Electronic TUBE

HAM DATA

Prices Effective September 4, 1948

HAM TUBE RATINGS AND PRICES

This is the new G-E Ham Transmitting Tube reference booklet. In it will be found data which will enable you to choose the proper tubes for the new rig, or to assist in getting present tubes operating properly.

Pages 1, 2, and 3 contain data on General Electric Ham Tube Types. Page 4 includes basing diagrams for all these types. If characteristic curves would be of further assistance in rig design or if you have any other circuit problems, write to me in care of General Electric Co., Schenectady, New York, Tube Sales Promotion Section, Building No. 267, Room No. 207.

73,
Lighthouse Larry

RECTIFIERS

TYPE NUMBER	PRICE	FILAMENT (VOLTS) (AMPS)	TYPICAL OPERATING CONDITIONS △ FULL-WAVE CIRCUIT, CHOKE INPUT		
			A-c Volts, Plate to Plate	D-c Output Volts (Approx)	D-c Output Current
5R4-GY	$1.50	5.0 2.0	1500 1900	550 750	0.250 0.175
GL-816	1.30	2.5 2.0	3500	1570	0.250
GL-866-A	1.95	2.5 5.0	1410 7070	635 3180	1.0 0.5
GL-872-A	8.20	5.0 7.5	7070	3180	2.5
GL-8008	8.20	5.0 7.5	7070	3180	2.5

△For two tubes, except 5R4-GY, which is a full-wave tube.

VACUUM CAPACITORS

Capacitance uuf	7.5 KV CCS (9.0 KV ICAS)		16 KV CCS (20 KV ICAS)	
	Type	Price	Type	Price
6	GL-1L32	$12.50	GL-1L31	$14.00
12	GL-1L21	12.50	GL-1L25	14.00
25	GL-1L36	12.50	GL-1L22	14.00
50	GL-1L38	12.50	GL-1L23	14.00
100	GL-1L33	15.00	GL-1L24	16.50

LIGHTHOUSE TUBES

TYPE	PRICE	TYPICAL OPERATION—CW OSCILLATOR				
		Frequency, Megacycles	Plate Voltage, Volts	Plate Current, Milliamperes	Plate Dissipation, Watts	Power Output, Watts, approx.
GL-2C40	$14.50	3370	250	20	...	0.075
GL-2C43	11.00	350	360	28	5.3	4.7

G-E Tubes for Ama

Type Number	Amateur Net Price	Cathode (Volts) (Amps)	Inter-electrode Cap (uuf) C gp C in C out	Max Freq for Max Plate Input (Mc)	TYPICAL OPERATING CONDITIONS CW = Class C Telegraphy; Phone = Class C Plate Modulated MOD = Class B Audio Frequency (Two Tubes)								
					Class	Plate Dissipation (Watts) *	Plate Voltage (Volts)	Plate Current (Ma)	Plate Input (Watts)	Grid Voltage (Volts)	Plate to Plate Impedance (Ohms)	Driving Power (Watts)	Power Output (Watts)
GL-2E24	$5.10	6.3 0.65	0.11 8.5 6.5	125	CW Phone	13.5 9.0	600 500	66 54	40 27	−50 −45	....	0.21 0.16	27 18
GL-2E26	3.85	6.3 0.8	0.20 13 7	125	CW Phone Mod**	10.0 9.0	500 500 500	60 54 150	30 27 37.5	−40 −50 −15	 8,000	0.15 0.15 0.36	20 18 54
GL-4D21/ 4-125A	27.50	5.0 6.5	0.05 10.8 3.1	120	◉CW ◉Phone ◉Mod**	125 85	3000 2500 3000	167 152 260	500 380 780	−150 −210 −51	 27,700	2.5 3.3 2.5	375 300 530
GL-5D24	37.50	5.0 14.1	0.06 12.7 4.5	85	◉CW ◉Phone	250 177	3000 2800	310 265	930 742	−200 −400	....	5.6 11	680 565
GL-35T	9.50	5.0 4.0	1.8 4.1 0.3	100	CW Phone Mod	50 33	2000 2000 2000	125 84 167	250 168 334	−135 −150 −40	 27,500	13 6 4	200 135 235
GL-100TH	16.50	5.0 6.3	2.0 2.9 0.4	....	CW Phone Mod	100 67	3000 3000 3000	165 122 215	495 366 645	−200 −275 −65	 31,000	18 11 5	400 305 450
GL-203A	13.75	10.0 3.25	14.5 6.5 5.5	15	CW Phone Mod	57.5 50	1250 1000 1250	150 150 320	187.5 150 400	−125 −135 −40	 9,000	7 14 11	130 100 260
GL-211	13.75	10.0 3.25	14.5 6 5.5	15	CW Phone Mod	57.5 50	1250 1000 1250	150 150 320	187.5 150 400	−225 −260 −95	 9,000	7 14 8	130 100 260
GL-592	34.00	10.0 5.0	3.3 3.6 0.41	110	◉CW ◉Phone	175 95	2600 2500	230 158	600 395	−240 −360	....	18 19	425 300
GL-802	4.75	6.3 0.9	0.15 12 8.5	30	CW Phone	10 8	600 500	55 40	33 20	−120 −140	....	0.3 0.1	23 12
GL-803	24.25	10.0 5.0	0.15 17.5 29	20	CW Phone	110 85	2000 1600	160 150	320 240	−90 −80	....	2 4	210 155
GL-805	13.50	10.0 3.25	6.5 8.5 10.5	30	CW Phone Mod	85 60	1500 1250 1500	200 160 400	300 200 600	−105 −160 −15	 8,200	8.5 16 7	215 140 370
GL-806	34.25	5.0 9.5	4.0 5.5 0.4	30	CW Phone Mod	210 125	3300 3000 3300	300 195 475	990 585 1568	−600 −670 −240	 16,000	34 24 35	780 460 1120
GL-807	2.50	6.3 0.9	0.2 11 7	60	CW Phone	25 17.5	750 600	100 100	75 60	−45 −90	....	0.2 0.4	50 42.5
GL-810	14.50	10.0 4.5	4.8 8.7 12	30	CW Phone Mod	145 115	2250 1800 2250	275 250 450	620 450 1012	−160 −200 −60	 11,600	12 17 13	475 335 725
GL-811	3.30	6.3 4.0	5.5 5.5 0.6	60	CW Phone Mod	55 36	1500 1250 1500	150 125 200	225 156 300	−113 −125 0	 18,000	8 11 4.2	170 120 225
GL-812A	4.05	6.3 4.0	5.3 5.3 0.8	60	CW Phone Mod	55 36	1500 1250 1500	150 125 200	225 156 300	−175 −125 −46	 18,000	6.5 6.0 4.7	170 120 225
GL-813	16.00	10.0 5.0	0.2 16.3 14	30	CW Phone Mod**	120 100	2250 2000 2500	220 200 360	495 400 900	−155 −175 −95	 17,000	4.0 4.3 0.35	375 300 650

◉Forced-air cooling may be required *Per tube (approx) **Class AB-2
† Filaments may also be used in series at twice the voltage and half the current

Electronic Tubes of All T

ur Radio Applications

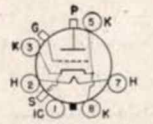
Type Number	Amateur Net Price	Cathode (Volts) (Amps)	Inter-Electrode Cap (uuf) C gp C in C out	Max Freq for Max Plate Input (Mc)	TYPICAL OPERATING CONDITIONS CW = Class C Telegraphy; Phone = Class C Plate Modulated MOD = Class B Audio Frequency (Two Tubes)								
					Class	Plate Dissipation (Watts) *	Plate Voltage (Volts)	Plate Current (Ma)	Plate Input (Watts)	Grid Voltage (Volts)	Plate to Plate Impedance (Ohms)	Driving Power (Watts)	Power Output (Watts)
GL-814	$14.25	10.0 3.25	0.15 13.5 13.5	30	CW Phone	65 50	1500 1250	150 144	225 180	−90 −150	....	1.5 2.0	160 130
GL-815	6.90	6.3† 1.6	0.2 14 8.5	150	CW Phone	19 15	500 400	150 150	75 60	−45 −45	....	0.18 0.16	56 45
GL-826	12.50	7.5 4.0	2.9 3.7 1.4	250	CW Phone	39 22	1000 800	125 94	125 75	−70 −98	....	5.8 6.2	86 53
GL-828	13.75	10.0 3.25	0.05 13.5 14.5	30	CW Phone	70 50	1500 1250	180 160	270 200	−100 −140	....	2.2 2.7	200 150
GL-829B	16.25	6.3† 2.25	0.1 14.5 7.0	200	CW Phone	33 20	750 600	160 150	120 90	−55 −70	....	0.8 0.9	87 70
GL-832A	11.75	6.3† 1.6	0.05 7.5 3.8	200	CW Phone	10 4.6	750 600	48 36	36 21.6	−65 −65	....	0.19 0.16	26 17
GL-837	4.75	12.6 0.7	0.2 16 10	20	CW Phone	8 7	500 400	60 45	30 18	−75 −40	....	0.4 0.3	22 11
GL-838	13.75	10.0 3.25	8 6.5 5	30	CW Phone Mod	57.5 50	1250 1000 1250	150 150 320	187.5 150 400	−90 −135 0	 9,000	6 16 7.5	130 100 260
GL-1613	2.65	6.3 0.7	0.26 6.5 13.5	45	CW Phone	8.5 5.5	350 275	50 42	17.5 11.5	−35 −35	....	0.22 0.15	9 6
GL-1614	2.05	6.3 0.9	0.4 10 12	80	CW Phone	9 7.8	375 325	80 70	30 22.8	−40 −40	....	0.1 0.1	21 15
GL-1619	2.50	2.5 2.0	0.35 10.5 12.5	45	CW Phone	10 7	400 325	75 62	30 20	−55 −50	....	0.36 0.18	20 13
GL-1623	4.05	6.3 2.5	6.7 5.7 0.9	60	CW Phone Mod	25 20	1000 750 1000	100 100 200	100 75 200	−90 −125 −40	 12,000	3.1 4.0 4.2	75 55 145
GL-1624	4.00	2.5 2.0	0.25 11 7.5	60	CW Phone	19 13.5	600 500	90 75	54 37.5	−60 −50	....	0.43 0.25	35 24
GL-1625	2.65	12.6 0.45	0.2 11 7	60	CW Phone Mod**	25 17.5	750 600 750	100 100 240	75 60 180	−45 −90 −32	 6,960	0.2 0.4 0.5	50 42.5 120
GL-8000	14.50	10.0 4.5	6.4 5.0 3.3	30	CW Phone Mod	175 120	2500 2000 2250	300 250 450	750 500 1012	−240 −370 −130	 12,000	18 20 7.9	575 380 725
GL-8005	7.40	10.0 3.25	5 6.4 1	60	CW Phone Mod	80 70	1500 1250 1500	200 190 310	300 238 465	−130 −195 −70	 10,000	7.5 9 4	220 170 300
GL-8012-A	15.50	6.3 1.92	2.5 2.7 0.4	500	CW Phone	15 10	1100 800	50 40	50 32	−90 −105	....	1.6 1.4	35 22
GL-8025-A	10.00	6.3 1.92	3.0 2.7 0.4	500	CW Phone		1000 800	50 40	50 32	−90 −105	....	1.6 1.4	35 22

◉Forced-air cooling may be required *Per tube (approx.) **Class AB-2
† Filaments may also be used in series at twice the voltage and half the current

pes for the Radio Amateur

SOCKET CONNECTIONS

(Bottom View)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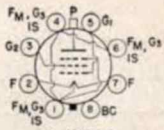
(NOTE-1)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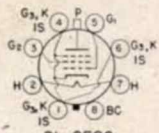
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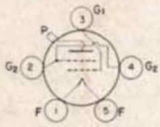
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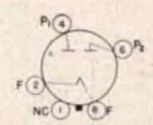
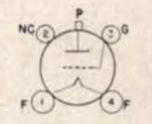
GL-5D24


5R4-GY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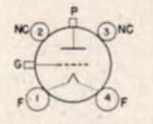
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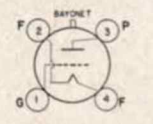
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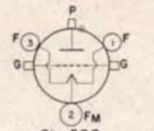
GL-838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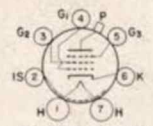
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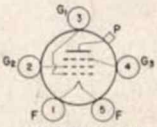
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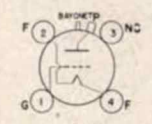
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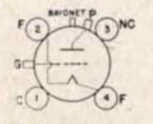
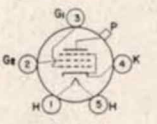

GL-806 GL-810
GL-8000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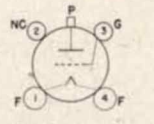
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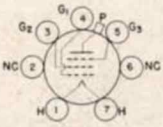
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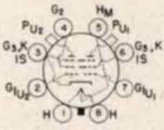
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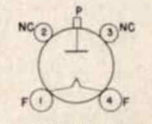
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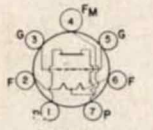
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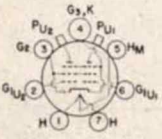
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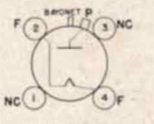
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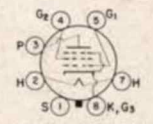
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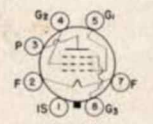
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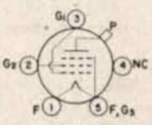
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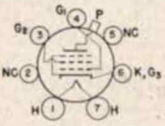
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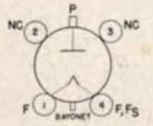
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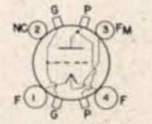
GL-8012-A GL-8025-A
(NOTE-2)

Key: BC—Base sleeve; F—Filament; F_m—Filament center-tap; G—Grid; H—Heater; H_m—Heater center-tap; IC—Internal connection (do not use); IS—Internal shield; K—Cathode; NC—No connection; P—Plate; S—Shell; U—Unit.

Note 1: Shell is cathode r-f terminal.

Note 2: Plate caps are those farthest from base.

Electronics Department

GENERAL ELECTRIC

Schenectady, N. Y.

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