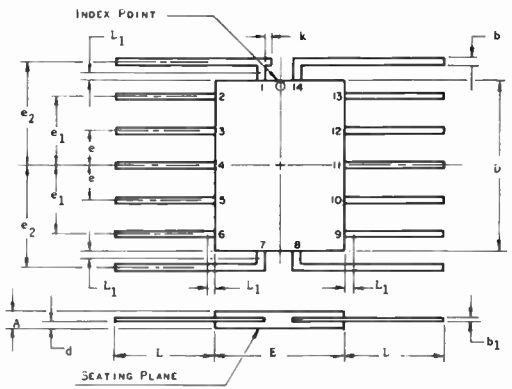
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.030	.070	.77	1.77	-
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.240	.260	6.10	6.60	-
d	.005	.035	.13	.88	-
E	.135	.155	3.43	3.93	4
e	.045	.055	1.15	1.39	2,4
e_1	.095	.105	2.42	2.66	2,4
e_2	.145	.155	3.69	3.93	2,3,4
k	-	.015	-	.38	5
L	.070	-	1.78	-	-
L_1	-	.015	-	.38	1

NOTES:

1. LEAD DIMENSIONS UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.
2. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL ALSO BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS.
3. SPACING AND ANGLE OF THE END LEADS AT THE POINT OF EMERGENCE OF BODY IS NOT CONTROLLED.
4. LEAD SPACING SHALL BE MEASURED WITHIN .030" (.762 MM) FROM THE POINT OF EMERGENCE FROM THE BODY OR, AS IN THE CASE OF END LEAD, FROM THE POINT WHERE THE EXTENSION OF THE BODY OUTLINE INTERSECTS THE END LEADS.
5. MECHANICAL INDEX, OPTIONAL.

TO 85

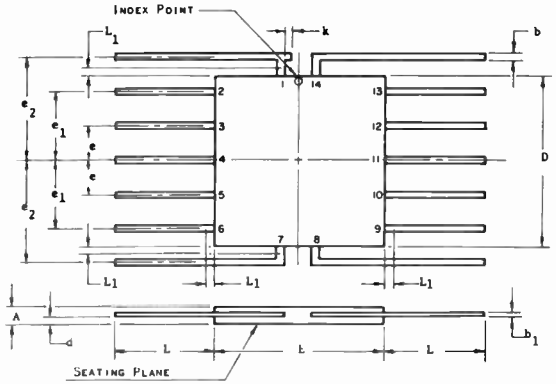


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTE
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.240	.275	6.10	6.98	
d	.005	.035	.127	.889	
E	.160	.185	4.07	4.69	4
e	.045	.055	1.15	1.39	2,4
e_1	.095	.105	2.42	2.66	2,4
e_2	.145	.155	3.69	3.93	2,3,4
k	-	.015	-	.381	5
L	.070	-	1.78	-	
L_1	-	.015	-	.381	1

NOTES:

1. LEAD DIMENSIONS UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.
2. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL ALSO BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS.
3. SPACING AND ANGLE OF THE END LEADS AT THE POINT OF EMERGENCE OF BODY IS NOT CONTROLLED.
4. LEAD SPACING SHALL BE MEASURED WITHIN .030 (.762 MM) FROM THE POINT OF EMERGENCE FROM THE BODY OR, AS IN THE CASE OF END LEAD, FROM THE POINT WHERE THE EXTENSION OF THE BODY OUTLINE INTERSECTS THE END LEADS.
5. MECHANICAL INDEX, OPTIONAL

TO 86

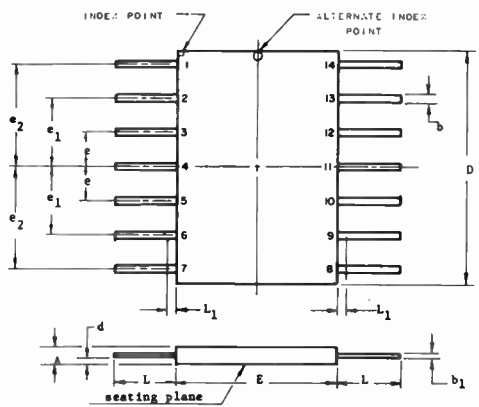


SYMBOL	INCHES		MILLIMETERS		NOTE
	MIN.	MAX.	MIN.	MAX.	
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.240	.275	6.10	6.98	
d	.005	.035	.127	.889	
E	.240	.260	6.10	6.60	4
e	.045	.055	1.15	1.39	2,4
e_1	.095	.105	2.42	2.66	2,4
e_2	.145	.155	3.69	3.93	2,3,4
k	-	.015	-	.381	5
L	.070	-	1.78	-	
L_1	-	.015	-	.381	1

NOTES:

1. LEAD DIMENSIONS UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.
2. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL ALSO BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS.
3. SPACING AND ANGLE OF THE END LEADS AT THE POINT OF EMERGENCE OF BODY IS NOT CONTROLLED.
4. LEAD SPACING SHALL BE MEASURED WITHIN .030 (.762 MM) FROM THE POINT OF EMERGENCE FROM THE BODY OR, AS IN THE CASE OF END LEAD, FROM THE POINT WHERE THE EXTENSION OF THE BODY OUTLINE INTERSECTS THE END LEADS.
5. MECHANICAL INDEX, OPTIONAL

TO 87

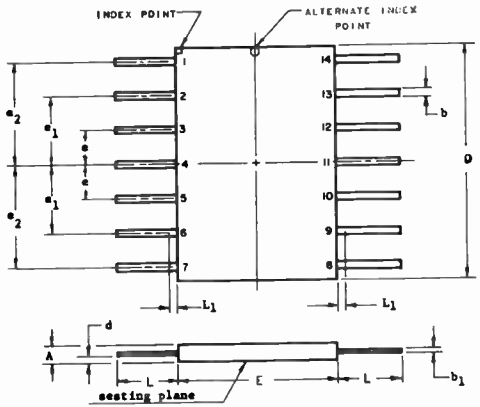


SYMBOL	INCHES		MILLIMETERS		NOTE
	MIN	MAX	MIN	MAX	
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.360	.410	9.15	10.41	
d	.005	.035	.127	.889	
E	.240	.275	6.10	6.98	
e	.045	.055	1.15	1.39	2,3
e_1	.095	.105	2.42	2.66	2,3
e_2	.145	.155	3.69	3.93	2,3
L	.070	-	1.78	-	
L_1	-	.015	-	.381	1

NOTES:

1. LEAD DIMENSIONS UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.
2. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL ALSO BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS.
3. LEAD SPACING SHALL BE MEASURED WITHIN .030 (.762 MM) FROM THE POINT OF EMERGENCE FROM THE BODY.

TO 88

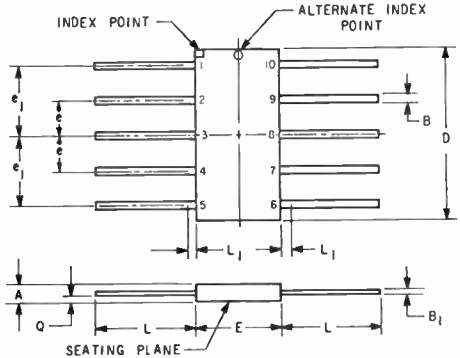


SYMBOL	INCHES		MILLIMETERS		NOTE
	MIN	MAX	MIN	MAX	
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.330	.350	8.38	8.89	
d	.005	.035	.127	.889	
E	.240	.260	6.10	6.60	
e	.045	.055	1.15	1.39	2,3
e_1	.095	.105	2.42	2.66	2,3
e_2	.145	.155	3.69	3.93	2,3
L	.070	-	1.78	-	
L_1	-	.015		.381	1

NOTES:

1. Lead Dimensions uncontrolled in this zone to allow for body and lead finish irregularities.
2. Leads missing from their designated positions shall also be counted when numbering leads for specific applications.
3. Lead spacing shall be measured within .030 (.762 mm) from the point of emergence from the body.

TO 89



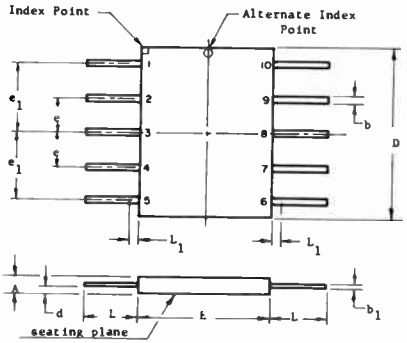
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN.	MAX.	MIN.	MAX.	
A	.030	.070	.77	1.77	-
B	.010	.019	.254	.482	1
B_1	.003	.006	.077	.152	1
D	.240	.290	6.10	7.36	-
E	.135	.155	3.43	3.93	-
e	.045	.055	1.15	1.39	2,3
e_1	.095	.105	2.42	2.66	2,3
L	.070	-	1.78	-	-
L_1	-	.015	-	.381	1
Q	.005	.035	.127	.889	-

NOTES:

1. LEAD DIMENSIONS UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY FLASH AND LEAD FINISH BUILD-UP.
2. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS.
3. LEAD SPACING SHALL BE MEASURED WITHIN .030 (.762 MM) FROM THE POINT OF EMERGENCE FROM THE BODY.

TO 90

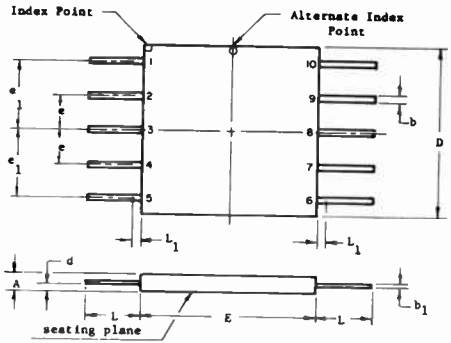


SYMBOL	INCHES		MILLIMETERS		NOTE
	MIN	MAX	MIN	MAX	
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.240	.290	6.10	7.36	
d	.005	.035	.127	.889	
E	.160	.185	4.07	4.69	
e	.045	.055	1.15	1.39	2,3
e_1	.095	.105	2.42	2.66	2,3
L	.070	-	1.78	-	
L_1	-	.015	-	.381	1

NOTES:

1. Lead Dimensions uncontrolled in this zone to allow for body and lead finish irregularities.
2. Leads missing from their designated positions shall also be counted when numbering leads for specific applications.
3. Lead spacing shall be measured within .030 (.762 mm) from the point of emergence from the body.

TO 91

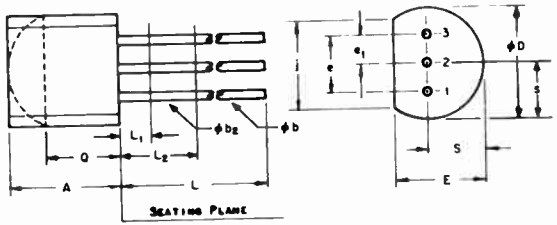


SYMBOL	INCHES		MILLIMETERS		NOTE
	MIN	MAX	MIN	MAX	
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	1
b_1	.003	.006	.077	.152	1
D	.240	.290	6.10	7.36	
d	.005	.035	.127	.889	
E	.240	.260	6.10	6.60	
e	.045	.055	1.15	1.39	2,3
e_1	.095	.105	2.42	2.66	2,3
L	.070	-	1.78	-	
L_1	-	.015	-	.381	1

NOTES:

1. Lead Dimensions uncontrolled in this zone to allow for body and lead finish irregularities.
2. Leads missing from their designated positions shall also be counted when numbering leads for specific applications.
3. Lead spacing shall be measured within .030 (.762 mm) from the point of emergence from the body.

TO 92

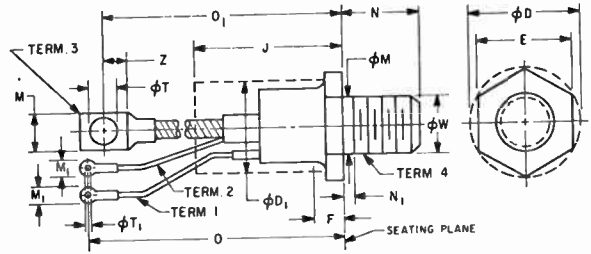


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.170	.210	4.58	5.33	
øb	.016	.021	.407	.533	1, 3
$øb_2$	.016	.019	.407	.482	3
øD	.175	.205	4.96	5.20	
E	.125	.165	3.94	4.19	
e	.095	.105	2.42	2.66	
e_1	.045	.055	1.15	1.39	
j	.135		3.43		
L	.500		12.70		1, 3
L_1		.050		1.27	3
L_2	.250		6.35		3
Q	.115		2.93		2
S	.080	.105	2.42	2.66	

NOTES:

1. THREE LEADS
2. CONTOUR OF THE PACKAGE BEYOND THIS ZONE IS UNCONTROLLED.
3. (THREE LEADS) $øb_2$ APPLIES BETWEEN L_1 AND L_2. øb APPLIES BETWEEN L_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN L_1 AND BEYOND .5" (12.70 MM) FROM SEATING PLANE.

TO 93



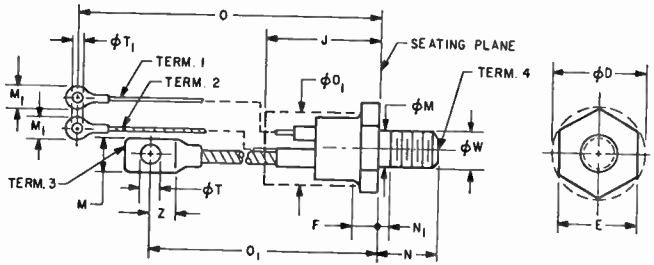
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
øO	-	1.443	-	36.65	-
$øD_1$	-	1.212	-	30.78	1
E	1.212	1.250	30.79	31.75	-
F	.230	1.000	5.9	25.4	5
J	-	3.625	-	92.07	1,7
M	.530	.755	13.5	19.1	2
øM	.660	.749	16.77	19.02	3
M_1	.215	.300	5.47	7.62	2,8
N	1.047	1.077	26.60	27.35	-
N_1	-	.156	-	3.96	3
O	7.350	8.100	186.7	205.7	-
O_1	7.350	8.100	186.7	205.7	-
øT	.260	.350	6.61	8.89	-
$øT_1$	.140	.155	3.56	3.93	-
øW	.7029	.7094	17.854	18.018	4
Z	.340	-	8.64	-	6

NOTES:

1. THE BODY OF THE DEVICE WITH EXCEPTION OF THE HEXAGON, THREAD, AND FLEXIBLE LEAD EXTENSIONS LIES WITHIN $øO_1$ AND LENGTH J.
2. ANGULAR ORIENTATION OF THESE TERMINALS WITH RESPECT TO HEXAGON PORTION IS UNDEFINED. SQUARE OR RADIUS ON END OF TERMINALS IS OPTIONAL.
3. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF øM.
4. PITCH DIAMETER OF 3/4-16UNF-2A (COATED) THREADS (ASA B1.1-1960).
5. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGON PORTION IS OPTIONAL.
6. MINIMUM FLAT.
7. SEATED HEIGHT WITH LEAD BENT AT RIGHT ANGLES.
8. FLEXIBLE LEADS FOR TERMINALS 1 AND 2 ARE IDENTIFIED BY COLOR CODING FOR SPECIFIC APPLICATIONS.

TO 94



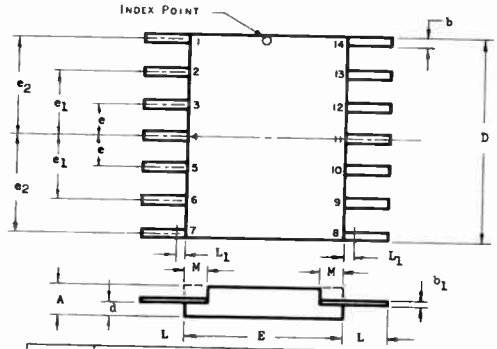
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ØO	-	1.227	-	31.16	-
$ØO_1$	-	1.031	-	26.18	1
E	1.031	1.063	26.19	27.00	-
F	.170	.500	4.4	12.7	5
J	-	2.500	-	63.50	1, 7
M	.437	.650	11.1	16.5	2
ØM	.425	.499	10.80	12.67	3
M_1	.215	.300	5.49	7.62	2, 8
N	.797	.827	20.25	21.00	-
N_1	-	.125	-	3.17	3
O	6.850	7.500	174.0	190.5	-
O_1	5.775	6.265	146.7	159.1	-
ØT	.260	.310	6.61	7.87	-
$ØT_1$	.140	.150	3.56	3.81	-
ØW	.4619	.4675	11.733	11.874	4
Z	.250	-	6.35	-	6

NOTES:

1. THE DEVICE WITH THE EXCEPTION OF THE HEXAGON, THREAD, AND FLEXIBLE LEAD EXTENSION LIES WITHIN THE CYLINDER DEFINED BY $ØO_1$ AND LENGTH J.
2. ANGULAR ORIENTATION OF THESE TERMINALS WITH RESPECT TO HEXAGONAL PORTION IS UNDEFINED. SQUARE OR RADIUS ON END OF TERMINALS IS OPTIONAL
3. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM.
4. PITCH DIAMETER OF 1/2-20 UNF-2A (COATED) THREADS (ASA B1.1-1960).
5. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
6. MINIMUM FLAT.
7. SEATED HEIGHT WITH LEADS BENT AT RIGHT ANGLES.
8. FLEXIBLE LEADS FOR TERM 1 AND 2 ARE IDENTIFIED BY COLOR CODING FOR SPECIFIC APPLICATIONS.

TO 95

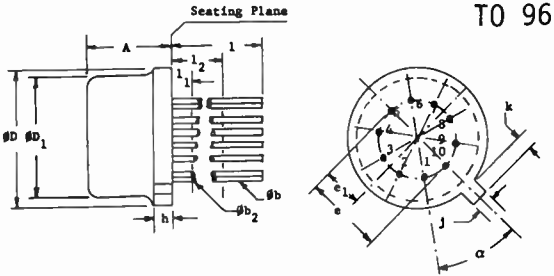


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.030	.070	.762	1.77	
b	.010	.019	.254	.482	
b_1	.003	.006	.077	.152	
D	.308	.329	7.83	8.35	
d	.005	.035	.127	.889	
E	.240	.260	6.10	6.60	
e	.045	.055	1.15	1.39	2, 3
e_1	.095	.105	2.42	2.66	2, 3
e_2	.145	.155	3.69	3.93	2, 3
L	.070		1.78		
L_1		.015		.381	1
M		.040		1.01	4

NOTES:

1. LEAD DIMENSION UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.
2. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL ALSO BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS.
3. LEAD SPACING SHALL BE MEASURED WITHIN .030" (.762 MM) FROM THE POINT OF EMERGENCE FROM THE BODY.
4. IRREGULARITY IN BODY OUTLINE NOT CONTROLLED IN THIS ZONE.

TO 96

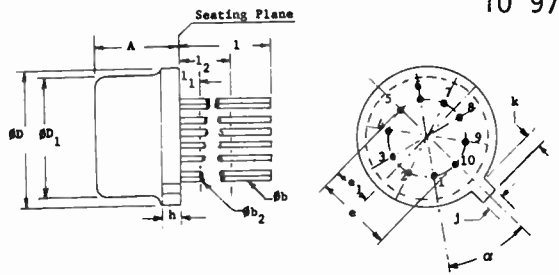


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.240	.260	6.10	6.60	
øb	.016	.021	.406	.533	2
$øb_2$	.016	.019	.406	.483	2
øD	.335	.370	8.51	9.40	
$øD_1$	.305	.335	7.75	8.51	
e_1	.230 T.P.		5.84 T.P.		4
e	.115 T.P.		2.92 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		7.62		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	36° T.P.		36° T.P.		4,6

NOTES:

1. (TEN LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $øb_2$ APPLIES BETWEEN l_1 and l_2. øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 97

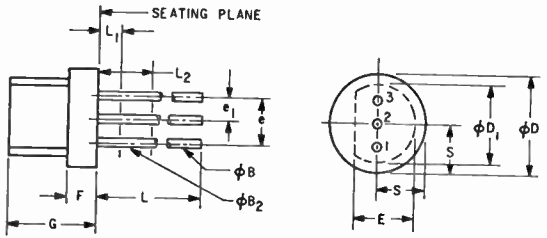


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.140	.160	3.56	4.06	
øb	.016	.021	.406	.533	2
$øb_2$	.016	.019	.406	.483	2
øD	.335	.370	8.51	9.40	
$øD_1$	.305	.335	7.75	8.51	
e_1	.230 T.P.		5.84 T.P.		4
e	.115 T.P.		2.92 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		7.62		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	36° T.P.		36° T.P.		4,6

NOTES:

1. (TEN LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $øb_2$ APPLIES BETWEEN l_1 AND l_2. øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM SEATING PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 98



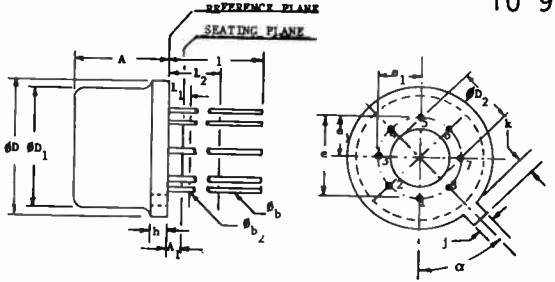
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ØD	.195	.205	4.96	5.20	-
$ØD_1$	.165	.190	4.20	4.82	-
ØB	.016	.021	.407	.533	1
$ØB_2$	.016	.019	.407	.482	-
E	.110	.140	2.80	3.55	-
e	.095	.105	2.42	2.66	-
e_1	.045	.055	1.15	1.39	-
F	.055	.075	1.40	1.90	-
G	.200	.265	5.08	6.73	-
L	.500	-	12.70	-	1
L_1	-	.050	-	1.27	1
L_2	.250	-	6.35	-	1
S	.090	.105	2.28	2.66	-

NOTES:

1. (THREE LEADS) $ØB_2$ APPLIES BETWEEN L_1 AND L_2. ØB APPLIES BETWEEN L_2 AND .5" (12.70 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN L_1 AND BEYOND .5" (12.70MM) FROM SEATING PLANE.

TO 99

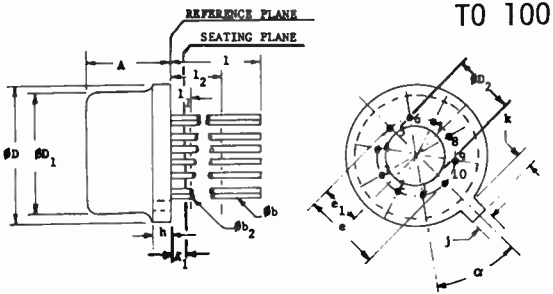


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.165	.185	4.19	4.70	
A_1	.010	.040	.254	1.02	
$Øb_1$	.016	.021	.406	.533	2
$Øb_2$	.016	.019	.406	.483	2
ØD	.335	.370	8.51	9.40	
$ØD_1$	.305	.335	7.75	8.51	
$ØD_2$	.140	.160	3.56	4.06	
e_2	.200 T.P.		5.08 T.P.		4
e_1	.100 T.P.		2.54 T.P.		4
h_1		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l_1	.500		12.70		2
l_{11}		.050		1.27	2
α	.250 45° T.P.		6.35 45° T.P.		2,6

NOTES:

1. (EIGHT LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "THREE" (3). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 and l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM REFERENCE PLANE. DIAMETER IS UNCONTROLLED IN l_1 and BEYOND .500" (12.70 MM) FROM REFERENCE PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE REFERENCE PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 100

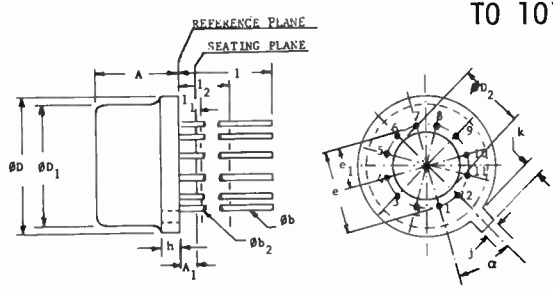


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.165	.185	4.19	4.70	
A_1	.010	.040	.254	1.02	
Øb	.016	.021	.406	.533	2
$Øb_2$	.016	.019	.406	.483	2
ØD	.335	.370	8.51	9.40	
$ØD_1$	.305	.335	7.75	8.51	
$ØD_2$	.140	.160	3.56	4.06	
e	.230 T.P.		5.84 T.P.		4
e_1	.115 T.P.		2.92 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1		.050		1.27	2
l_2	.250		6.35		2
α	36° T.P.		36° T.P.		4,6

NOTES:

1. (TEN LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 and .500" (12.70 MM) FROM REFERENCE PLANE. DIAMETER IS UNCONTROLLED IN l_1 and BEYOND .500" (12.70 MM) FROM REFERENCE PLANE.
3. MEASURED FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE REFERENCE PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 101

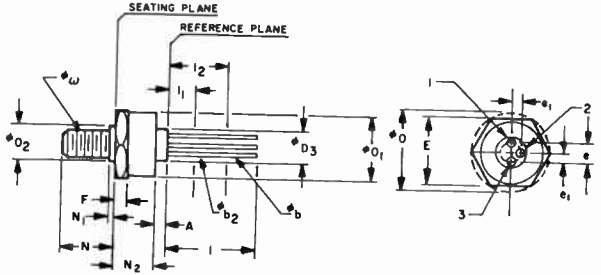


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.165	.185	4.19	4.70	
A_1	.010	.040	.254	1.02	
Øb	.016	.021	.406	.533	2
Øb2	.016	.019	.406	.483	2
ØD	.335	.370	8.51	9.40	
$ØD_1$	.305	.335	7.75	8.51	
$ØD_2^1$	.140	.160	3.56	4.06	
e	.230 T.P.		5.84 T.P.		4
e_1	.115 T.P.		2.92 T.P.		4
h		.040		1.02	
j	.028	.034	.711	.864	
k	.029	.045	.737	1.14	3
l	.500		12.70		2
l_1^1		.050		1.27	2
l_2^1	.250		6.35		2
α	30° T.P.		30° T.P.		4,6

NOTES:

1. (TWELVE LEADS). MAXIMUM NUMBER OF LEADS OMITTED IN THIS OUTLINE, "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION. OUTLINE DESIGNATION DETERMINED BY THE LOCATION AND MINIMUM ANGULAR SPACING OF ANY TWO ADJACENT LEADS.
2. (ALL LEADS) $Øb_2$ APPLIES BETWEEN l_1 AND l_2. Øb APPLIES BETWEEN l_2 AND .500" (12.70 MM) FROM REFERENCE PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM REFERENCE PLANE.
3. MEASUREO FROM MAXIMUM DIAMETER OF THE PRODUCT.
4. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM)MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000MM) BELOW THE REFERENCE PLANE OF THE PRODUCT SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITION RELATIVE TO A MAXIMUM WIDTH TAB.
5. THE PRODUCT MAY BE MEASURED BY DIRECT METHODS OR BY GAGE.
6. TAB CENTERLINE.

TO 102

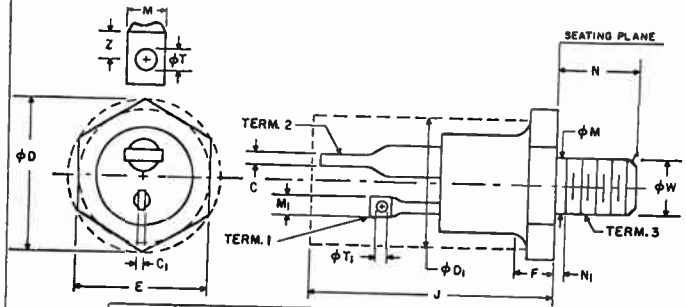


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.045	.060	1.14	1.52	
ϕb	.016	.021	.406	.533	1
ϕb_2	.016	.019	.406	.483	1
ϕD	.413	.433	10.49	11.00	
ϕD_1	.350	.360	8.89	9.14	
ϕD_2	.175	.190	4.45	4.83	
ϕD_3	.162	.169	4.11	4.29	
E	.362	.375	9.19	9.53	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		2
F	.065	.070	1.65	1.78	3
1	.500		12.70		
l_1		.050		1.27	
l_2	.250		6.35		
N	.265	.292	6.73	7.42	
N_1	.020	.035	.508	.889	
N_2	.210	.225	5.33	5.72	
ϕW	.1141	.1177	2.898	2.990	4

NOTES:

1. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND .500" (12.70 MM) FROM REFERENCE PLANE.
2. LEADS HAVING MAXIMUM DIAMETER .019" (.483 MM) MEASURED IN GAGING PLANE .054" (1.37 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE REFERENCE PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS.
3. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
4. PITCH DIAMETER OF 6-32 UNC-2A (COATED) THREADS. (ASA B1.1-1960).

TO 103

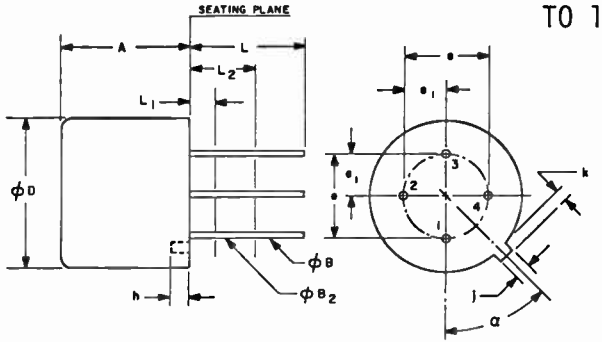


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
C	.065	.100	1.66	2.54	1,7
C_1	.025	.075	.64	1.90	1,7
ϕD	-	.866	-	21.99	
ϕD_1	-	.728	-	18.49	2
E	.728	.750	18.50	19.05	
F	.125	.205	3.18	5.20	3
J	1.200	1.560	30.48	39.62	2
M	.220	.375	5.59	9.52	1,7
M_1	.125	.187	3.18	4.75	1,7
ϕM	.280	.310	7.12	7.87	
N	.485	.515	12.32	13.08	
N_1	-	.100	-	2.54	4
ϕT	.140	.155	3.56	3.93	
ϕT_1	.050	.070	1.27	1.77	
ϕW	.2806	.2854	7.127	7.249	5
Z	.140	-	3.56	-	6

NOTES:

1. CONTOUR AND ANGULAR ORIENTATION OF FIXED TERMINAL LUGS ARE UNDEFINED.
2. THE BODY AND TERMINALS OF THE DEVICE LIE WITHIN THE CYLINDER DEFINED BY ϕD_1 AND LENGTH J.
3. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF THE HEXAGONAL PORTION IS OPTIONAL.
4. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ϕM
5. PITCH DIAMETER OF 5/16-24 UNF-2A (COATED) THREADS (ASA B1.1-1960)
6. MINIMUM FLAT.
7. POSITION OF TERMINALS 1 AND 2 IN RELATION TO HEXAGON IS NOT CONTROLLED.

TO 104

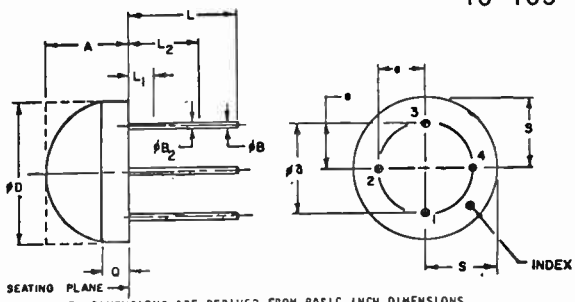


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.170	.210	4.32	5.33	
øB	.016	.021	.407	.533	2
$øB_2$	.016	.019	.407	.482	2
øD	.220	.240	5.59	6.10	
e	.100 T.P.		2.54 T.P.		1, 3
e_1	.050 T.P.		1.27 T.P.		1, 3
h	-	.030	-	.76	
j	.036	.046	.92	1.16	
k	.028	.048	.72	1.21	4
L	.500	-	12.70	-	2
L_1	-	.050	-	1.27	2
L_2	.250		6.35	-	2
α	45° T.P.		—		

NOTES:
1. MAXIMUM NUMBER OF LEADS THAT MAY BE OMITTED IN THIS OUTLINE: "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION.
2. $øB_2$ APPLIES BETWEEN L_1 AND L_2. øB APPLIES BETWEEN L_2 AND L. DIAMETER IS NOT CONTROLLED IN L_1.
3. LEADS HAVING MAXIMUM DIAMETER .019 "(.482MM) MEASURED IN GAGING PLANE .054" (1.372MM)+.001" (.025MM)-.000 "(.000MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.177MM) OF THEIR TRUE POSITIONS RELATIVE TO A MAXIMUM WIDTH TAB.
4. MEASURED FROM ACTUAL MAXIMUM DIAMETER OF øD.

TO 105

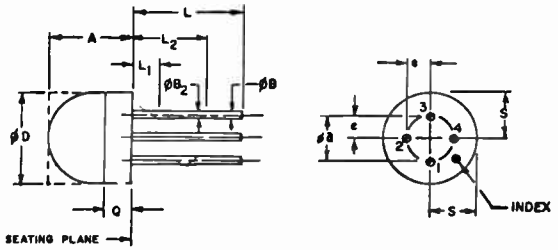


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.120	.240	3.1	6.0	
ø e	.190	.210	4.83	5.33	
ø B	.016	.021	.407	.533	1, 2
ø B_2	.016	.019	.407	.482	1, 2
ø D	.305	.325	7.75	8.25	
e	.090	.110	2.29	2.79	
L	.500	--	12.70	--	1, 2
L_1	--	.050	--	1.27	1, 2
L_2	.250	--	6.35	--	1, 2
Q	.060	--	1.53	--	3
S	.145	.165	3.69	4.19	

NOTES:
1. MAXIMUM NUMBER OF LEADS THAT MAY BE OMITTED IN THIS OUTLINE: "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION.
2. $øB_2$ APPLIES BETWEEN L_1 and L_2. øB APPLIES BETWEEN L_2 and L. DIAMETER IS NOT CONTROLLED IN L_1.
3. CONTOUR OF PACKAGE BEYOND THIS ZONE IS OPTIONAL, BUT MUST BE WITHIN øD AND A.
4. VISUAL OR MECHANICAL INDEX IS OPTIONAL IF ONE LEAD IS OMITTED.

TO 106

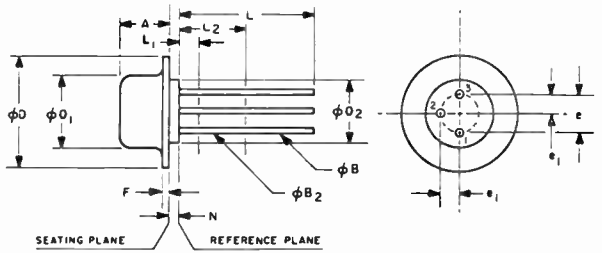


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN.	MAX.	MIN.	MAX.	
A	.120	.240	3.1	6.0	
ϕa	.095	.105	2.42	2.66	
ϕB	.016	.021	.407	.533	1, 2
ϕB_2	.016	.019	.407	.482	1, 2
ϕD	.192	.222	4.88	5.63	
e	.045	.055	1.15	1.39	
L	.500	--	12.70	--	1, 2
L_1	--	.050	--	1.27	1, 2
L_2	.250	--	6.35	--	1, 2
Q	.060	--	1.53	--	3
S	.090	.115	2.29	2.92	

NOTES:
1. MAXIMUM NUMBER OF LEADS THAT MAY BE OMITTED IN THIS OUTLINE: "ONE" (1). THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION.
2. ϕB_2 APPLIES BETWEEN L_1 and L_2. ϕB APPLIES BETWEEN L_2 and L. DIAMETER IS NOT CONTROLLED IN L_1.
3. CONTOUR OF PACKAGE BEYOND THIS ZONE IS OPTIONAL, BUT MUST BE WITHIN ϕD AND A.
4. VISUAL OR MECHANICAL INDEX IS OPTIONAL IF ONE LEAD IS OMITTED

TO 107

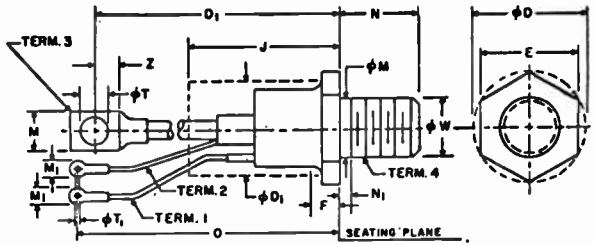


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN.	MAX.	MIN.	MAX.	
A	.135	.135	2.67	3.42	
ϕB	.016	.021	.407	.533	1
ϕE_2	.016	.019	.407	.482	1
ϕD	.320	.350	8.13	8.89	
ϕD_1	.200	.215	5.08	5.46	
ϕD_2	.160	.170	4.07	4.32	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		2
F	-	.030	-	.76	
N	.045	.060	1.15	1.52	
L	.500	-	12.70	-	1
L_1	-	.050	-	1.27	1
L_2	.250	-	6.35	-	1

NOTES:
1. ϕB_2 APPLIES BETWEEN L_1 AND L_2. ϕB APPLIES BETWEEN L_2 AND L. DIAMETER IS NOT CONTROLLED IN L_1.
2. LEADS HAVING MAXIMUM DIAMETER .019" (.482 MM) MEASURED IN GAGING PLANE .054" (1.38 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE REFERENCE PLANE OF THE DEVICE SHALL BE WITHIN .007" (.177 MM) OF THEIR TRUE POSITIONS.

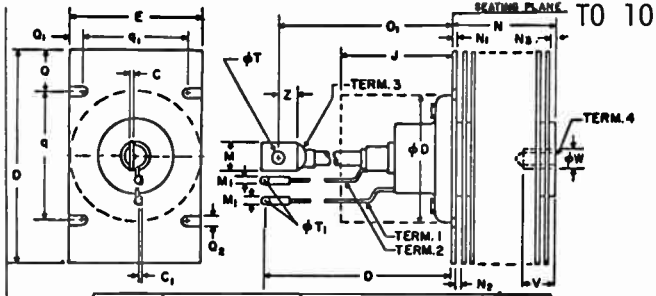
TO 108



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ØD		1.949.		49.50	
$ØD_1$		1.631		41.42	1
E	1.631	1.688	41.43	42.87	
F	.250	.500	6.35	12.70	5
J		4.000		101.60	1,7
M	.735	1.000	18.67	25.40	2
M_1	.218	.328	5.54	8.33	2,8
ØM	.880	.999	22.36	25.37	
N	1.375	1.535	34.93	38.98	
N_1		.250		6.35	3
O	9.640	10.140	244.86	257.55	
O_1	9.400	9.780	238.76	248.41	
ØT	.320	.448	8.13	11.37	
$ØT_1$	.140	.172	3.56	4.36	
ØW	.9382	.9459	23.831	24.025	4
Z	.375		9.53		6

NOTES:
1. THE BODY OF THE DEVICE WITH EXCEPTION OF THE HEXAGON, THREAD, AND FLEXIBLE LEAD EXTENSIONS LIES WITHIN $Ø D_1$.
2. ANGULAR ORIENTATION OF THESE TERMINALS WITH RESPECT TO HEXAGON PORTION IS UNDEFINED. SQUARE OR RADIUS ON END OF TERMINALS IS OPTIONAL.
3. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM
4. PITCH DIAMETER OF 1-12 UNF-2A (COATED) THREADS (ASA B1.1-1960)
5. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGON PORTION IS OPTIONAL.
6. MINIMUM FLAT.
7. SEATED HEIGHT WITH LEAD BENT AT RIGHT ANGLES.
8. FLEXIBLE LEADS FOR TERMINALS 1 AND 2 ARE IDENTIFIED BY COLOR CODING FOR SPECIFIC APPLICATIONS.

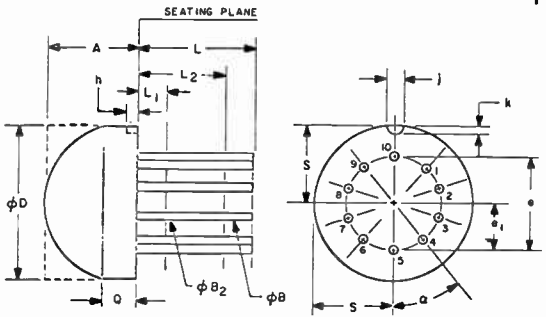
TO 109



SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
C	.100	.200	2.54	5.08	1
C_1	.020	.040	.51	1.02	1
D	4.937	5.063	125.40	128.60	
ØD		3.270		83.05	2
E	3.937	4.063	100.00	103.20	
J		4.000		101.60	2,3
M	.735	1.000	18.67	25.40	1
M_1	.218	.320	5.54	8.12	1,6
N		2.130		54.10	
N_1	.125	.220	3.18	5.58	
N_2	.140		3.56		7
N_3	.080		2.04		
O	9.400	10.250	238.76	260.35	
O_1	9.150	10.141	232.41	257.58	
Q	.968	1.031	24.59	26.18	
Q_1	.468	.531	11.89	13.48	
Q_2	.312	.384	7.93	9.75	
q	2.968	3.031	75.39	76.98	
q_1	2.968	3.031	75.39	76.98	
ØT	.320	.448	8.13	11.37	
$ØT_1$	.140	.172	3.56	4.36	
V	.750		19.05		
ØW	.4675	.4731	11.873	12.016	5
Z	.375		9.52		4.

NOTES:
1. CONTOUR AND ORIENTATION OF TERMINAL LUGS ARE UNDEFINED.
2. THE BODY OF THE DEVICE WITH THE EXCEPTION OF HEATSINK AND FLEXIBLE LEADS LIES WITHIN ØD.
3. SEATED HEIGHT WITH THE LEAD BENT AT RIGHT ANGLES.
4. MINIMUM FLAT.
5. PITCH DIAMETER OF THREADS - 1/2 - 20 UNF 2B (ASA B1.1-1960)
6. PARALLEL, TWISTED OR COAXIAL FLEXIBLE LEADS FOR TERMINALS 1 AND 2 ARE IDENTIFIED BY COLOR CODING FOR SPECIFIC APPLICATIONS. COAXIAL SHIELDED LEAD HAS SHIELD AS TERMINAL 2.
7. WHEN DIMENSIONS LESS THAN .180 (4.58 MM) ARE USED, CLEARANCE IN THE SECOND FIN WILL BE PROVIDED.

TO 110



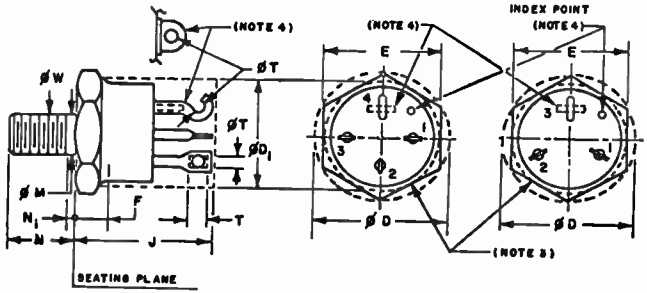
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.120	.240	3.1	6.0	
ø B	.016	.021	.407	.533	1, 2
ø B_2	.016	.019	.407	.482	1, 2
ø D	.310	.330	7.88	8.38	
e	.195	.205	4.96	5.20	
e_1	.098	.102	2.490	2.590	
h	.015	.040	.39	1.01	
j	.025	.050	.64	1.27	
k	.010	.030	.26	.76	
L	.500	-	12.70	-	1, 2
L_1	-	.050	-	1.27	1, 2
L_2	.250	-	6.35	-	1, 2
S	.145	.165	3.69	4.19	
Q	.060	-	1.53	-	3
α	36° T.P.		36° T.P.		

NOTES:

1. (TEN LEADS). MAXIMUM NUMBER OF LEADS THAT CAN BE OMITTED IN THIS OUTLINE, ONE (1).
2. ø B_2 APPLIES BETWEEN L_1 AND L_2. ø B APPLIES BETWEEN L_2 AND L. DIAMETER IS NOT CONTROLLED IN L_1.
3. CONTOUR OF PACKAGE BEYOND THIS ZONE OPTIONAL, BUT MUST BE CONFINED WITHIN ø D AND A.

TO 111



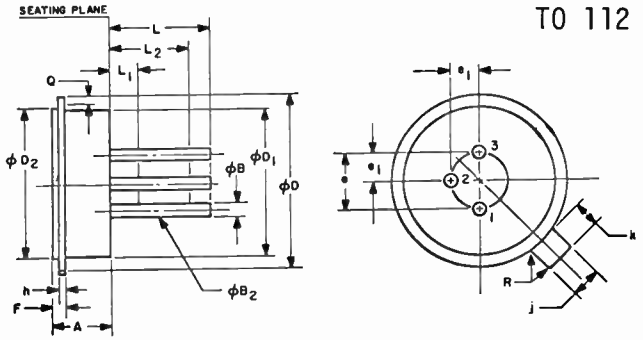
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN	INCHES MAX	MILLIMETERS MIN	MILLIMETERS MAX	NOTES
ø D	—	.505	—	12.82	
ø D_1	.330	.423	8.39	10.74	1
E	.423	.438	10.75	11.12	2
F	.090	.250	2.3	6.3	5
J	.570	.763	14.5	19.3	1
ø M	.155	.189	3.94	4.80	6
N	.400	.455	10.16	11.55	
N_1	—	.078	—	1.98	6
ø T	.040	.070	1.02	1.77	
T	—	.090	—	2.28	7
ø W	.1658	.1697	4.212	4.310	8

NOTES:

1. Device body and terminals (with exception of hexagon) lie within the cylinder diameter ø D_1 and length J.
2. Position of terminals in relation to the hexagon is not controlled.
3. Four terminals. Omission of a maximum of one terminal is optional. Position of the terminals is optional. The number and position of terminals actually present are indicated in the product registration.
4. The use of either a hook, short tab, or tall tab terminal contour is optional. An index point is required when the tall tab terminal contour (identical to the adjacent terminals) option is used.
5. A chamfer (or undercut) on one or both ends of hexagonal portion is optional.
6. Incomplete or undercut threads.
7. Elongated hole in tab is optional.
8. Pitch diameter of 10-32 UNF-2A coated threads (ASA B1.1-1960).

TO 112

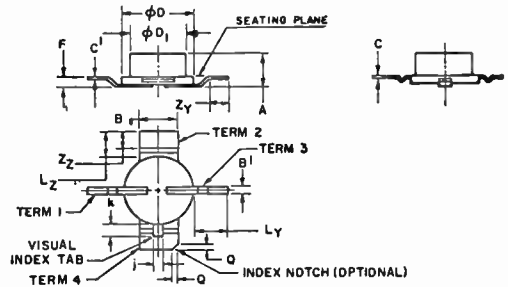


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.090	.115	2.29	2.92	
Ø B	.016	.021	.407	.533	1
Ø B_2	.016	.019	.407	.482	1
Ø D	.305	.320	7.75	8.12	
Ø D_1	.265	.275	6.74	6.98	
Ø D_2	.270	.320	6.86	.812	
e	.100 T.P.		2.54 T.P.		2
e_1	.050 T.P.		1.27 T.P.		
F	.016	.024	.407	.609	
h	.008	.012	.204	.304	
j	.047	.053	1.194	1.346	
k	.047	.053	1.194	1.346	3
L	.400	-	10.16	-	1
L_1	-	.050	-	1.27	1
L_2	.250	-	6.35	-	1
Q	.015	-	.381	-	4
R	-	.009	-	.22	
α	45° T.P.		45° T.P.		5

NOTES:
1. Ø B_2 APPLIES BETWEEN L_1 AND L_2. Ø B APPLIES BETWEEN L_2 AND L. DIAMETER IS NOT CONTROLLED IN L_1.
2. LEADS HAVING MAXIMUM DIAMETER .019" (.482 MM) MEASURED IN GAGING PLANE .054" (1.38 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE OF THE DEVICE SHALL BE WITHIN .007" (.178 MM) OF THEIR TRUE POSITIONS RELATIVE TO THE MAXIMUM WIDTH TAB.
3. MEASURED FROM MAXIMUM DIAMETER OF ACTUAL DEVICE.
4. MINIMUM FLAT.
5. TAB CENTERLINE.

TO 113

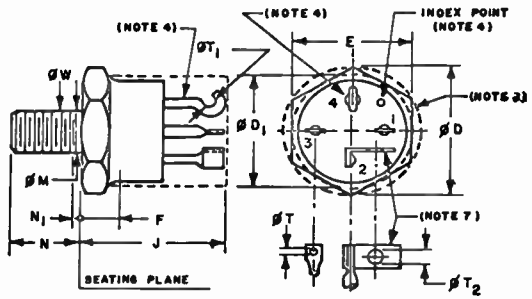


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.080	.100	2.04	2.54	
B	.095	.105	2.42	2.66	2
B'	.012	.025	.31	.63	1
C	.001	.002	.026	.050	2
C'	.001	.003	.026	.076	1
Ø D	.180	.200	4.58	5.08	
Ø D_1	.157	.164	3.988	4.165	
F	-	.025	-	.63	3, 7
J	-	.024	-	.60	
k	-	.033	-	.83	4
L_Y	.088	.130	2.24	3.30	1, 4
L_Z	.060	.080	1.53	2.03	2, 4
Q	-	.020	-	.50	
Z_Y	.040	-	1.02	-	1,5,6,7
Z_Z	.030	-	.77	-	2,5,6,7

NOTES:
1. TERMINALS 1 AND 3.
2. TERMINALS 2 AND 4.
3. ALL TERMINALS.
4. MEASURED FROM MAXIMUM DIAMETER OF ACTUAL DEVICE.
5. FLAT ON TERMINALS.
6. WITH THE DEVICE SEATED IN A .165" (4.20 MM) + .010" (.25 MM) -.000" (.00 MM) HOLE A MAXIMUM FORCE OF 20 GRAMS ON EACH OF THE TERMINALS SHALL CAUSE THE FLATS OF THE TERMINALS TO CONTACT THE SEATING PLANE.
7. TERMINAL CONFIGURATIONS OPTIONAL BETWEEN Ø D AND FLATS ON TERMINALS.

TO 114

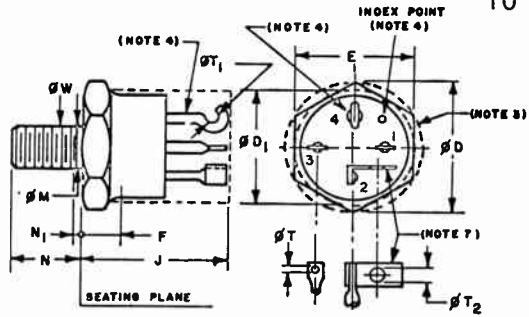


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN	INCHES MAX	MILLIMETERS MIN	MILLIMETERS MAX	NOTES
ØD	—	1.227	—	31.16	
$ØD_1$	.885	1.031	22.5	26.1	1
E	1.031	1.063	26.19	27.00	2
F	.090	.400	2.3	10.1	5
J	1.048	1.750	26.7	44.4	1
ØM	.425	.500	10.80	12.70	6
N	.781	.828	19.84	21.03	
N_1	—	.156	—	3.96	6
ØT	.078	.109	1.99	2.76	
$ØT_1$	.234	.281	5.95	7.13	
$ØT_2$	.180	.210	4.58	5.33	7
Øw	.4619	.4675	11.733	11.874	8

NOTES:
1. Device body and terminals (with exception of hexagon) lie within the cylinder diameter $ØD_1$ and length J.
2. Position of terminals in relation to the hexagon is not controlled.
3. Four terminals. Omission of a maximum of one terminal is optional. Position of the terminals is optional. The number and position of terminals actually present are indicated in the product registration.
4. The use of either a hook or tab terminal contour is optional. An index point is required when the tab terminal (identical to the adjacent terminals) contour option is used.
5. A chamfer (or undercut) on one or both ends of hexagonal portional is optional.
6. Incomplete or undercut threads.
7. Use of tab extension is optional.
8. Pitch diameter of $\frac{1}{4}$-20 UNF-2A (coated) threads (ASA B1.1-1960).

TO 115

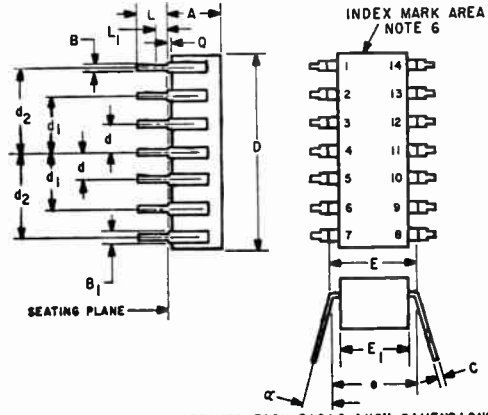


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN	INCHES MAX	MILLIMETERS MIN	MILLIMETERS MAX	NOTES
ØD	—	1.443	—	36.65	
$ØD_1$	1.109	1.212	28.2	30.7	1
E	1.212	1.250	30.79	31.75	2
F	.090	.400	2.3	10.1	5
J	1.313	2.250	33.4	57.1	1
ØM	.550	.625	13.97	15.87	6
N	.922	.985	23.42	25.01	
N_1	—	.156	—	3.96	6
ØT	.078	.109	1.99	2.76	
$ØT_1$	.234	.281	5.95	7.13	
$ØT_2$	.250	.281	6.35	7.13	7
Øw	.5828	.5889	14.804	14.958	8

NOTES:
1. Device body and terminals (with exception of hexagon) lie within the cylinder diameter $ØD_1$ and length J.
2. Position of terminals in relation to the hexagon is not controlled.
3. Four terminals. Omission of a maximum of one terminal is optional. Position of the terminals is optional. The number and position of terminals actually present are indicated in the product registration.
4. The use of either a hook or tab terminal contour is optional. An index point is required when the tab terminal (identical to the adjacent terminals) contour option is used.
5. A chamfer (or undercut) on one or both ends of hexagonal portional is optional.
6. Incomplete or undercut threads.
7. Use of tab extension is optional.
8. Pitch of diameter of 5/8-18 UNF-2A (coated) threads (ASA B1.1-1960).

TO 116

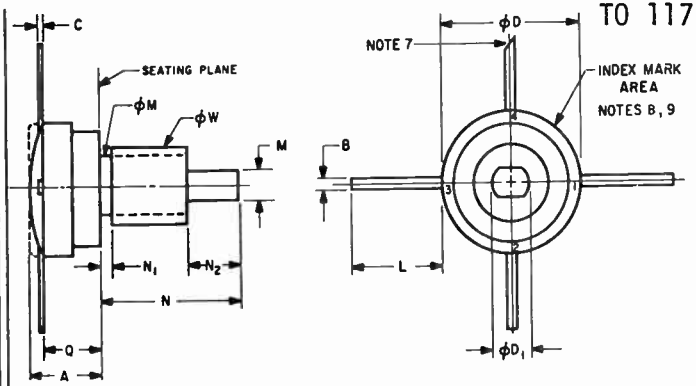


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	-	.200	-	5.08	
B	.015	.023	.381	.584	3,7
B_1	.030	.070	.77	1.77	3,7
C	.008	.015	.204	.381	3
D	.660	.785	17.4	19.9	
d	.090	.110	2.29	2.79	1
d_1	.190	.210	4.83	5.33	1
d_2	.290	.310	7.37	7.87	1
E	-	.325	-	8.25	5
E_1	.220	.280	5.59	7.11	
e	.290	.310	7.37	7.87	4
L	.100	-	2.540	-	1,3
L_1	-	.030	-	.76	2
Q	.020	-	.51	-	
α	0°	15°	0°	15°	

NOTES:
1. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL BE COUNTED WHEN NUMBERING LEADS FOR SPECIAL APPLICATIONS.
2. LEAD SPACING SHALL BE MEASURED WITHIN THIS ZONE.
3. TYPICAL ALL LEADS.
4. INSTALLED POSITION OF LEAD CENTERS.
5. OVERALL INSTALLED WIDTH.
6. INDEX TO BE VISIBLE FROM TOP, THIS END ONLY.
7. LEAD TRANSITION GEOMETRY FROM B TO B_1 OPTIONAL ON BODY SIDE OF SEATING PLANE.

TO 117

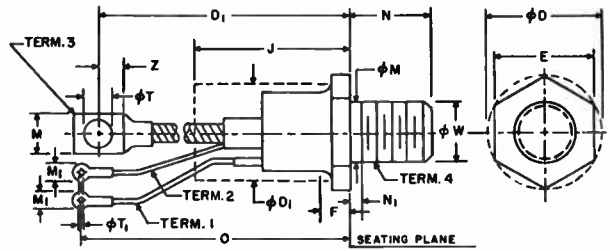


MILLIMETER DIMENSIONS DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.140	.230	3.56	5.84	1
B	.027	.033	.686	.838	2
C	.014	.016	.356	.406	2
ØD	.240	.380	6.1	9.6	1
$ØD_1$	.110	.129	2.80	3.27	3
L	.450	-	11.43	-	2,4
M	.055	.065	1.40	1.65	3
ØM	.120	.163	3.05	4.14	5
N	.425	.525	10.8	13.3	-
N_1	-	.078	-	1.98	5
N_2	.115	.145	2.93	3.68	3
Q	.110	.130	2.80	3.30	-
ØW	.1399	.1437	3.554	3.649	6

NOTES:
1. BODY CONTOUR OPTIONAL WITHIN ØD AND A.
2. TYPICAL ALL LEADS.
3. ORIENTATION OF FLATS NOT CONTROLLED IN RELATION TO THE LEADS.
4. OMISSION OF ONE LEAD OPTIONAL. THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATIONS.
5. LENGTH (OR DIAMETER) OF INCOMPLETE OR UNDERCUT THREADS.
6. PITCH DIAMETER OF 8-32 UNC-2A (COATED) THREADS (ASA B1.1-1960).
7. LEAD 4 END CONFIGURATION OPTIONAL.
8. INDEX MARK TO BE VISIBLE FROM TOP.
9. INDEX MARK OPTIONAL FOR THREE-LEAD DEVICES.

TO 118

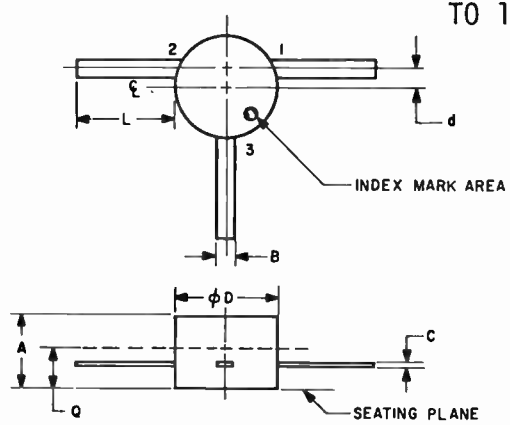


MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
ØD	-	1.949	-	49.50	-
ϕD_1	-	1.631	-	41.42	1
E	1.631	1.688	41.43	42.87	-
F	.250	.500	6.4	12.7	5
J	-	4.000	-	101.60	1,7
M	.735	1.000	18.7	25.4	2
M_1	.260	.328	6.61	8.33	2,8
ϕM	.660	.749	16.77	19.02	-
N	1.031	1.095	26.19	27.81	-
N_1	-	.156	-	3.96	3
O	9.640	10.140	244.9	257.5	-
O_1	9.400	9.780	238.8	248.4	-
ϕT	.320	.448	8.2	11.3	-
ϕT_1	.140	.172	3.56	4.36	-
ϕW	.7029	.7094	17.854	18.018	4
Z	.375	-	9.53	-	6

NOTES:
1. THE BODY OF THE DEVICE WITH EXCEPTION OF THE HEXAGON, THREAD, AND FLEXIBLE LEAD EXTENSIONS LIES WITHIN ϕD_1 AND LENGTH J.
2. ANGULAR ORIENTATION OF THESE TERMINALS WITH RESPECT TO HEXAGON PORTION IS UNDEFINED. SQUARE OR RADIUS ON END OF TERMINALS IS OPTIONAL.
3. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ϕM
4. PITCH DIAMETER OF 3/4-16 UNF-2A (COATED) THREADS (ASA B1.1-1960)
5. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGON PORTION IS OPTIONAL.
6. MINIMUM FLAT.
7. SEATED HEIGHT WITH LEAD BENT AT RIGHT ANGLES.
8. FLEXIBLE LEADS FOR TERMINALS 1 AND 2 ARE IDENTIFIED BY COLOR CODING FOR SPECIFIC APPLICATIONS.

TO 119



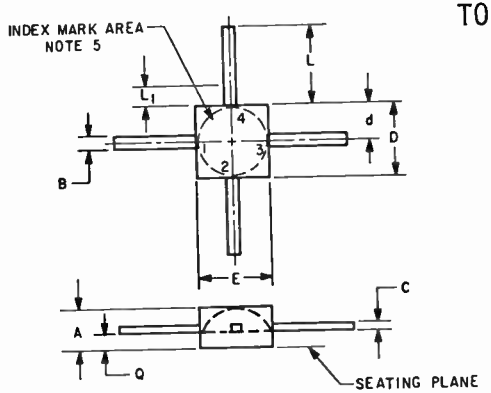
MILLIMETER DIMENSIONS DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.040	.065	1.02	1.65	1
B	.020	.028	.508	.711	2
C	.003	.005	.077	.127	2
ØD	.184	.225	4.68	5.71	1
d	-	.035	-	.88	3
L	.240	-	6.10	-	2,4
Q	-	.030	-	.76	3

NOTES:

1. CONTOUR OF BODY OPTIONAL WITHIN ØD AND A. ØD MIN. AND ØD MAX. APPLY ONLY TO GREATEST BODY DIAMETER.
2. TYPICAL ALL LEADS.
3. LEADS SHALL EMERGE FROM THE BODY WITHIN THE LIMITS INDICATED BY THE d AND Q DIMENSIONS.
4. MEASURED FROM GREATEST BODY DIAMETER OF ACTUAL DEVICE.

TO 120



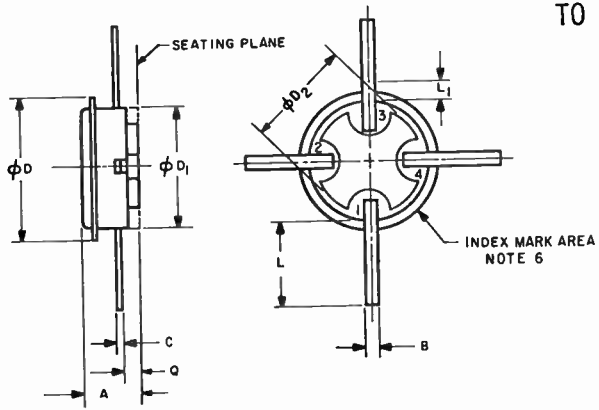
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.030	.062	.77	1.57	1
B	.008	.019	.21	.48	2
C	.003	.007	.077	.177	2
d	.015	.046	.39	1.16	3
D	.067	.092	1.71	2.33	1
E	.067	.088	1.71	2.23	1
L	.100	-	2.54	-	2
L1	-	.035	-	.88	2,4
Q	.007	.034	.18	.86	-

NOTES:

1. CONFIGURATION OF PACKAGE OPTIONAL WITHIN ZONE DEFINED BY A, D, AND E.
2. TYPICAL ALL LEADS.
3. THIS DIMENSION APPLIES TO LEADS 1 AND 3 ONLY.
4. LEAD DIMENSIONS NOT CONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD FINISH IRREGULARITIES.
5. INDEX TO BE VISIBLE FROM TOP.
6. OMISSION OF ONE LEAD OPTIONAL. LEADS MISSING FROM THEIR DESIGNATED POSITIONS SHALL BE COUNTED WHEN NUMBERING LEADS FOR SPECIFIC APPLICATIONS. THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION.

TO 121



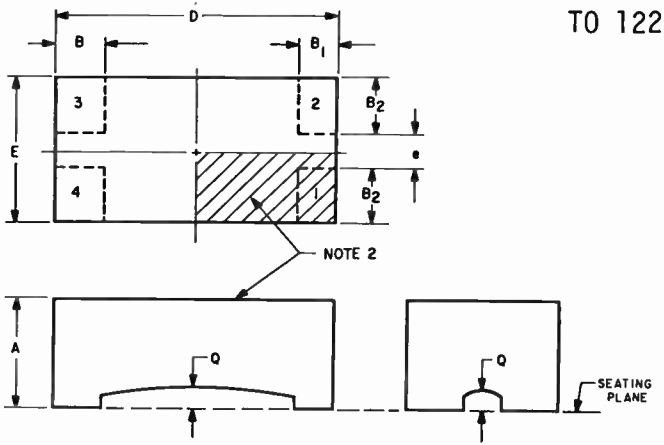
MILLIMETER DIMENSIONS DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.145	.200	3.69	5.08	-
B	.035	.046	.89	1.16	1
C	.012	.019	.305	.482	1
ØD	.593	.680	15.07	17.27	-
ØD1	.520	.594	13.21	15.08	2
ØD2	.480	-	12.20	-	3
L	.195	-	4.96	-	1,4
L1	-	.105	-	2.66	1,4,5
Q	.005	.020	.13	.50	2

NOTES:

1. TYPICAL ALL LEADS.
2. CONFIGURATION OF PACKAGE OPTIONAL WITHIN ZONE DEFINED BY ØD1 AND Q.
3. MINIMUM DIAMETER OF SEATING PLANE.
4. MEASURED FROM INTERSECTION OF LEAD AXIS AND BODY SURFACE OF DIAMETER ØD1.
5. DIMENSIONS, CONFIGURATION, AND POSITION OF LEADS OPTIONAL IN THIS ZONE.
6. INDEX MARK OPTIONAL FOR THREE-LEAD DEVICES.
7. OMISSION OF ONE LEAD OPTIONAL. THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATION.

TO 122



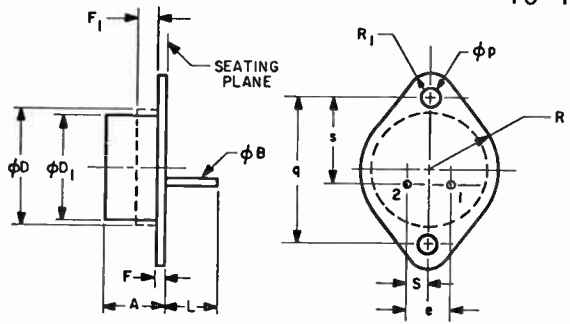
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	0.027	0.035	0.686	0.889	-
B	0.011	0.017	0.280	0.431	-
B_1	0.008	0.014	0.204	0.355	-
B_2	0.012	0.018	0.305	0.457	3
D	0.070	0.078	1.778	1.981	-
E	0.035	0.043	0.889	1.092	-
e	0.009	0.011	0.229	0.279	3
Q	-	-	-	-	1

NOTES:

1. DETAILS OF THE OUTLINE IN THIS ZONE ARE OPTIONAL EXCEPT THAT THE OUTLINE SHALL NOT EXTEND BEYOND THE SEATING PLANE.
2. AN INDEX MARK SHALL BE LOCATED ON THE TOP SURFACE IN THE QUADRANT ABOVE TERMINAL ONE.
3. THESE TOLERANCES ARE NON-CUMULATIVE.

TO 123



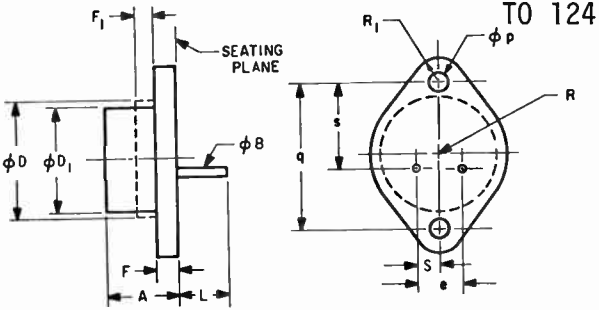
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.250	.340	6.35	8.63	-
øB	.028	.034	.712	.863	-
øD	-	.620	-	15.74	1
$øD_1$	.470	.500	11.94	12.70	-
e	.190	.210	4.83	5.33	-
F	.020	.040	.51	1.01	2
F_1	-	.050	-	1.27	1
L	.360	-	9.15	-	-
øp	.142	.152	3.61	3.86	-
q	.958	.962	24.334	24.434	-
R	-	.352	-	8.94	-
R_1	-	.147	-	3.73	-
S	.093	.107	2.37	2.71	-
s	.570	.590	14.48	14.98	-

NOTES:

1. OUTLINE CONTOUR OPTIONAL WITHIN ZONE DEFINED BY ØD AND F_1.
2. THE F DIMENSION DOES NOT INCLUDE SEALING FLANGES.

TO 124



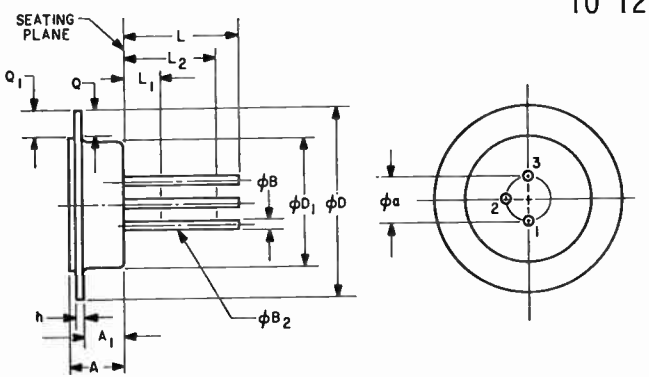
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.250	.355	6.4	9.0	-
ØB	.028	.034	.712	.863	-
ØD	-	.620	-	15.74	1
$ØD_1$	.470	.500	11.94	12.70	-
e	.190	.210	4.83	5.33	-
F	.085	.102	2.16	2.59	2
F_1	-	.050	-	1.27	1
L	.360	-	9.15	-	-
Øp	.142	.152	3.61	3.86	-
q	.958	.962	24.334	24.434	-
R	-	.352	-	8.94	-
R_1	-	.147	-	3.73	-
S	.093	.107	2.37	2.71	-
s	.570	.590	14.48	14.98	-

NOTES:

1. OUTLINE CONTOUR OPTIONAL WITHIN ZONE DEFINED BY ØO AND F_1.
2. THE F DIMENSION DOES NOT INCLUDE SEALING FLANGES.

TO 125



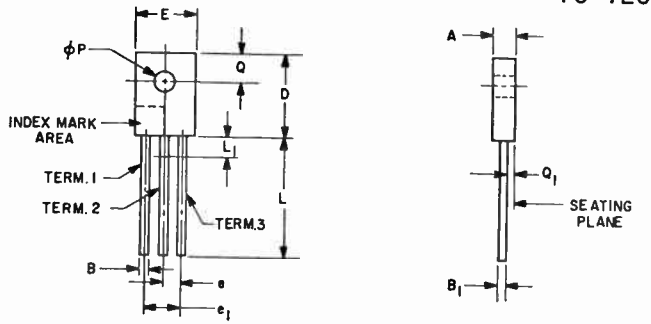
MILLIMETER DIMENSIONS ARE DERIVED FROM BASIC INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.099	.123	2.52	3.12	-
Øa	.100 T.P.		2.54 T.P.		2
ØB	.016	.021	.407	.533	1
$ØB_2$	.016	.019	.407	.482	1
ØO	.427	.433	10.846	10.998	-
$ØD_1$	.284	.290	7.214	7.366	-
h	.008	.012	.204	.304	-
L	.450	-	11.43	-	1
L_1	-	.050	-	1.27	1
L_2	.250	-	6.35	-	1
Q	.058	-	1.48	-	3
Q_1	.032	-	.82	-	3
A_1	.085	.101	2.16	2.56	-

NOTES:

1. $ØB_2$ APPLIES BETWEEN L_1 AND L_2. ØB APPLIES BETWEEN L_2 AND L. DIAMETER IS NOT CONTROLLED IN L_1.
2. THE CROSS SECTION OF EACH LEAD HAVING A MAXIMUM DIAMETER OF .019" (.482 MM) AND MEASURED IN A GAGING PLANE .054" (1.372 MM) + .001" (.025 MM) - .000" (.000 MM) BELOW THE SEATING PLANE LIES IN A CIRCLE HAVING A DIAMETER OF .033" (.838 MM) CENTERED AT THE TRUE POSITION OF THE LEAD AXIS AT ITS POINT OF EXIT RELATIVE TO A .290" (7.366 MM) MAXIMUM BODY DIAMETER, $ØD_1$.
3. MINIMUM FLAT.

TO 126



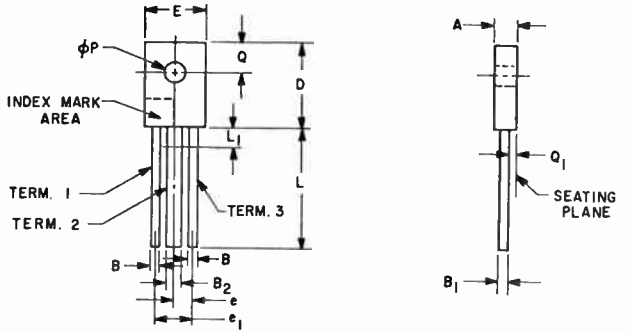
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.090	.120	2.29	3.04	-
B	.025	.035	.64	.88	4
B_1	.015	.025	.39	.63	-
D	.400	.450	10.16	11.43	-
E	.280	.330	7.12	8.38	-
e	.080	.100	2.04	2.54	3
e_1	.160	.200	4.07	5.08	3
L	.595	.655	15.12	16.63	-
L_1	-	.100	-	2.54	1
ØP	.100	.130	2.54	3.30	-
Q	.130	.175	3.31	4.44	-
Q_1	.035	.065	.89	1.65	-

NOTES:

1. LEAD DIMENSIONS NOT CONTROLLED IN THIS ZONE TO ALLOW FOR BODY FLASH AND LEAD FINISH BUILD-UP.
2. MAXIMUM RADIUS OF .050 IN. (1.27 MM) ON ALL BODY EDGES AND CORNERS.
3. LEAD SPACING TO BE MEASURED BETWEEN .100 IN. (2.54 MM) AND .125 IN. (3.17 MM) FROM THE POINT OF EMERGENCE FROM THE BODY.
4. TYPICAL ALL LEADS.

TO 127



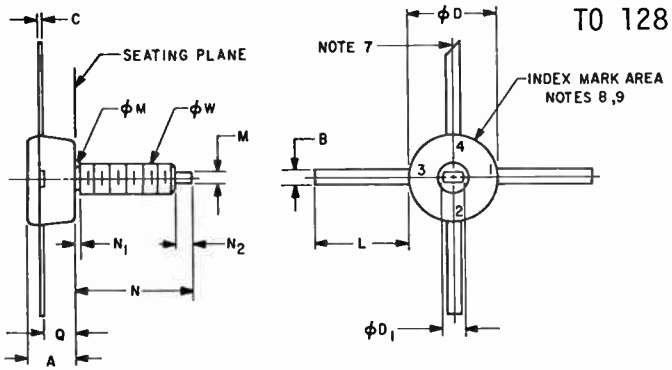
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.120	.150	3.05	3.81	-
B	.041	.051	1.05	1.29	-
B_1	.027	.037	.69	.93	-
B_2	.065	.075	1.66	1.90	-
D	.618	.668	15.70	16.96	-
E	.480	.530	12.20	13.46	-
e	.151	.181	3.84	4.59	3
e_1	.302	.362	7.68	9.19	3
L	.595	.655	15.12	16.63	-
L_1	-	.125	-	3.17	1
ØP	.125	.155	3.18	3.93	-
Q	.180	.225	4.58	5.71	-
Q_1	.035	.065	.89	1.65	-

NOTES:

1. LEAD DIMENSIONS NOT CONTROLLED IN THIS ZONE TO ALLOW FOR BODY FLASH AND LEAD FINISH BUILD-UP.
2. MAXIMUM RADIUS OF .050 IN. (1.27 MM) ON ALL BODY EDGES AND CORNERS.
3. LEAD SPACING TO BE MEASURED BETWEEN .125 IN. (3.18 MM) AND .150 IN. (3.81 MM) FROM THE POINT OF EMERGENCE FROM THE BODY.

TO 128



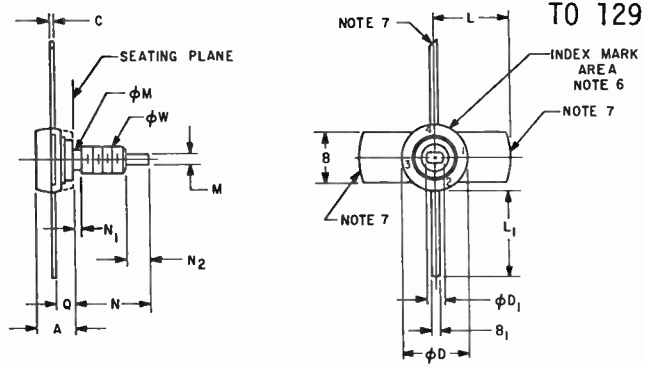
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.280	.285	7.112	7.239	1
B	.088	.092	2.236	2.336	2
C	.014	.016	.356	.406	2
ØD	.450	.500	11.43	12.70	1
ØD1	.100	.120	2.54	3.04	3
L	.480	.500	12.20	12.70	2
M	.056	.064	1.423	1.625	3
ØM	.120	.163	3.05	4.14	-
N	.440	.460	11.18	11.68	-
N1	-	.078	-	1.98	5
N2	.115	.145	2.93	3.68	3
Q	.160	.170	4.07	4.31	-
ØW	.1399	.1437	3.554	3.649	6

NOTES:

1. BODY CONTOUR OPTIONAL WITHIN ØD AND A. ØD MIN. APPLIES TO GREATEST BODY DIAMETER.
2. TYPICAL ALL LEADS.
3. ORIENTATION OF FLATS NOT CONTROLLED IN RELATION TO THE LEADS.
4. OMISSION OF ONE LEAD OPTIONAL. THE NUMBER AND POSITION OF LEADS ACTUALLY PRESENT ARE INDICATED IN THE PRODUCT REGISTRATIONS.
5. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM.
6. PITCH DIAMETER OF 8-32 UNC-2A (COATED) THREADS (ASA B1.1-1960).
7. LEAD 4 END CONFIGURATION OPTIONAL.
8. INDEX MARK TO BE VISIBLE FROM TOP.
9. INDEX MARK OPTIONAL FOR THREE-LEAD DEVICES.

TO 129



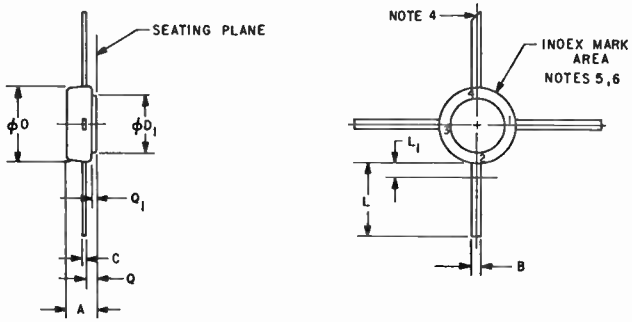
MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.200	.230	5.08	5.84	1
B	.285	.295	7.24	7.49	-
B1	.028	.032	.712	.812	-
C	.010	.012	.254	.304	2
ØD	.365	.370	9.271	9.398	1
ØD1	.110	.129	2.80	3.27	3
L	.430	.440	10.93	11.17	-
L1	-	.550	-	13.97	-
M	.056	.064	1.423	1.625	3
ØM	.120	.163	3.05	4.14	-
N	.440	.460	11.18	11.68	-
N1	-	.078	-	1.98	4
N2	.115	.145	2.93	3.68	3
Q	.110	.130	2.80	3.30	-
ØW	.1399	.1437	3.554	3.649	5

NOTES:

1. BODY CONTOUR OPTIONAL WITHIN ØD AND A. ØD MIN. APPLIES TO GREATEST BODY DIAMETER.
2. TYPICAL ALL LEADS.
3. ORIENTATION OF FLATS NOT CONTROLLED IN RELATION TO THE LEADS.
4. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM.
5. PITCH DIAMETER OF 8-32 UNC-2A (COATED) THREADS (ASA B1.1-1960).
6. INDEX MARK TO BE VISIBLE FROM TOP.
7. LEAD END CONFIGURATION OPTIONAL.

TO 130



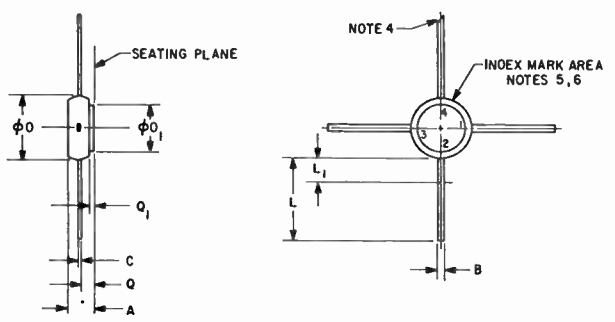
MILLIMETER OIMENSIONS ARE OERIVED FROM ORIGINAL INCH OIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.170	.180	4.32	4.57	1
B	.028	.032	.712	.812	2
C	.014	.016	.356	.406	2
ØO	.400	.455	10.16	11.55	1
ØO1	.320	.330	8.13	8.38	-
L	.475	.525	12.07	13.33	2,3
L1	-	.035	-	.88	2,7
Q	.055	-	1.40	-	-
Q1	.005	.020	.13	.50	-

NOTES:

1. BOOY CONTOUR OPTIONAL WITHIN ØO ANO A. ØO MIN. APPLIES TO GREATEST BOOY OIAMETER.
2. TYPICAL ALL LEAOS.
3. OMISSION OF ONE LEAO OPTIONAL. THE NUMBER ANO POSITION OF LEAOS ACTUALLY PRESENT ARE INOICATEO IN THE PROOUCT REGISTRATIONS.
4. LEAO 4 ENO CONFIGURATION OPTIONAL.
5. INOEX MARK TO BE VISIBLE FROM TOP.
6. INOEX MARK OPTIONAL FOR THREE-LEAO OEVICES.
7. LEAO OIMENSIONS NOT CONTROLLEO IN THIS ZONE TO ALLOW FOR BOOY ANO LEAO FINISH IRREGULARITIES.

TO 131

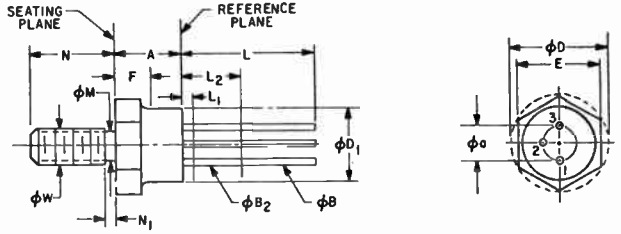


MILLIMETER OIMENSIONS ARE OERIVED FROM ORIGINAL INCH OIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.145	.185	3.69	4.69	1
B	.028	.032	.712	.812	2
C	.014	.016	.356	.406	2
ØO	.355	.375	9.02	9.52	1
ØO1	.270	.285	6.86	7.23	-
L	.450	.550	11.5	13.9	2,3
L1	-	.035	-	.88	2,7
Q	.055	-	1.40	-	-
Q1	.005	.020	.13	.50	-

NOTES:

1. BOOY CONTOUR OPTIONAL WITHIN ØO ANO A. ØO MIN APPLIES TO GREATEST BOOY OIAMETER.
2. TYPICAL ALL LEAOS.
3. OMISSION OF ONE LEAO OPTIONAL. THE NUMBER ANO POSITION OF LEAOS ACTUALLY PRESENT ARE INOICATEO IN THE PROOUCT REGISTRATIONS.
4. LEAO 4 ENO CONFIGURATION OPTIONAL.
5. INOEX MARK TO BE VISIBLE FROM TOP.
6. INOEX MARK OPTIONAL FOR THREE-LEAO OEVICES.
7. LEAO DIMENSIONS NOT CONTROLLED IN THIS ZONE TO ALLOW FOR BOOY ANO LEAD FINISH IRREGULARITIES.



MILLIMETER DIMENSIONS ARE DERIVED FROM ORIGINAL INCH DIMENSIONS

SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.300	.350	7.62	8.89	-
Øa	.200 T.P.		5.08 T.P.		1
ØB	.016	.021	.407	.533	2
$ØB_2$	.016	.019	.407	.482	2
ØD	.400	.505	10.2	12.8	-
$ØD_1$	.390	.410	9.91	10.41	-
E	.423	.438	10.75	11.12	-
F	.120	.150	3.05	3.81	-
L	.475	-	12.07	-	2
L_1	-	.050	-	1.27	2
L_2	.250	-	6.35	-	2
ØM	.163	.189	4.15	4.80	6
N	.422	.453	10.72	11.50	-
N_1	-	.078	-	1.98	6
ØW	.1658	.1697	4.212	4.310	3

NOTES:
1. LEADS SHALL BE LOCATED RELATIVE TO EACH OTHER SUCH THAT THE CROSS SECTION OF EACH LEAD HAVING A MAXIMUM DIAMETER OF .019" (.482 MM) AND MEASURED IN A GAGING PLANE .054" (1.372 MM) + .001" (.025 MM) - .000" (.000 MM) ABOVE THE REFERENCE PLANE LIES IN A CIRCLE HAVING A DIAMETER OF .033" (.84 MM) CENTERED AT THE TRUE POSITION OF THE LEAD AXIS AT ITS POINT OF EXIT. POSITION OF LEAD GROUPING IN RELATION TO THE BODY IS NOT CONTROLLED.
2. (ALL LEADS) DIAMETER IS NOT CONTROLLED IN L_1 AND BEYOND L. $ØB_2$ APPLIES BETWEEN L_1 AND L_2. ØB APPLIES BETWEEN L_2 AND L.
3. PITCH DIAMETER OF 10-32 UNF-2A (COATED) THREADS. (ASA B1.1-1960).
4. ORIENTATION OF LEAD GROUPING IN RELATION TO THE HEXAGON IS NOT CONTROLLED.
5. A CHAMFER (OR UNDERCUT) ON ONE OR BOTH ENDS OF HEXAGONAL PORTION IS OPTIONAL.
6. LENGTH OF INCOMPLETE OR UNDERCUT THREADS OF ØM.

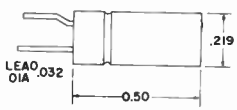
Transistor Outlines

The outlines for transistors that do not have TO numbers are given in this section. They are listed with a number and a letter, such as 210A. The number "210" corresponds to the one used in the Lead and Terminal Identification section. Since there are a number of different physical shapes that have the same lead or terminal arrangement, a number is used to refer to the terminals (210), and a letter (A, B, C, etc.) is used to designate the particular outline drawing.

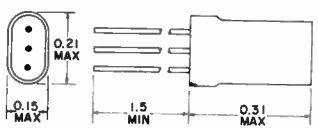
For additional information relating to outline drawings, refer to Registered Transistor Outlines, page 96.

NOTE: Outline dimensions are in INCHES.

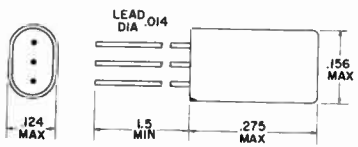
1A



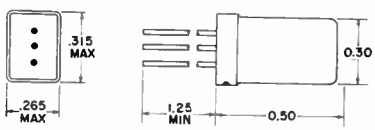
5A



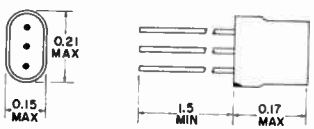
5B



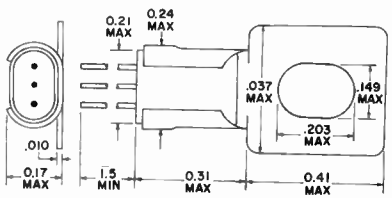
5C



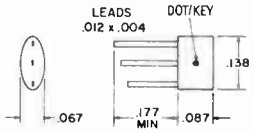
5D



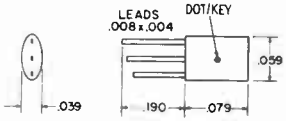
5X



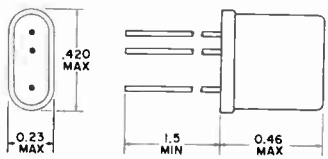
8A



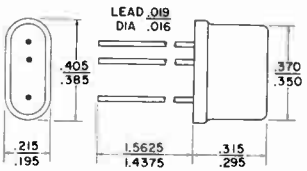
8B



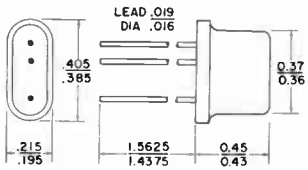
10A



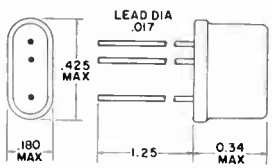
10B



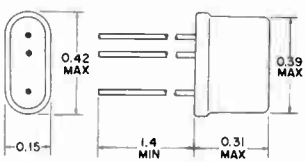
10D



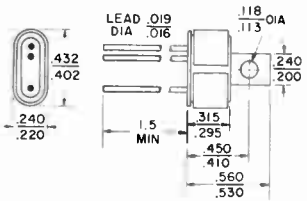
10E



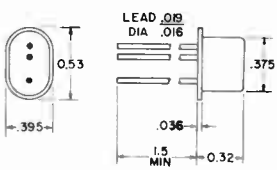
10F



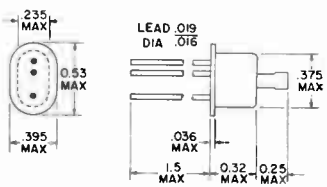
10G



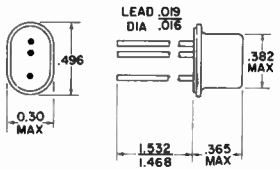
12A



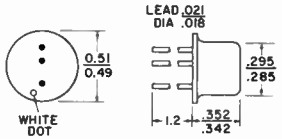
12B



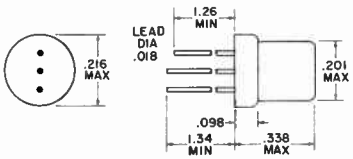
12C



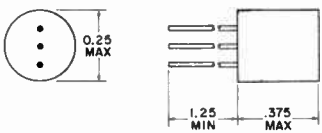
31A



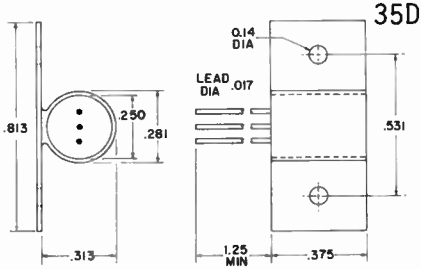
35B



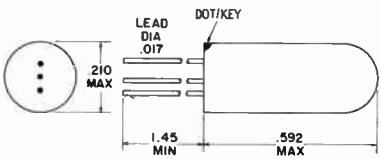
35C



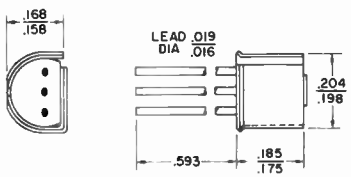
35D



35E



42A



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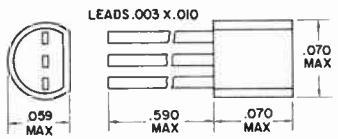
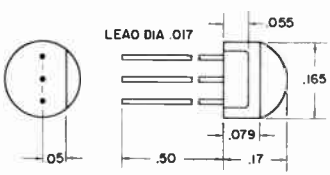


43B



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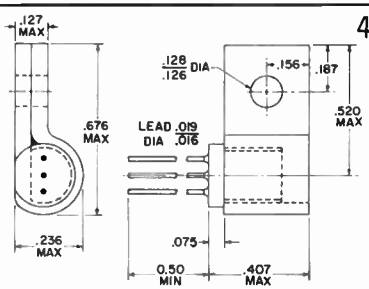

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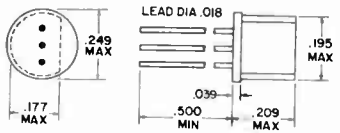

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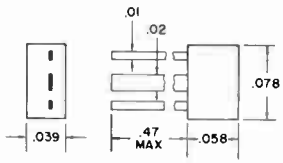

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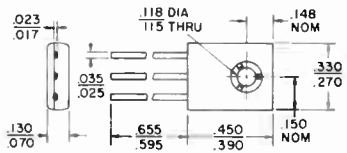

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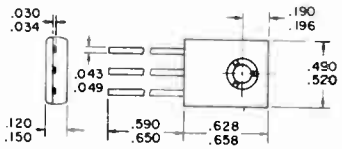

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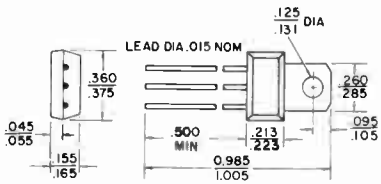

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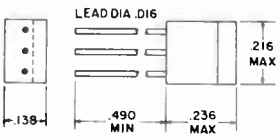

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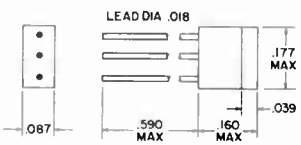

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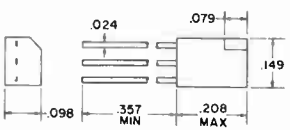

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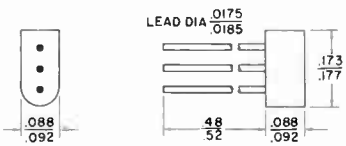

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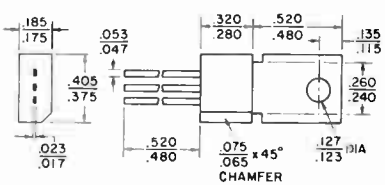

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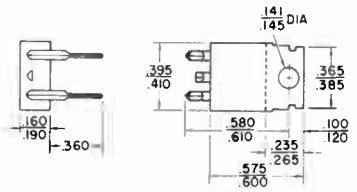

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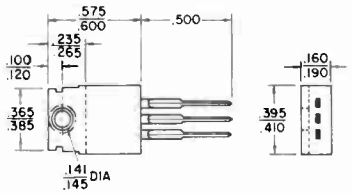

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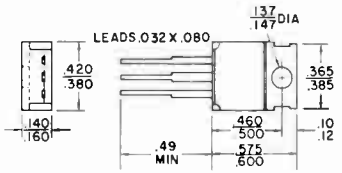

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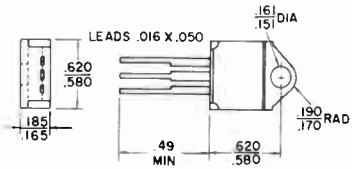

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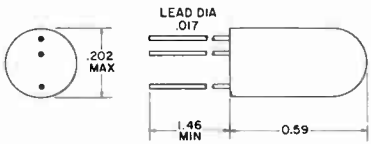

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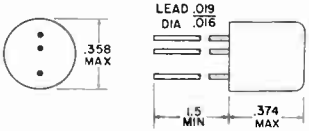

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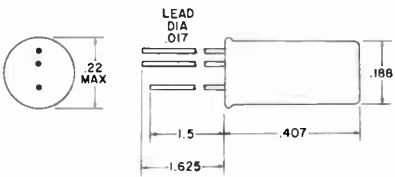

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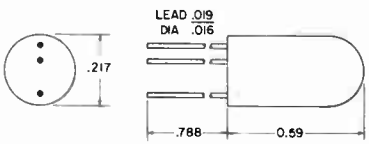

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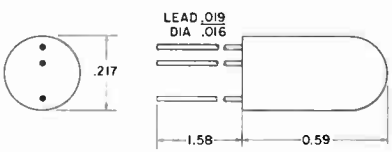

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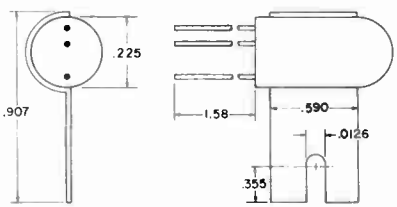

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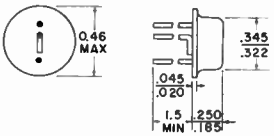

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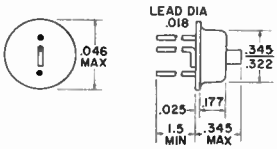

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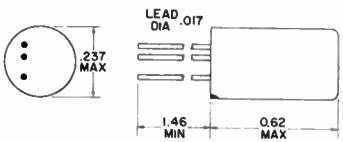

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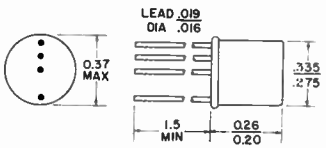

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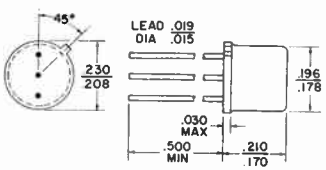

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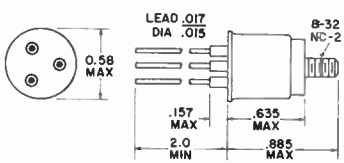

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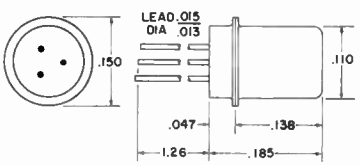

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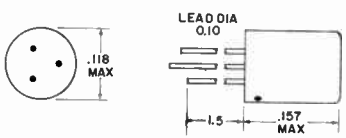

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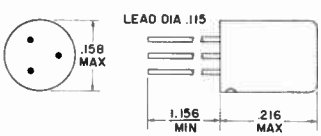

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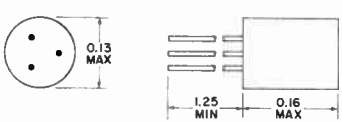

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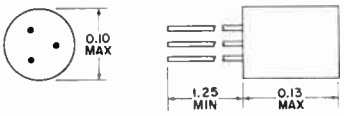

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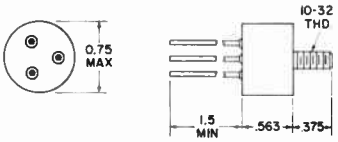
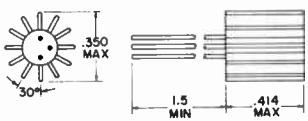
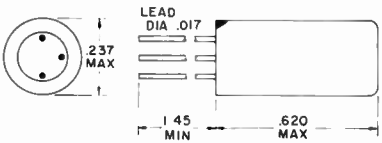


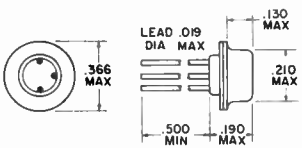
120F



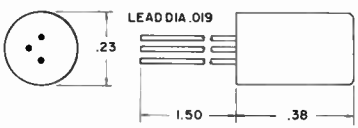
120G



120H



120J



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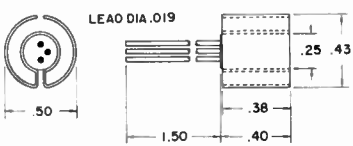
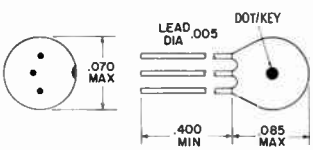


132A



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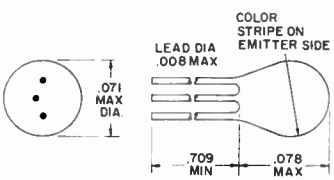
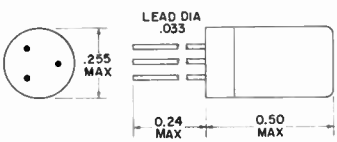


146C



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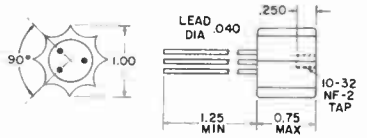
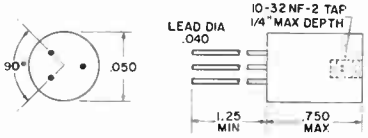


148B



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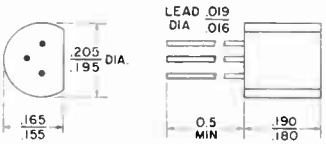

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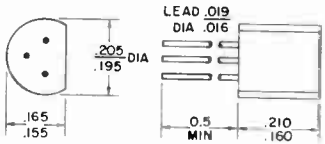
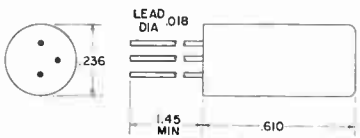


169B



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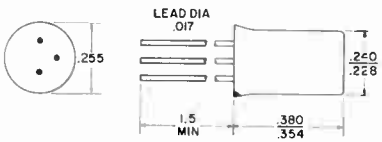

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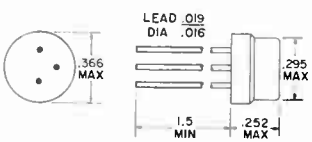

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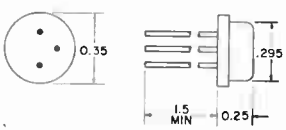
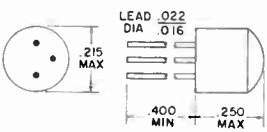
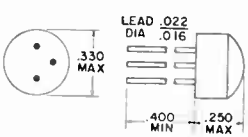


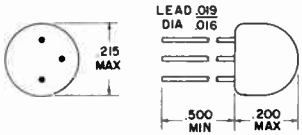
170F



170G



170H



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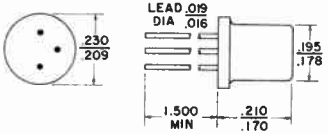

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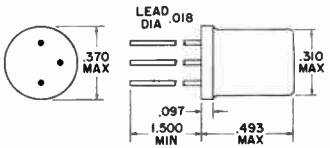
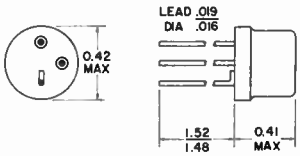


171A



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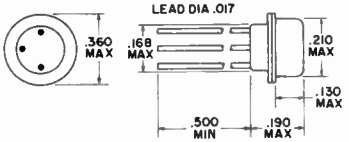

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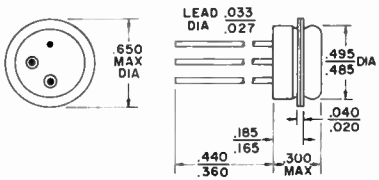
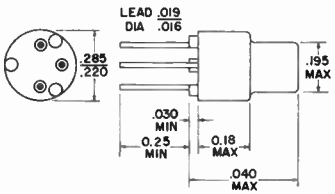
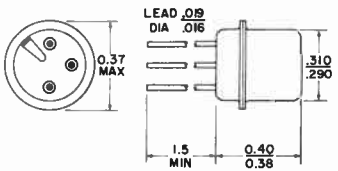


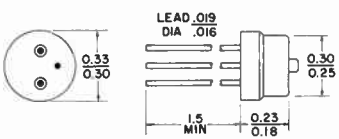
171S



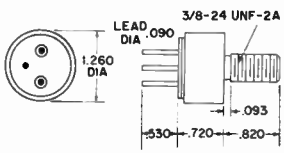
172A



172D



172E



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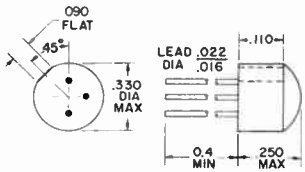

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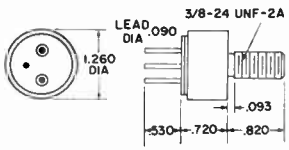

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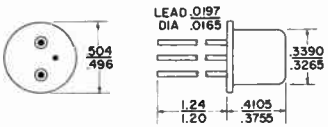

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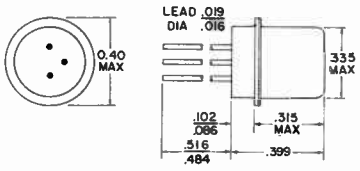
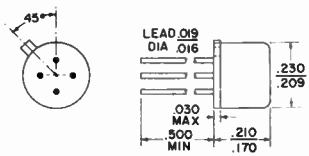


193A



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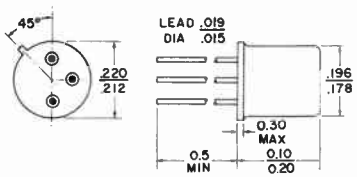
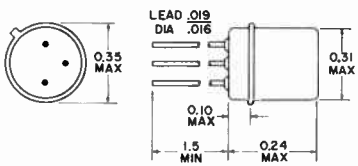
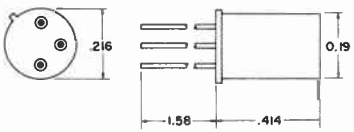


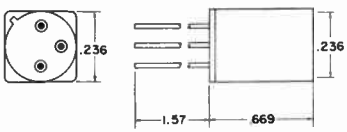
210B



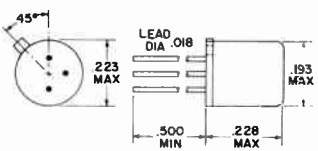
210C



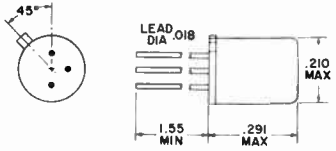
210D



210G



210H



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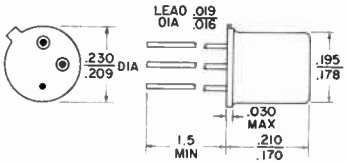

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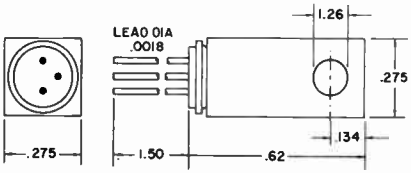

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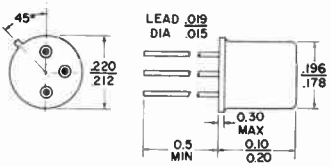

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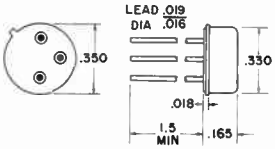

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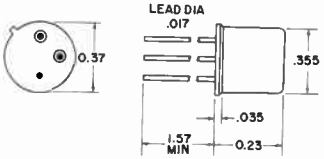

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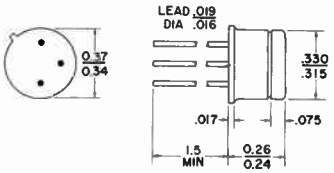

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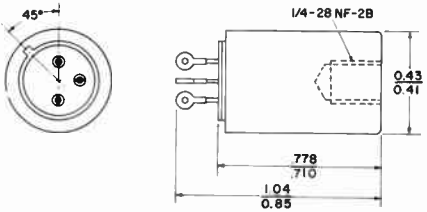

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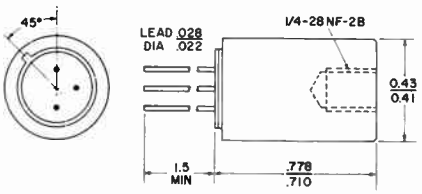

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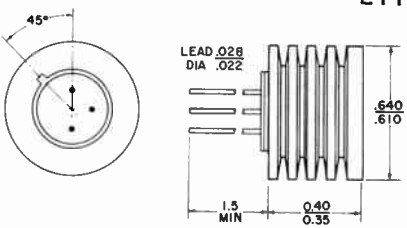

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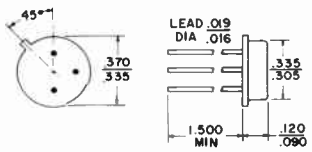

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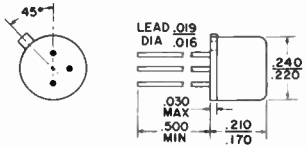

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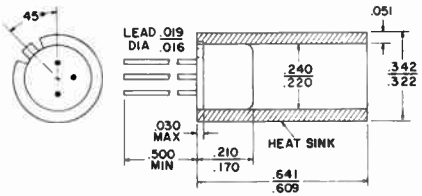

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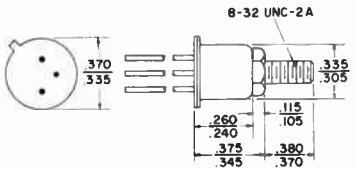

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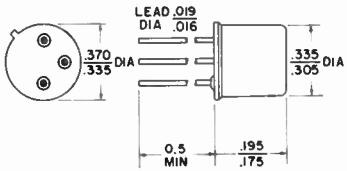

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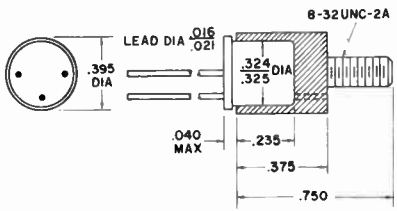

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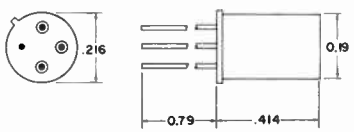

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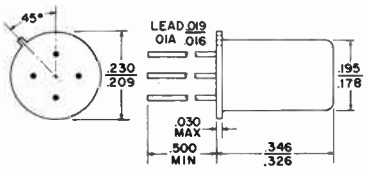

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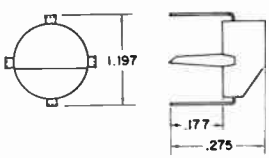

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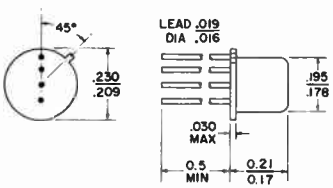

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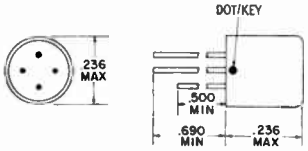

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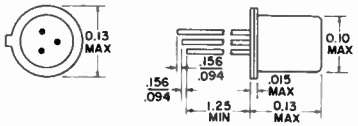

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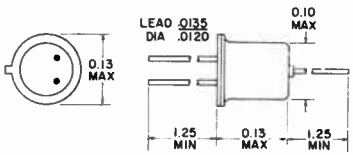

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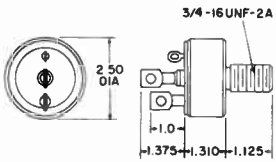

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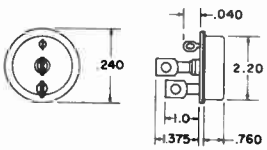

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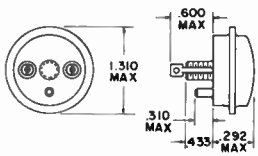

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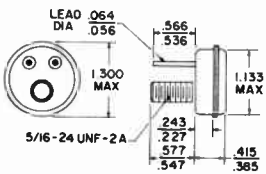

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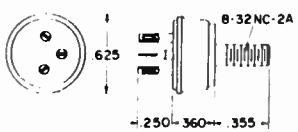

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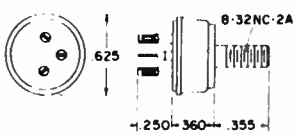

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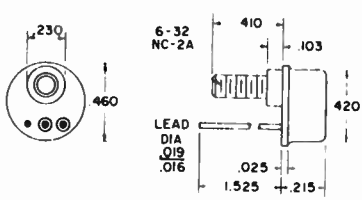

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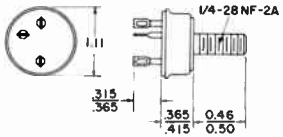

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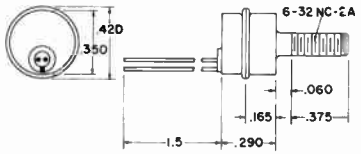

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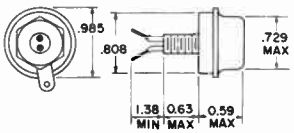

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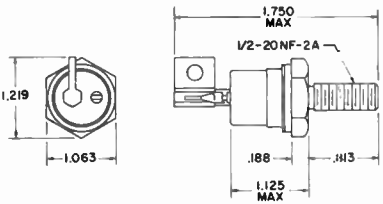

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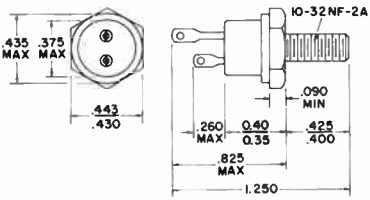

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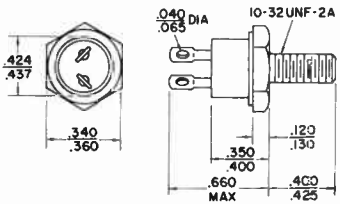

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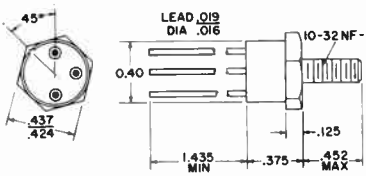
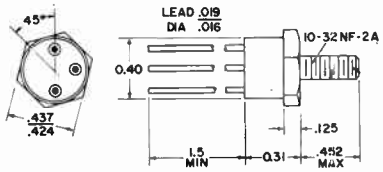


530B



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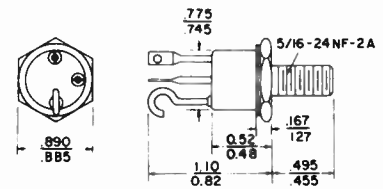
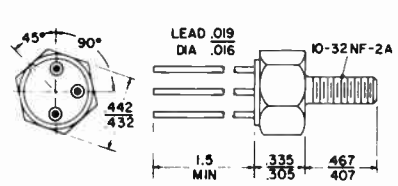


536H



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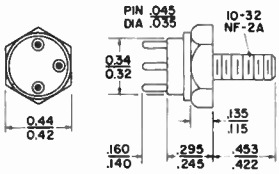

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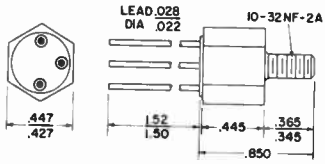

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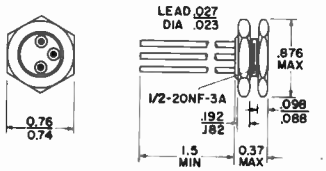

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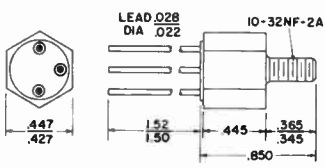

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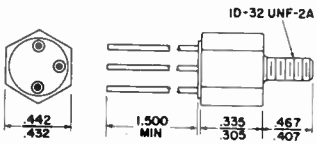

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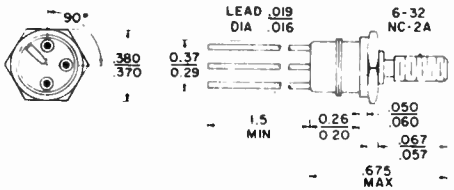

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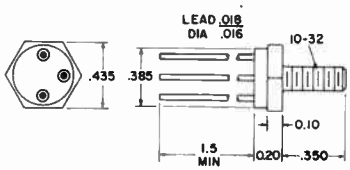
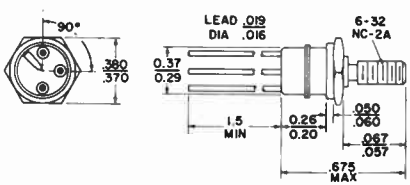


546C



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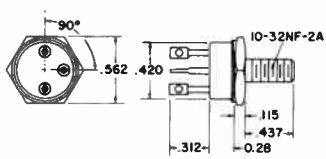

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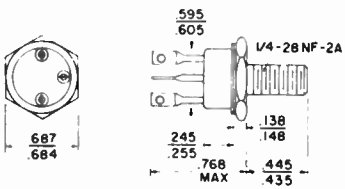

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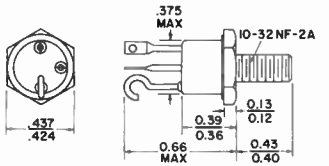

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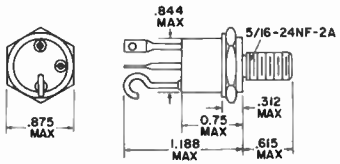

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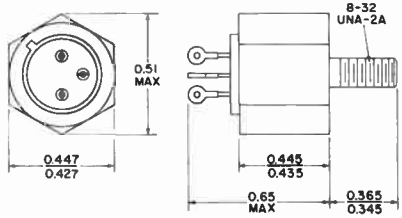

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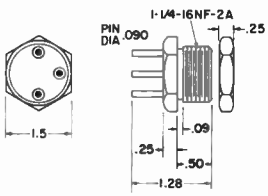

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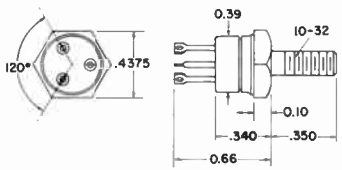

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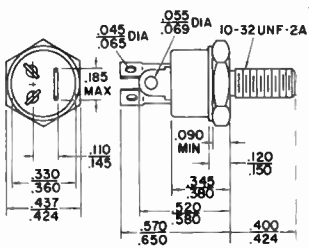

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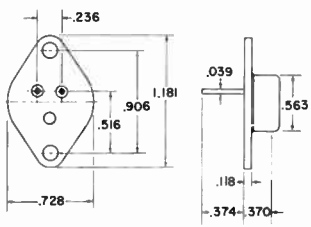

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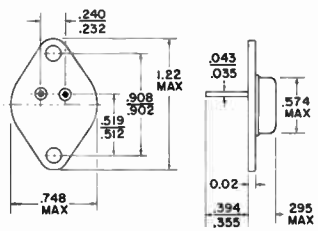

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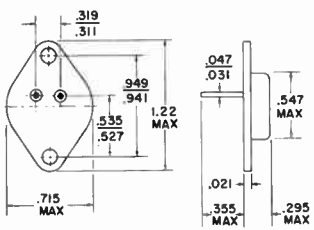

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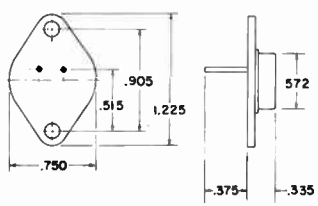

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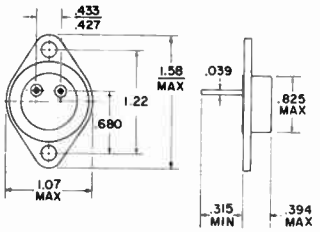

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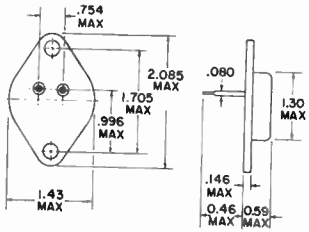

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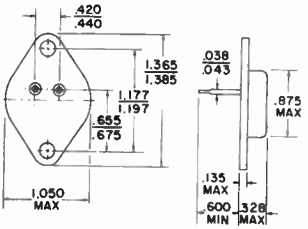

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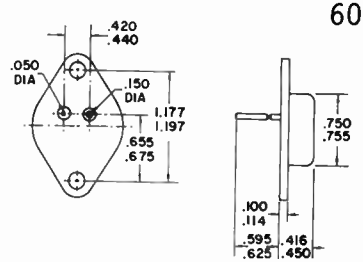

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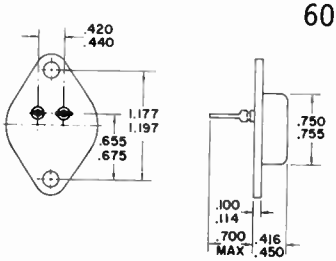

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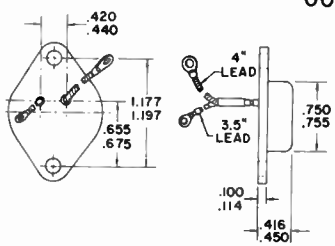

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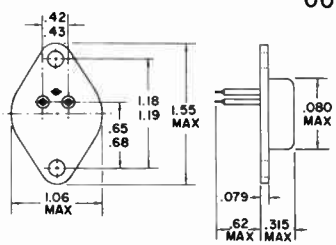

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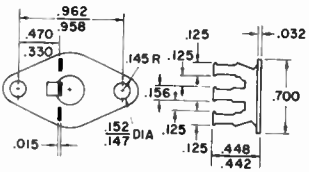

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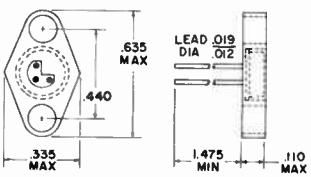

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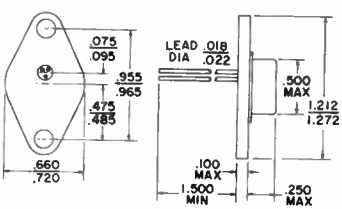

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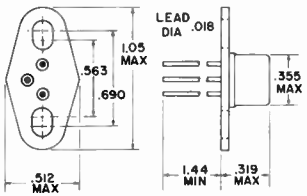

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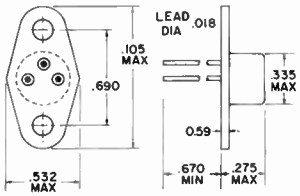

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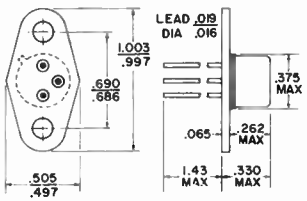

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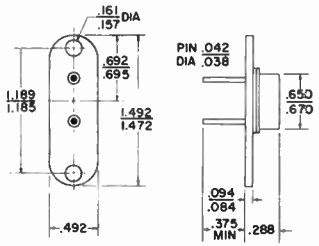

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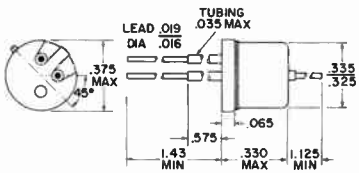

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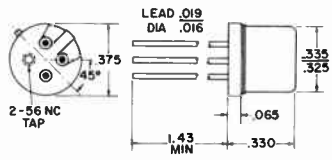

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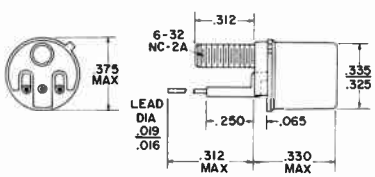

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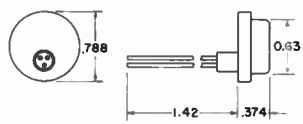

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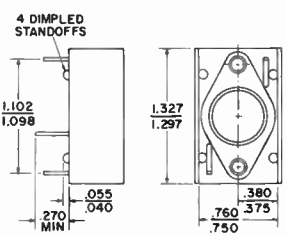

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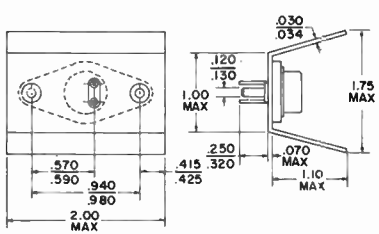

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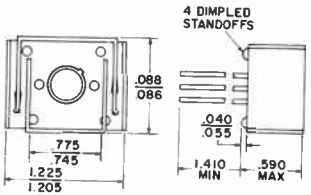

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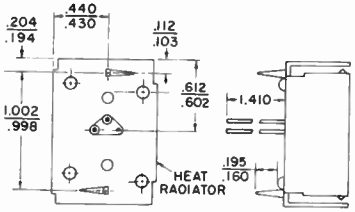

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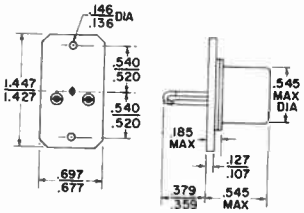

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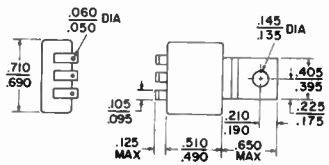

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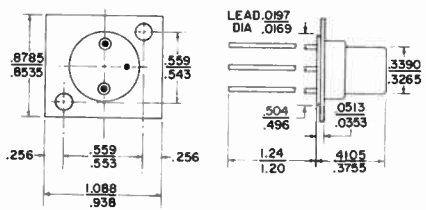

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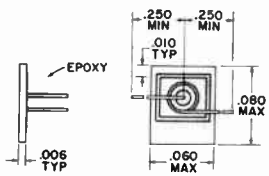

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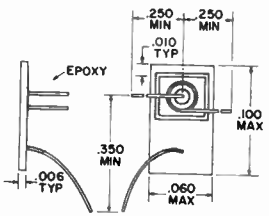

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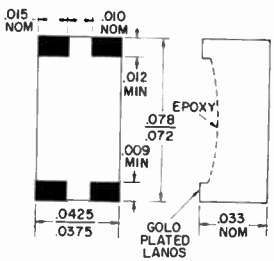

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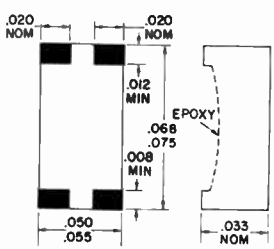

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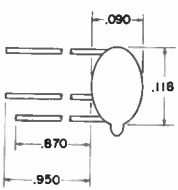

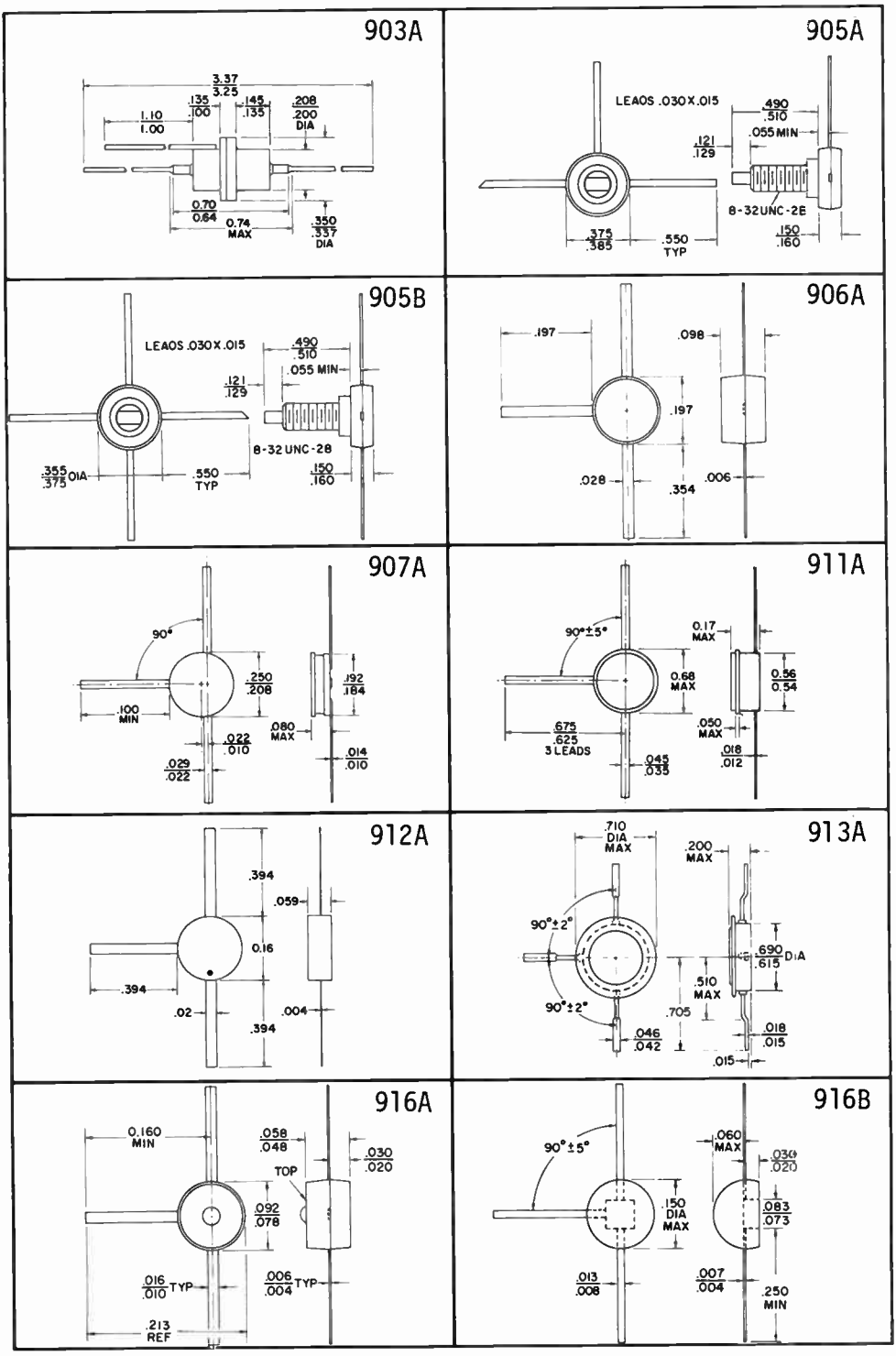
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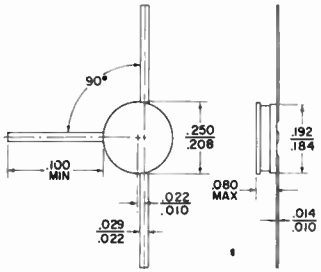

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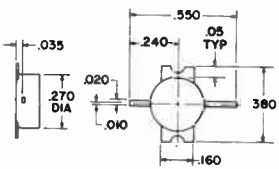

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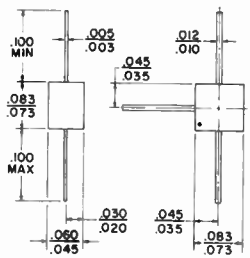

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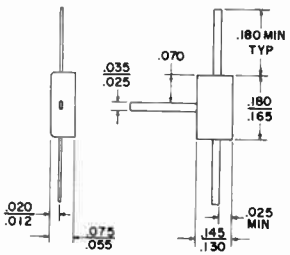

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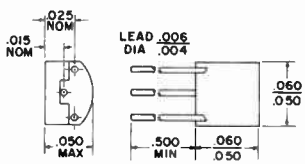

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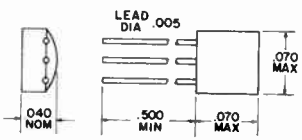

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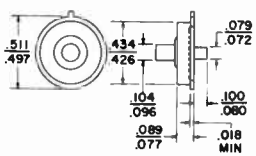

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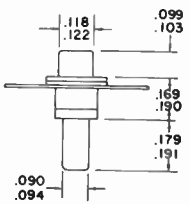

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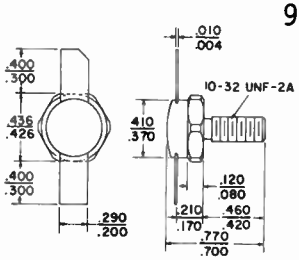

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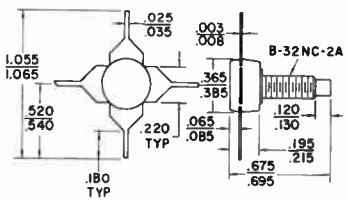

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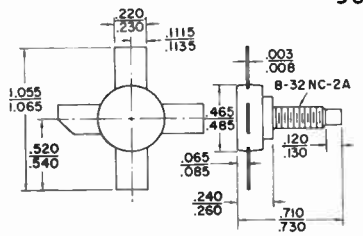

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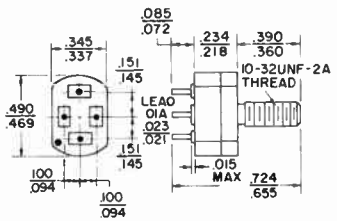

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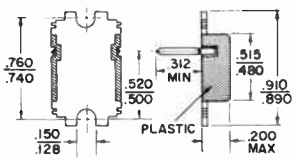

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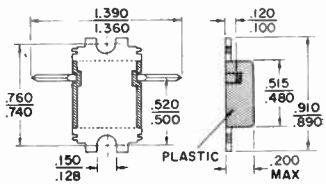

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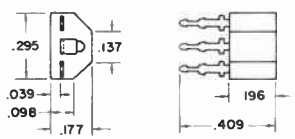

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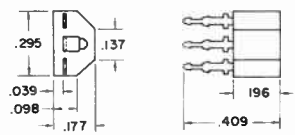


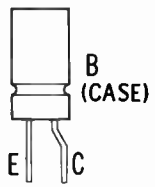
Lead and Terminal Identification

Identification of the leads or terminals of a semiconductor device is necessary before it can be connected into a circuit. A quick review of this section will show that it is nearly impossible to memorize which lead is the emitter, base, or collector.

Every transistor in this manual has a Lead Ident. number that corresponds to one of the diagrams in this section. These diagrams show the physical arrangement of the leads and terminals and identify each one as emitter "E", base "B", collector "C", or CASE. When the terminal is connected to both semiconductor and case, the designation shows both connections. For example, B(CASE) indicates that the base and the case are connected together. This is often ignored (but should not be) when a transistor is considered for inclusion in a circuit. Any one of the three terminals (E, B, or C) can be connected to the case; if the wrong terminal is so connected in some circuits, the frequency response can be affected. Also, this may place the case at the wrong potential, and an accidental short may destroy the transistor.

It is essential to check the terminals of the transistor carefully, and to be sure they are identified correctly, before the transistor is connected in the circuit.

1



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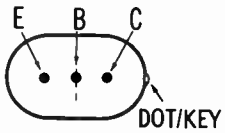

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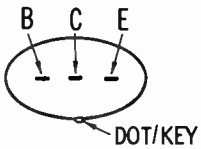

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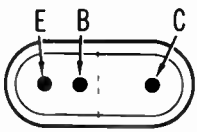

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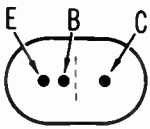

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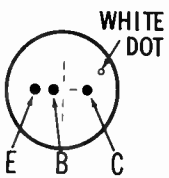

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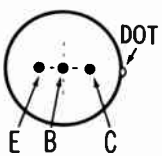

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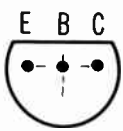

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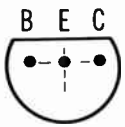

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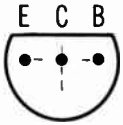

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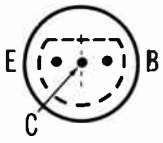

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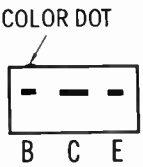

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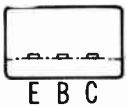

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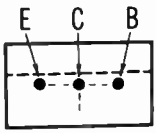

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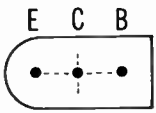

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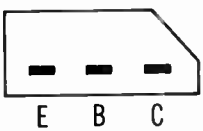

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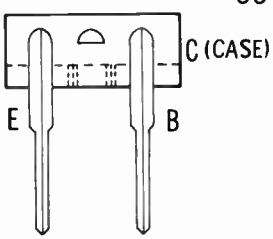

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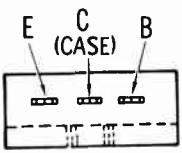

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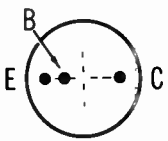

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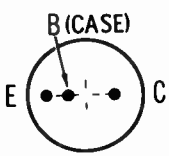

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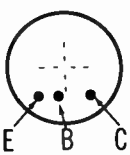

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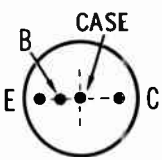

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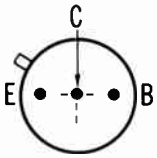

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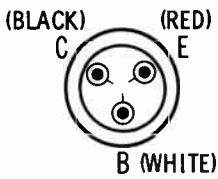

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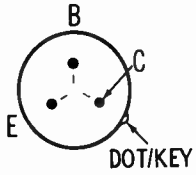

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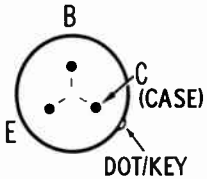

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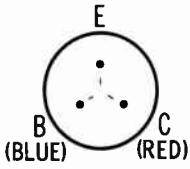

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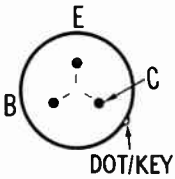

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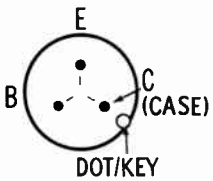

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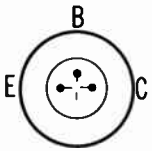

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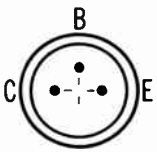

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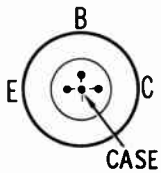

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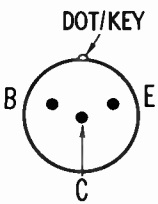

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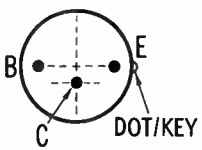

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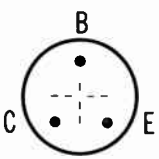

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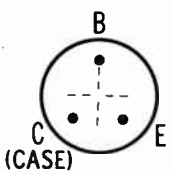

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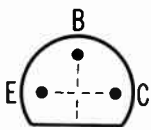

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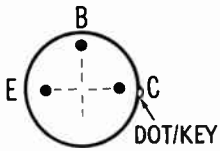

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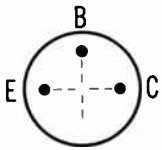

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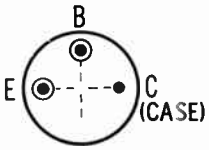

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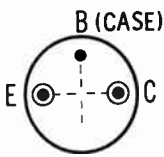

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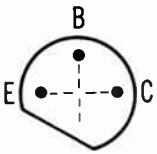

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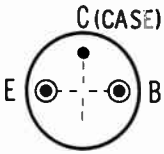

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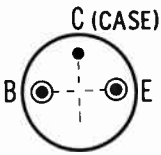

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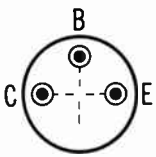

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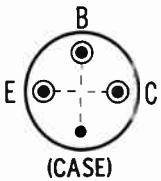

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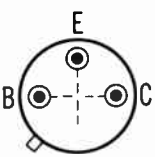

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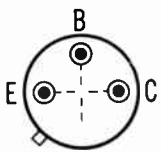

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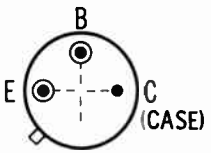

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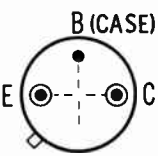

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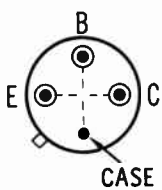

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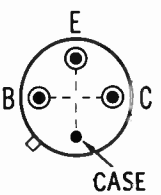

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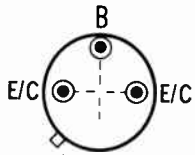

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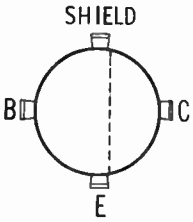

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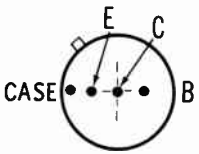

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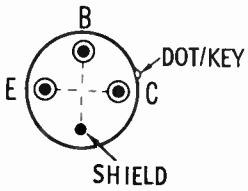

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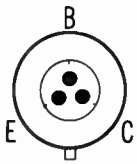

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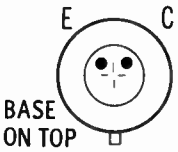

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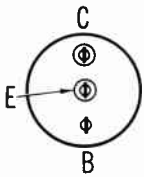

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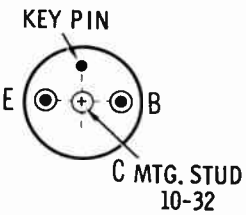

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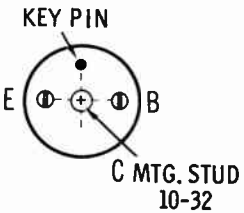

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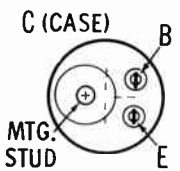

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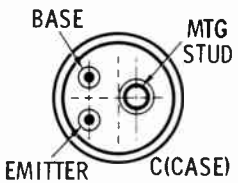

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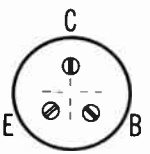

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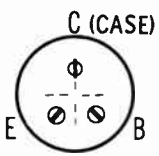

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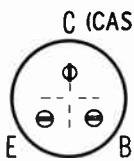

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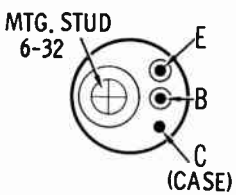

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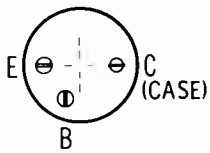

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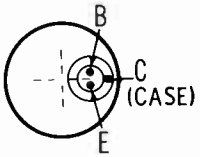

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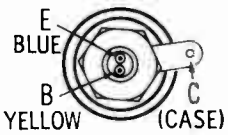

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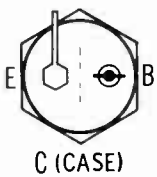

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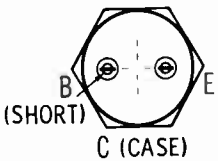

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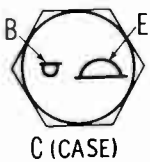

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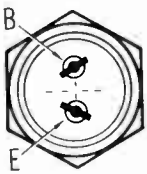

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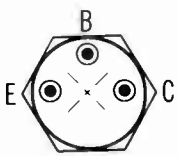

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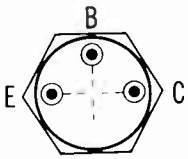

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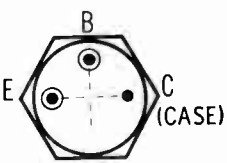

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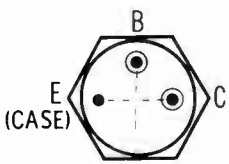

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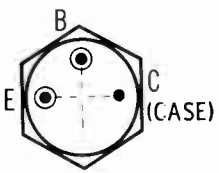

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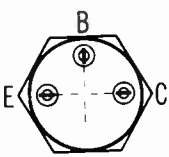

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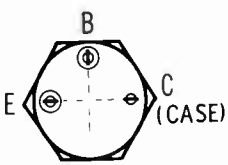

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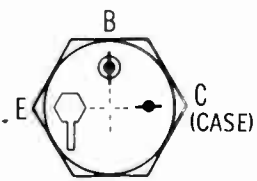

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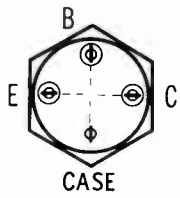

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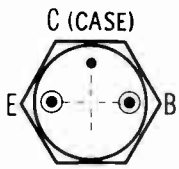

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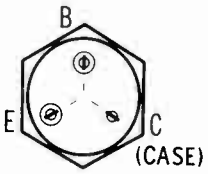

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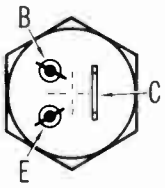

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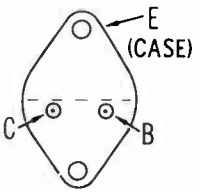

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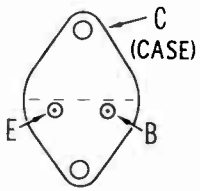

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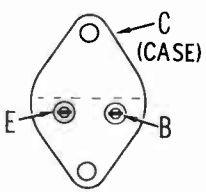

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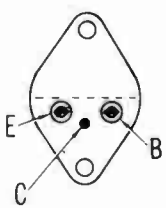

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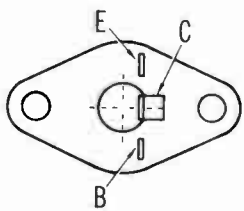

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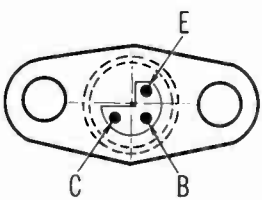

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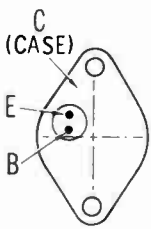

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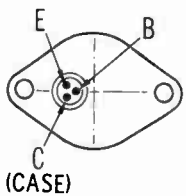

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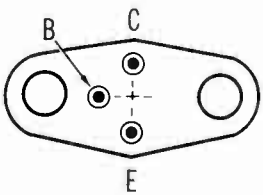

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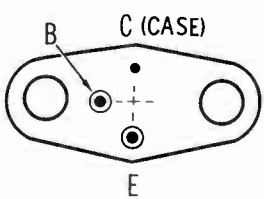

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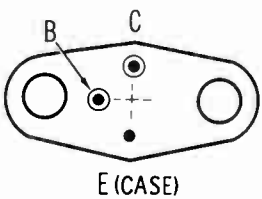

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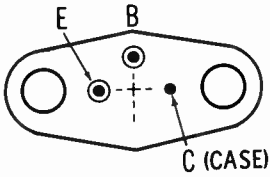

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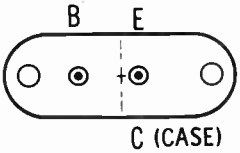

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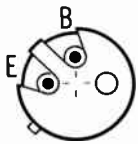

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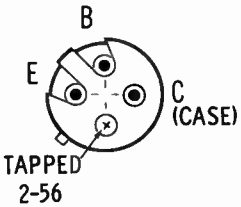

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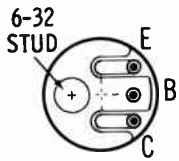

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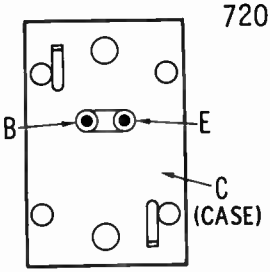

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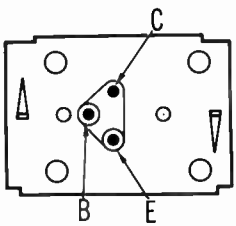

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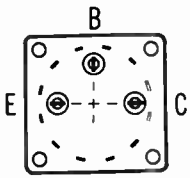

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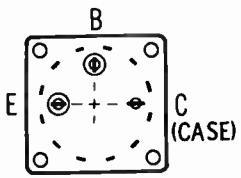

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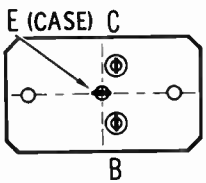

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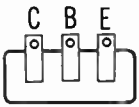

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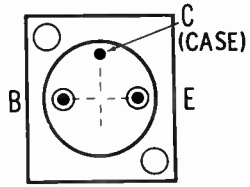

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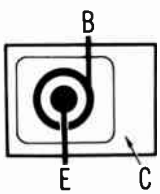

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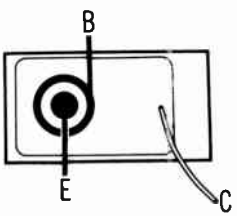

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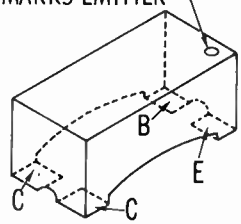

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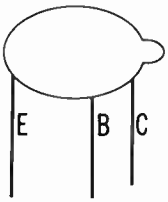

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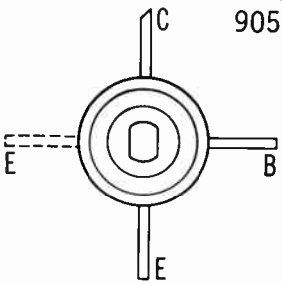

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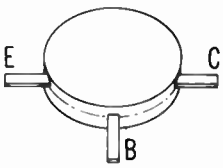

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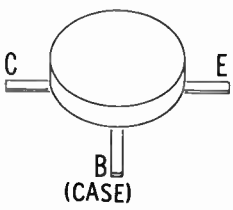

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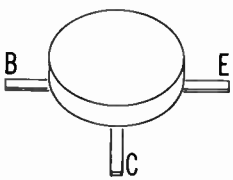

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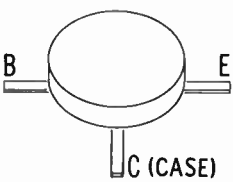

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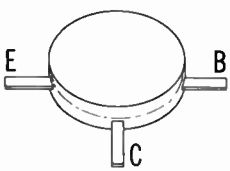

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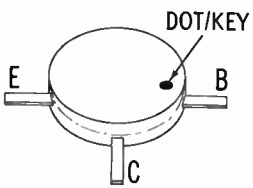

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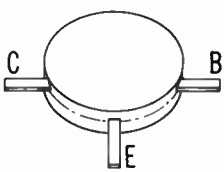

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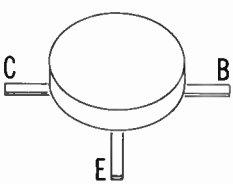

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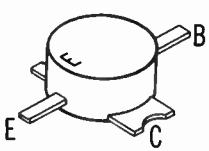

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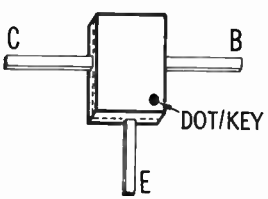

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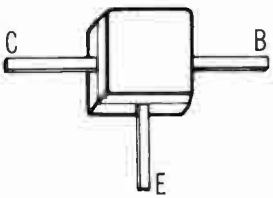

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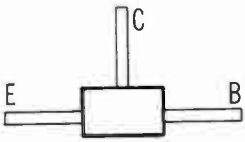

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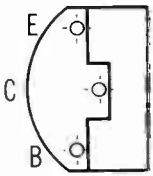

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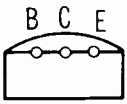

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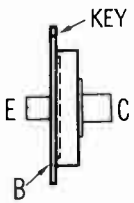

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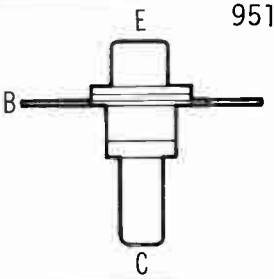

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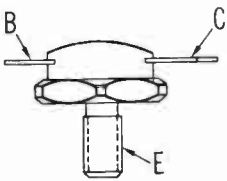

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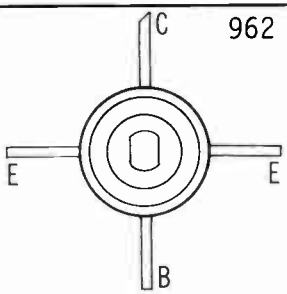

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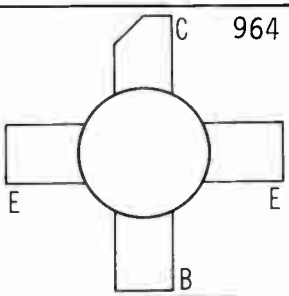

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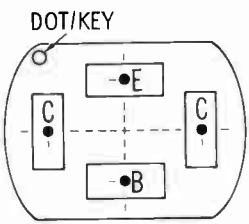

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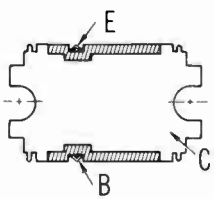

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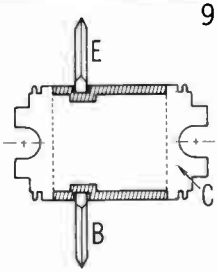

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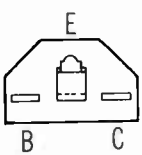

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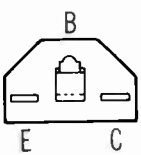

Key to Manufacturers

AEI — Associated Electrical Industries (England)
AMC — Amelco Semiconductor Division, Teledyne, Inc.
AMF — American Machine & Foundry Co., Leland Airborne Products Div.
AMP — Amperex Electronics Corp.
ARV — Arvin Industries
BEN — Bendix Corp., Semiconductor Div.
CBS — CBS Electronics
CSF — Compagnie Generale de T.S.F. (France)
CLE — Clevite Transistor Corp.
DEL — Delco Radio Div., General Motors Corp.
EBA — Ebauches S.A. (Switzerland)
ETC — Electronics Transistor Corp.
FSC — Fairchild Semiconductor Div., Fairchild Camera and Instrument Corp.
GEC — General Electric Co., Semiconductor Products Dept.
GIC — General Instrument Corp., Semiconductor Products Group
GPC — Germanium Products Co.
GTC — General Transistor Corp.
HIT — Hitachi Ltd. (Japan)
HUG — Hughes Aircraft Co., Microelectronics Div.
IMG — Intermetall (Germany)
INR — International Rectifier
ITC — Industro Transistor Corp.
ITT — ITT Semiconductors
MAT — Matsushita Electronics Corp. (Japan)
MHR — Honeywell, Military Products Group
MOT — Motorola Semiconductor Products, Inc.
MUL — Mullard Overseas Ltd. (England)
NSC — National Semiconductor Corp.
NEC — Nippon Electric Co. Ltd. (Japan)
NKT — Newmarket Transistors Ltd. (England)
OKI — OKI Electric Industry Co., Ltd. (Japan)
OLS — Olson Electronics, Inc.
PHF — Philco-Ford Corp.
PHN — Phillips Gloelamperfabrieken (Netherlands)
RAD — La Radiotechnique (France)
RAY — Raytheon Co., Semiconductor Div.
RCA — Radio Corporation of America, Electronic Components & Devices
SAN — Tokyo Sanyo Electric Co., Ltd. (Japan)
SEJ — Shindengen Electric Manufacturing Co., Ltd. (Japan)
SEM — Semitronics Corp.
SES — Societe Europienne des Semiconducteurs (France)
SIH — Siemens and Halske Aktiengesellschaft (Germany)
SOL — Solitron Devices, Inc.
SON — Sony Corp. (Japan)
SPC — Solid Power Corp.
SPR — Sprague Products Co.
SSD — Sperry Semiconductor
SSP — Solid State Products, Inc.
STB — Standard Telephone & Cables (England)
STC — Silicon Transistor Corp.
SYL — Sylvania Electric Products Inc., Semiconductor Div.
TAD — Tadiran (Israel)
TEC — Transitron Electronic Corp.
TFK — Telefunken Gmbh. (Germany)
TII — Texas Instruments, Inc.
TOS — Toshiba America, Inc.
TRW — TRW Semiconductors, Inc.
TSE — Tung-Sol Electric, Inc.
WHE — Westinghouse Electric Corp., Semiconductor Div.
WTV — Workman Electronic Products, Inc.
ZEN — Zenith Radio Corp.

TRANSISTOR SPECIFICATIONS MANUAL

FOURTH EDITION

Anyone who works with transistors is familiar with the difficulties involved in locating electrical and physical data for a specific type. Unless the manufacturer is known and his published information is available, a long, and possibly fruitless, search can result. This manual has been compiled in order to alleviate these problems. It lists the electrical and physical parameters, along with the manufacturers of nearly ten thousand transistor types.

For each bipolar transistor in this manual there is given the polarity (npn or pnp), maximum applied voltages (C_{CB}, V_{CE}, V_{EB}), power dissipation, collector current (I_c), operating frequency (f_{ab}, f_{ae}, f_{esc}, or f_t), collector cutoff current (I_{CBO}), and d-c current gain (h_{FE}), A new, separate listing of rf-power transistors includes design frequency, power output, power gain, and collector efficiency in addition to most of the other information. All EIA-registered TO outlines are shown. Where a nonstandard case is used, a dimensioned drawing is provided in a separate section. Transistors are keyed to diagrams that indicate the physical position of the emitter, collector, and base terminals. If there is an internal connection to the case, this is noted.

The manufacturers of each transistor type are shown. Where available information indicates that the type is no longer being made, the last known manufacturer is provided, and that transistor type is marked obsolete.

A large quantity of information has been condensed into this *Transistor Specifications Manual* so you can find quickly what you need to know about nearly any transistor.

HOWARD W. SAMS & CO., INC.
THE BOBBS-MERRILL CO., INC.

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