No. 59

- R. F. CHOKES
- LINE FILTERS
- AM COIL KITS
- I. F. TRANSFORMERS
- LINE FILTER CHOKES
- INDUSTRIAL COILS
- SPECIAL I. F. WINDINGS

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CONTENTS

HIGH FIDELITY BROADCAST BAND AM TUNER AND TUNER KIT

Miller No. 595 Tuner

The most amazing High Fidelity Broadcast tuner ever offered to music lovers anywhere. Exceptional tonal quality, selectivity, and sensitivity are the outstanding features of this tuner.

Two high-Q ferrite antenna coils, tuned with a two-gang condenser and coupled together with a special mutual coupling coil, produce a broad tuning characteristic with no sideband cutting. Sensitivity is a neat compromise between being high enough for local stations and low enough to reject spurious signals. The audio response of the tuner is not limited by any design factors. It will faithfully reproduce any signal it receives.

Having no tubes or power supply, the tuner is completely free of hum and tube microphonics. Because of its broad band-pass and absence of tube noise or A.C. hum, the 595 is especially recommended as a companion to an F.M. tuner for High Fidelity Binaural reception.

The 595 may also be used as a selective crystal set in rural areas. With sufficient outside antenna and external ground, signals in excess of 600 miles have been received.

The tuner is available in either an ebony black or ivory bakelite cabinet. For custom installations it may be easily removed from the cabinet.

The No. 595 negative mutual coupled Broadcast band-pass tuner has the following features:

1. No power requirements
2. Selectivity (20KC)
3. Freq. 540 KC-1700 KC
4. No noise
5. Low cost
6. Life time trouble free operation
7. Nothing to cause distortion
8. Gain control
9. Vernier dial
10. Compact (4"x7"x3½" deep)

Cat. No.	Description	NET Price
595	Complete tuner, wired and tested	$19.50

Miller No. 565 Tuner Kit

The Miller #565 tuner kit is the result of masterful engineering and planning. Previously sold only as a factory assembled unit (#595), the tuner received such overwhelming acceptance that we have been prompted to release it in kit form.

This tuner kit will also make a fine deluxe earphone receiver (earphone adapter available as part #2705. Net price $1.20) for children whose parents don't want them playing with electricity and dislike spending money repeatedly for batteries.

Assembly and wiring of the tuner is not difficult. Every precaution has been taken to assist the builder in completing it. The instructions supplied with each unit presume no previous electronic experience. Photographs and "exploded" pictorial views show exact location of parts.

The audio output of the tuner is proportional to the input signal and will vary depending on the power and location of the station and the length of antenna used. Using an outside antenna approximately 75 feet in length, the output varies from about .07 volts to .7 volts for stations within a 25 mile radius. Also a good bet for emergency civil defense use on the two broadcast-band CONELRAD frequencies.

The kit is supplied with all necessary parts and instructions. A beautiful ebony black or ivory cabinet is supplied with each unit.

All parts for the 565 Kit may be purchased separately and will be found listed in the index at the back of this catalog.

Cat. No.	Description	NET Price
565	Tuner Kit	$14.70

Phono Plug Adapter

The 2705 is used to adapt a phono plug to standard pin tips such as are used on test leads and earphones. Provides a convenient means of connecting amplifiers and other audio equipment to test instruments or tuners. Nickel plated brass housing.

Dimensions: 1" diameter x 1½" long.

Cat. No.	Description	List Price
2705	Phono plug to Phone Tip Adapter	$2.00

Ruling (#307), by the Internal Revenue Service, all tuners and tuner kits are subject to a 10% excise tax effective July 5, 1956.

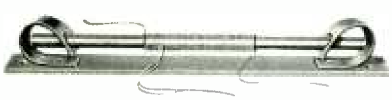
Ferrite Antenna Rods

All rods described below have a secondary which is overcoupled for maximum gain stability with a variation in output load. Designed to match an input impedance of approximately 600 ohms.

These rods can be easily removed from their mounting boards if an alternate method of mounting is desired. Care should be exercised when mounting loops to insure that they are not in close proximity to large metal objects. This precaution will greatly increase loop efficiency.

These rods also make excellent antenna coils for conventional vacuum tube receivers. They offer better signal pickup and increased selectivity over ordinary air loops.

Standard Transistor Antenna Rod



Multi-strand litz wire, wound directly on a low loss ferrite core provides a coil with extremely high Q. This insures a high degree of selectivity at the input of the receiver. Because of its high Q and large pickup area, the #2000 is one of our most popular rods. It has a fixed inductance of 240 uh and covers a band of 540-1650 kc when used with a variable condenser having a range of 15-365 mmf.

Dimensions: 3/4"x9".

Cat. No.	Q @ 790 KC	Freq. Range	Tuning Cond. Max. Capacity	Schematic	List Price
2000	450	540-1650 KC	365 mmf.	54	$2.75

Miniature Transistor Antenna Rods

These coils are designed for use in miniature receivers where space does not permit the use of larger rods. Signal pickup is sufficient so that an external antenna is neither necessary nor is it advised. The #2001 has an inductance of 240 uh and is designed for use with a standard variable condenser having a maximum capacity of 365 mmf. (Miller #2112). The #2003 has an inductance of 700 uh and is for use with a miniature condenser having a maximum capacity of 130 mmf. (Miller #2110). This is the size used in many of the commercial transistor receivers.

Dimensions: 3/4"x3 3/4".

Cat. No.	Q @ 790 KC	Freq. Range	Tuning Cond. Max. Capacity	Schematic	List Price
2001	550	540-1650 KC	365 mmf.	54	$2.50
2003	500	540-1650 KC	130 mmf.	54	2.50

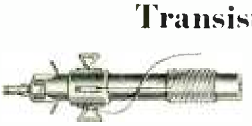
Ferrite Strip Transistor Antenna Rods

These coils are wound on flat ferrite strips rather than the normal ferrite rods. Due to this unique physical configuration they are remarkably sensitive for their small size. Signal pickup approximates that of the larger ferrite rods. The #2004 has an inductance of 240 uh and is to be used with a condenser having a maximum capacity of 365 mmf. (Miller #2112). The #2005 has an inductance of 700 uh and is to be used with a miniature variable condenser having a maximum capacity of 130 mmf. (Miller #2110).

Dimensions: 1/4"x3/4"x3 3/4".

Cat. No.	Q @ 790 KC	Freq. Range	Tuning Cond. Max. Capacity	Schematic	List Price
2004	500	540-1650 KC	365 mmf.	54	$2.50
2005	450	540-1650 KC	130 mmf.	54	2.50

Sub-Miniature Transistor Antenna Rods



Adjustable antenna coils with high Q ferrite cores. Inductance range of part #2002 is 40-300 uh; part #2007 is 150-1000 uh. The inductance ranges shown allow for the use of variable capacitors outside our recommended values.

Dimensions: 1/2"x2 1/2".

Cat. No.	Q @ 790 KC	Freq. Range	Tuning Cond. Max. Capacity	Schematic	List Price
2002	250	540-1650 KC	250-450 mmf.	7	$1.50
2007	220	540-1650 KC	100-250 mmf.	7	2.00

Sub-Miniature Transistor I.F. Transformers

To our knowledge the smallest I.F. transformers in existence. Cup core construction permits the use of extremely small shields without adversely affecting transformer operation. A high impedance, tapped primary winding coupled to a low impedance secondary provides optimum energy transfer between stages.

Dimensions: 3/8" sq. x 5/8" high.

Cat. No.	Freq.	Impedance	Use	Schematic	List Price
9-C1	455 KC	25K— 600 Ohms	Input	72	$3.75
9-C2	455 KC	25K—1000 Ohms	Output	72	$3.75

Miniature Transistor I.F. Transformers

Miniature I.F. transformers having tuned primary and untuned secondary windings. The primary winding is tapped for use in circuits which require a tap. In circuits which do not use a tap it is disregarded. Proper impedance match between primary and secondary insures optimum performance.

Dimensions: 1/2" sq. x 3/4" high.

Cat. No.	Freq.	Impedance	Use	Schematic	List Price
2031	455 KC	10K— 600 Ohms	Input	72	$3.00
2032	455 KC	10K—1000 Ohms	Output	72	3.00
2041	455 KC	25K— 600 Ohms	Input	72	3.00
2042	455 KC	25K—1000 Ohms	Output	72	3.00
2051	455 KC	100K—1000 Ohms	Input	72	3.00

Shielded Sub-Miniature Transistor Oscillator

A deluxe shielded oscillator coil designed for use in a converter circuit employing only one transistor for both the oscillator and mixer. Being identical in size to our 9-C1 and 9-C2 I.F. transformers, the 2021 makes an excellent companion for those components. Designed for use with a condenser having a maximum capacity of approximately 78 mmf. (Miller #2110).

Dimensions: 3/8" sq. x 5/8" high.

Cat. No.	Tuning Cond. Max. Capacity	I.F. Freq.	Use	Schematic	List Price
2021	78	455 KC	Osc.	72	$2.75

Unshielded Miniature Transistor Oscillators

The 2020 oscillator coil (Revised 5-lug) is designed for use in a converter oscillator circuit where only a single transistor is required. The 2023 oscillator coil (6-lug) is for use where a separate transistor is used for the oscillator and another transistor for the mixer. A suitable padder must be used with the 365 mmf. variable. The 2022 is similar to the #2020 except it is for use with a cut section variable (Miller #2110).

Dimensions: 3/8" x 1" high.

Cat. No.	Tuning Cond. Max. Capacity	I.F. Freq.	Use	Schematic	List Price
2020	365 mmf.	455 KC	Osc.	71	$2.25
2022	78-100 mmf.	455 KC	Osc.	71	2.25
2023	365 mmf.	455 KC	Osc.	70	2.25

Variable Condensers

A miniature 2-gang variable condenser. The antenna section has a range of 10-130 mmf. The oscillator section has a range of 10-78 mmf. Trimmer capacitors are self-contained and have a range of approximately 12 mmf. Tapped mounting holes provided on front of condenser. Counter clockwise rotation. Shaft is 1/4" dia. x 3/4" long.

Catalog #2112 is a standard size 2-gang condenser having a range of 10-365 mmf. for both sections. Shaft is 1/4" dia. x 1 1/8" long.

Cat. No.	Sections	Dimensions	List Price
2110	2	15/16" x 1 3/8" x 1 5/16"	$3.00
2112	2	2 3/16" x 1 13/16" x 1 5/8"	3.50

Horizontal Oscillator & Sync. Control Coils

Permeability tuned units for use in horizontal sweep oscillator and automatic frequency control circuits. Contained in aluminum shields with all connections made to terminals located at the top. Mounting is by #6-32 spade bolts on 1 5/16" centers.

No. 6194 consists of two coupled windings: one, tapped, for use in a horizontal oscillator circuit; the other, center-tapped and balanced for a sine-wave phase discriminator arrangement which combines the horizontal synchronizing pulses with oscillations from the horizontal oscillator to provide control of the horizontal scanning frequency (*Synchrolock*).

No. 6182 contains a tapped oscillator coil for use in a horizontal blocking oscillator. In a typical control circuit, a combination voltage from the synchronizing pulse and from the horizontal oscillator is applied to the grid of a control tube. When, due to incorrect frequency or phase, the combination does not produce the required pulse width, the oscillator tube is biased automatically to re-establish synchronization *(Synchroguide)*.

No. 6183 contains a tapped oscillator coil for use in a horizontal blocking oscillator and pulse-width control system, similar to that employing No. 6182 Coil. In addition, there is another winding which, when connected to an external fixed capacitor of .01 mfd, may be adjusted to obtain sine-wave stabilization of the blocking oscillator frequency *(Sync. Freq. and Phase)*.

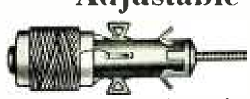
6183 may be reversed in shield for top or bottom mounting.

6183-A. Same as 6183 except coils are reversed on form in order to tune Horizontal Osc. from top or through outside of chassis.

Dimensions: 1-7/16" by 1-7/16" by 2½" high.

Cat. No.	Item	Schematic	List Price
6194	Horiz. Osc. and A.F.C. Discriminator	40	$2.75
6182	Horiz. Osc. and Sync. Control Coil	44	2.25
6183	Horiz. Osc. and Sync. Stabilizer Coil	43	2.75
6183-A	6183 with horiz. osc. coil position reversed	43	2.75

Adjustable Width Controls

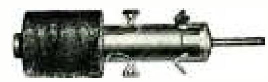


The following series of variable inductors will find a definite place on every service job where it is required to install a new horizontal output transformer. By using the wide inductance range width coils the service technician has the flexibility of choice of taps on the horizontal output transformer, and thus obtain the proper match to secure best operating characteristics. These inductors will also find application wherever a wide inductance range is required in circuits other than T.V. application. They are widely used by experimenters in low frequency oscillator circuits and as adjustable R.F. chokes.

The coils will mount in either a 5/16" or 7/16" hole with adapter supplied.

Cat. No.	Inductance Range Millihenries	Schematic	List Price
6313	.5-5	5	$1.50
6314	2.5-17	5	1.75
6315	4-30	5	1.80
6316	4-30 (2.8-6.5 AGC)	18	2.25
6317	3.2-9 (.17-1.31 AGC)	18	2.25
6318	.3-3	5	1.50
6319	15-60	5	2.25
6320	.3-3 Tapped	7	1.50
6321	1-5 Tapped	7	1.50
6322	1.5-10	5	1.75
6323	.5-5 Tapped	7	1.50
6324	60-130 Tapped	7	2.25
6325	4.2-30 (.78-1.37 AGC)	23	2.25
6326	2.5-19 Parallel (.18-1.7 Series)	23	3.05
6327	4-30 Parallel (.255-2.4 Series)	23	3.05
6328	9-24 (.19-1.1 AGC)	23	2.25
6329	2.2-10 Tapped	7	1.75
6330	45-215	5	2.60
6331	4-30 Parallel (.080-.7 Series)	23	3.05
6195	.185-1	5	1.25
6196	.054-.245	5	1.10
6196-A	.054-.5 Tapped	7	1.25
6197	.55-2.3 Tapped	7	1.25
6198	.17-.61	5	1.10
6199-A	1.3-4.1 Tapped	7	1.30
6199-B	.5-1.7	5	1.25

Tapped Horizontal Oscillator Coils & Sync. Stabilizer (Ringing Coil)



These unshielded coils are intended for use in the horizontal oscillator section of a T.V. receiver.

No. 6210 has an inductance range of 16-42 millihenries and is intended for use as a stabilizer in multivibrator circuits. An external capacitor of .0039 mfd. is required.
Dimensions: ¾" by 2"

No. 6211 is a tapped inductor having an inductance range of 16-42 millihenries. An external capacitor of .0039 mfd. is required.
Dimensions: ¾" by 2"

No. 6324 is a tapped inductor having an inductance range of 60-130 millihenries. An external capacitor of .001 mfd. is required.
Dimensions: 1" by 2"

The above numbers (6210, 6211, 6324) mount into a 7/16" chassis hole.

No. 6212 is a tapped inductor having an inductance range of 12-35 millihenries. When used in combination with part No. 6314 they form the unshielded version of part No. 6183 (Horizontal Oscillator & Sync. Stabilizer). Mounting is by means of a clip fitting a 7/16" chassis hole.
Dimensions: ⅝" by 2"

Cat. No.	Item	Schematic	List Price
6210	Sync. Stabilizer Coil	5	$2.25
6211	Sync. Stabilizer Coil Tapped	7	2.25
6212	Horizontal Osc. Coil Tapped	7	2.25
6324	Horizontal Osc. Coil Tapped	7	2.25

TV Antenna Coupling Transformers

One Miller Antenna Coupling Transformer used to match antenna to line and another to match low-loss line to standard 300-ohm receiver input, may boost signal level as much as four times! The resulting TV picture may be improved to the same degree as if the transmitter had doubled its power! Insertion losses of transformers are very low. Designed to couple 250 or 300-ohm antenna arrays to 72-ohm twinlead, 52-ohm low-loss coaxial cable or 450-ohm open line. At the receiver, a second transformer will match low-loss line to 300-ohm standard receiver input. Transformers are housed in impregnated, weather-tight aluminum shields and may be used outdoors.

Dimensions: ¾" by ¾" by 1⅜" high.

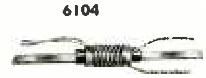
Cat. No.	Impedance Ratio	Schematic	List Price
6161	52/300 or 300/52 ohms	38	$2.75
6162	72/300 or 300/72 ohms	38	2.75
6201	450/300 or 300/450 ohms	38	2.75

Antenna Matching Coils (Balun)

6104

6202

6200



6103

When two of these coils are connected in parallel at one end and in series at the other end, a 75 ohm to 300 ohm impedance matching transformer is obtained. This impedance match holds over the entire television range from channel 2 to 13 thus including the F.M. channels.

The Miller #6202 and #6104 coils can be used to replace the following: RCA #73591, Philco #32-4432-1, -2, -3, #76-7071, and Motorola #S-13.

Part #6202 is wound on a threaded ceramic form to withstand severe temperature changes.

Part #6104 is a smaller, inexpensive balun which finds its primary use as a replacement coil in TV receivers. Wound on low loss styrene.

Part #6200 is used extensively by Radio Amateurs operating on the 50, 144, and 220 MC bands. Wound on low loss styrene. Two mounting brackets are supplied with each coil.

Miller 6103 antenna matching transformer is intended as a replacement item for many Sarkes Tarzian Tuners, as a direct replacement for GE part No. RLA-041. Although physically different than those found in many tuners, this assembly will function as a suitable substitute in many sets where a similar antenna matching coil is used.

Cat. No.	Description	Schematic	List Price
6103	Ant. Matching Coil ¼"x1½" long	39	$1.25
6104	Ant. Matching Coil 5/16"x1¾" long	37	1.00
6200	Ant. Matching Coil ⅜"x2½" long	37	2.00
6202	Ant. Matching Coil 5/16"x1¾" long	37	2.00

Manufacturers' Part Numbers Are Cross-Referenced in Our Latest TV Coil Replacement Guide

Universal Adjustable Ion Trap

In an effort to help the TV serviceman with his stock problem, we are now in a position to reduce his inventory by adding this universal Ion trap to our present TV line. Due to its adjustable feature, which allows the magnetic field to be varied between 32-55 gausses, this trap will, in most instances, replace the older style ion traps having a specific magnetic field.

Packaged in an attractive display carton of 24 pieces.

Cat. No.	Description	List Price
6295	Adjustable Ion Trap	$1.25

Converter and Picture Channel I.F. Transformers

These three transformers may be used to couple plate of mixer to first video i.f. stage and as interstage coupling in two of the following stages of the picture i.f. channel. Windings are iron core tuned, and without external capacitor are designed to resonate with tube and wiring capacity to the frequencies 21.8, 25.3 and 22.3 mc. All three transformers have slug-tuned traps for response curve shaping and sound or adjacent channel rejection. Converter transformer has tap on trap for sound take-off to sound i.f. channel at 21.25 mc. Transformer tuning core adjusted from bottom; trap tuning accomplished by stud accessible at top of shield. **Dimensions: 7/8" by 7/8" by 2¼" high.**

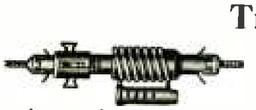
Cat. No.	I.F. Frequency	Trap	Schematic	List Price
6185	21.8 MC Converter I.F. Trans.	21.25 MC	42	$2.75
6186	25.3 MC 1st Pix I.F. Trans.	27.25 MC	115	2.75
6187	22.3 MC 2nd Pix I.F. Trans.	19.75 MC	115	2.10

Picture Channel I.F. Inductors

Unshielded, permeability-tuned inductors which resonate with tube and wiring capacity to the frequencies indicated below. When used with the shielded picture i.f. transformers shown above, they make possible a well designed stagger-tuned video i.f. amplifier of full 6 mc bandwidth. Proper response wave shape thus insured for all possible definition and clarity of the television picture. Coils are wound on bakelite forms with mounting clip to fit into 7/16" hole in chassis. **Dimensions: ½" max. o.d. by 1½" long.**

Cat. No.	Description	Frequency	Schematic	List Price
6188	3rd Pix I.F. Trans.	25.2 MC	5	$1.25
6189	Video Detector I.F. Trans.	23.4 MC	5	1.25
6193	Cathode Sound Trap	21.25 MC	24	2.00
6171	Tunable Choke	21-25 MC	5	1.25
6171-A	Tunable Choke	25-29 MC	5	1.25

24 Mc Unshielded Picture I.F. Transformers



First and Second I.F. transformers employ single tuned circuits and trap windings. The Third I.F. employs a single tuned circuit and cathode trap, and the Video detector transformer employs only a single winding. Mounting clip to fit 5/16" hole in chassis.

Maximum Dimensions: ¾" O.D. x 2½" long.

Cat. No.	I.F. Frequency	Trap	Schematic	List Price
6245	25.5 MC First I.F.	27.25 MC	25	$2.50
6246	22 MC Second I.F.	21.2 MC	25	2.50
6247	21.25 MC Cathode Trap		24	2.50
6248	24.5 MC Video Det. I.F.		5	1.50

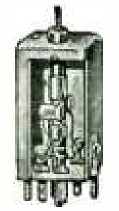
Bifilar Wound T.V. I.F. Transformers

These permeability tuned inductors resonate with average wiring capacity to the frequency indicated. The unshielded coils mount in a 5/16" hole.

Maximum Dimensions: ¾" O.D. x 2½" long.

Cat. No.	I.F. Frequency	Trap	Schematic	List Price
6249	21-25 MC Bifilar		23	$1.50
6250	25-29 MC Bifilar		23	1.50
6251	21-25 MC Bifilar Shielded		22	2.25
6252	25-29 MC Bifilar Shielded		22	2.25
6253	21-30 MC Bifilar	20-23 MC	21	2.75
6254	22-32 MC Bifilar	24-29 MC	21	2.75

21.25 Mc Television Sound I.F. Transformers



These permeability tuned transformers are intended for use in T.V. receivers where a separate sound amplifier is employed.

The 6190 and 6191 feature high gain along with adequate bandwidth.

The 6192 discriminator is of the Foster Seeley type. Two stages of amplification and one limiter stage should precede it.

The 6170 is for use in the unbalanced type of discriminator circuit. (Same as RCA-75212.)

The 6184 ratio detector requires at least a one or two stage amplifier preceding it to insure proper operation.

Dimensions: (6190, 6191, 6170) 7/8" sq. x 2¼" high. Mounting centers 1".
Dimensions: (6184 & 6192) 1⅛" sq. x 2½" high. Mounting centers 1 1/16".
Dimensions: (6261 and 6262) ¾" sq. x 2" high. Clip mounting.

Cat. No.	Item	Frequency	Schematic	List Price
6190	1st Sound I.F. Trans.	21.25 MC	35	$2.40
6191	2nd Sound I.F. Trans.	21.25 MC	35	2.40
6192	Sound Discriminator Trans.	21.25 MC	20	3.00
6170	Sound Discriminator Trans.	21.25 MC	41	3.30
6184	Sound Ratio Detector Trans.	21.25 MC	19	3.30
6261	Sound Discriminator Trans.	21.25 MC	20	3.40
6262	Sound Ratio Detector Trans.	21.25 MC	19	3.40

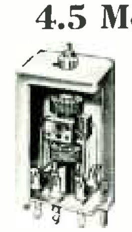
4.5 Mc Intercarrier Sound I.F. Components

Single and double tuned circuits for inter-carrier television receivers. The discriminator is of the Foster Seeley type and requires one or two limiter stages preceding it, while the ratio detector will provide good operation with one or two stages of amplification only.

Dimensions: (1466-1467-1468) 1⅛" sq. x 2⅛" high. Mounting centers 1 1/16".
Mounting (1469-1470) 5/16" chassis hole. (1470-A ¾" sq. x 2" high.)

Cat. No.	Item	Frequency	Schematic	List Price
1466	Input or Interstage I.F. Trans.	4.5 MC	35	$2.60
1467	Sound Discriminator Trans.	4.5 MC	63	3.00
1468	Sound Ratio Detector Trans.	4.5 MC	19	3.30
1469	Sound Pick Off Coil	4.5 MC	66	1.25
1470	Sound Trap Unshielded	4.5 MC	67	1.25
1470-A	Sound Trap Shielded	4.5 MC	65	1.65
1480	Quadrature Coil	4.5 MC	28	1.25
1481	Quadrature Coil Shielded	4.5 MC	65	1.65

4.5 Mc Ratio Detector (Standard Size)



For use in the demodulating stage of the sound I.F. strip of intercarrier T.V. receivers. Due to the ability of the ratio detector to discriminate against amplitude variations, no limiter stages are required. The use of permeability tuning and fixed capacitors make possible a unit that is stable in operation. This coil has the same electrical characteristics as our part no. 1468.

For replacement use where a coil in a larger shield is required. #6/32 spade bolts on 1 5/16" centers.

Dimensions: 1⅜" square by 2" high.

Cat. No.	Item	Frequency	Schematic	List Price
1498	Sound Ratio Detector Trans.	4.5 MC	19	$3.30

4.5 Mc Miniature I.F. Trans.

Shell core permeability tuned transformers with built-in silver-mica capacitors. Tuning from top and bottom of aluminum shield. Supplied with a snap spring mounting clip which may be installed through suitable holes in the chassis.

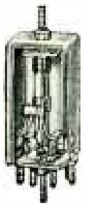
Dimensions: ¾" square by 2" high.

Cat. No.	Item	Schematic	List Price
6203	4.5 MC Input or Interstage	35	$2.85
6204	4.5 MC Discriminator	20	3.40
6205	4.5 MC Ratio Detector	19	3.40
6206-PC	4.5 Mc Ratio Det. (GE-RTD-026)	19	4.50
6207-PC	4.5 Mc Ratio Det. (GE-RTD-025)	19	3.75
6208-PC	4.5 Mc Ratio Det. (GE-RTD-020)	19	4.50

Manufacturers' Part Numbers Are Cross-Referenced in Our Latest TV Coil Replacement Guide

40 Mc TV Picture I.F. Transformers

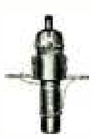
These new transformers are for use in TV receivers having the picture I.F. carrier frequency at 45.75 MC with the sound carrier I.F. at 41.25 MC and the sound intercarrier I.F. at 4.5 MC. The picture I.F. covers a band of 41.75-45.75 MC. With proper circuit capacitances, adjustable windings are tunable within this frequency range. Converter transformer has an iron core tuned primary winding and a 75-ohm output winding. 1st pix I.F. grid transformer has a 75-ohm input winding as well as iron core tuned secondary and trap windings. 1st pix I.F. plate and 2nd pix I.F. grid transformers have each two permeability tuned windings, one of which constitutes a trap. Currently used in R.C.A. models.



Dimensions: 7/8" x 7/8" x 2¼" high.

Cat. No.	Description	Trap	Schematic	List Price
6215	Converter I.F. Trans.		31	$2.50
6216	1st Pix I.F. Grid Trans.	39.25 MC	32	3.00
6217	1st Pix I.F. Plate Trans.	41.25 MC	33	3.00
6218	2nd Pix I.F. Grid Trans.	47.25 MC	34	2.75

Unshielded Picture I.F.s

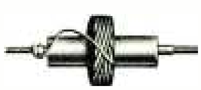


Unshielded permeability tuned I.F. transformer for use in subsequent stages. This transformer is single tuned and has bifilar wound tightly coupled primary and secondary windings. With suitable tube and wiring capacity it can be peaked to any frequency within the range 41.75-45.75 MC. Wound on bakelike form with mounting clip to fit into 5/16" hole in chassis. Currently used in R.C.A. models.

Dimensions: ½" O.D. x 1¼" long.

Cat. No.	Description	Freq. Range	Schematic	List Price
6219	3rd, 4th and 5th Pix I.F.	41.75-45.75 MC	23	$1.25

Video Peaking Coils, Filament Choke



Intended for replacement service, Filament Choke No. 6175 isolates filaments to reduce stray coupling. Low resistance for minimum voltage drop. Video peaking coils designed to assure proper bandwidth and wave shape. Coils without shunt resistor wound on moulded plastic forms; shunt resistor types wound directly over resistor forms. Solid wire leads for easy connection and wiring. Approximate dimensions: No. 6175 Filament Choke—9/32" dia. by 7/8" long; Video Peaking Coils—3/16" dia. by 3/8" long.

Cat. No.	Use	Inductance —uhy	Shunt Resistor	Color Code	Schematic	List Price
6175	Filament Choke	0.8	None	Orange	1	$ .50
6152	Peaking Coil	20	None		1	.50
6176	Peaking Coil	36	None	Black	1	.50
6110	Peaking Coil	60	None		1	.50
6172	Peaking Coil	73	None		1	.60
6177	Peaking Coil	93	None	Red	1	.60
6112	Peaking Coil	100	None		1	.60
6178	Peaking Coil	120	22K	Blue	8	.60
6153	Peaking Coil	120	None		1	.60
6120	Peaking Coil	155	None		1	.60
6179	Peaking Coil	180	39K	White	8	.60
6180	Peaking Coil	180	None	Yellow	1	.60
6154	Peaking Coil	200	None		1	.60
6173	Peaking Coil	250	22K		8	.60
6181	Peaking Coil	250	None	Green	1	.60
6130	Peaking Coil	275	None		1	.60
6155	Peaking Coil	300	None		1	.60
6132	Peaking Coil	330	None		1	.60
6134	Peaking Coil	375	None		1	.60
6136	Peaking Coil	420	None		1	.60
6138	Peaking Coil	470	None		1	.60
6174	Peaking Coil	500	None		1	.60
6144	Peaking Coil	550	None		1	.60
6146	Peaking Coil	600	None		1	.60
6148	Peaking Coil	700	None		1	.60
6156	Peaking Coil	800	None		1	.60
6157	Peaking Coil	950	None		1	.60

In case a resistor coil form is specified for replacement purposes, use a shunt resistor of the required value across peaking choke.

44 Mc Miniature TV Picture Transformers

Permeability Tuned

For use in Intercarrier receivers of later design which employ this higher intermediate sound and picture I.F. frequency. Due to their small physical size these coils can be used where space is at a premium.

The converter transformer feeds energy through a 75 ohm link line to a winding of the same impedance on the First Picture I.F. Transformer. Both the Second and Third I.F. Transformers employ a bifilar winding tuned to the desired signal, and a trap winding which is adjusted to attenuate the undesired signals. The Fourth I.F. Transformer has a bifilar wound Primary and Secondary which feeds into the detector. Supplied with snap spring mounting clip which may be installed through suitable holes in the chassis. Also furnished is an adaptor plate for use over a standard tube socket hole.

Dimensions: ¾" sq. x 2" high

Cat. No.	Description	Trap	Schematic	List Price
6230	Converter I.F.		27	$2.50
6231	44 MC First I.F.		27	2.50
6232	42.5 MC Second I.F.	41.25 MC	26	2.10
6233	45.5 MC Third I.F.	47.25 MC	26	2.50
6234	44 MC Fourth I.F.		22	1.85

Unshielded 44 Mc TV Picture Transformers

This series of unshielded 40 Mc. video transformers and inductors can be used as replacement components in almost every known type of circuitry found in today's television receivers. Part No. 6220 has a 75 ohm link winding to couple energy from the converter to the grid winding of the first video stage. Part Nos. 6221, 6222, and 6223 incorporate bifilar wound primary and secondary windings, and high "Q" inductively coupled trap windings. Part No. 6224 consists of a bifilar wound primary and secondary winding, while part Nos. 6225 and 6226 are high "Q" single windings that can be used as either traps or capacity coupled I.F. inductors. All coils in this series are permeability tuned, and will resonate with average wiring and tube capacitance to the frequencies indicated.

Maximum Dimensions: ¾" O.D. x 2½" long. Mounting hole 5/16".

Cat. No.	I.F. Frequency	Trap	Schematic	List Price
6220	40-46 Mc.		30	$1.25
6221	40-46 Mc.	41.25 Mc.	21	2.50
6222	42-48 Mc.	47.25 Mc.	21	2.50
6223	40-46 Mc.	39.25 Mc.	21	2.50
6224	39-46 Mc.		23	1.40
6225	39-49 Mc.		29	1.55
6226		40-46 Mc.	28	1.40

R.F. Transformer for HV Power Supply

These R.F. power supply transformers for use with television receivers and cathode ray oscilloscopes make it possible to construct an inexpensive source of high voltage DC. Two types are available, the #4525 for voltage to 5000 DC and the #4526 for voltages to 10,000 DC (or 30,000 DC in a voltage rectifier tripler circuit). Type 1B3-GT tubes are used as rectifiers and the R.F. oscillator circuit uses one or more type 6V6 or 6Y6 tubes connected in parallel. The high frequency AC source permits use of simple and inexpensive resistive capacitive filters with low ripple content in the output.

Cat. No.	Item	Schematic	List Price
4525	H.V. R.F. Trans. (to 5 KV)	52	$8.25
Dimensions: 1¼" diameter x 3¾" high.			(Not Illustrated)
4526	H.V. R.F. Trans. (to 30 KV)	52	$13.75
Dimensions: 2¼" diameter x 6" high.			(Illustrated)

Manufacturers' Part Numbers Are Cross-Referenced in Our Latest TV Coil Replacement Guide

TV High-Pass Filter

This TV High-Pass Filter will eliminate or greatly reduce annoying interference which may be picked up by the intermediate-frequency amplifier section of your television receiver. Improves picture clarity by rejecting interference from short wave stations, amateur transmitters, X-Ray and diathermy equipment, industrial r.f. heating units, electric appliances, etc. Clear, steady pictures insured with a minimum of noise streaks, sound bars or herringbone. Filter is designed to attenuate all signals from zero frequency to 40 megacycles. All television channels passed with minimum loss. No tuning required. Installed easily in antenna lead-in receiver. In aluminum shield with convenient "L"-type bracket for mounting.

Dimensions: 1 7/16" by 1 7/8" by 3 1/2" high.

Cat. No.	Use	Schematic	List Price
6167	TV High-Pass Filter— 72-ohm line	46	$5.50
6168	TV High-Pass Filter—300-ohm line	47	5.50

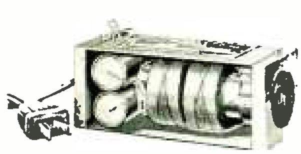
TV and Appliance Filter

Similar in construction to the Cat. No. 7818, the Cat. No. 7815 is designed for use with larger household appliances and commutator-type motors as well as communications-type receivers and recording equipment. Useful for elimination of **TV interference** in radio receivers when inserted in television receiver line cord. The #7815 filter uses larger capacitors and heavier capacity inductors to handle load requirements up to 550 watts. It is assembled in a gray Hammertone finished case.

Dimensions: 2 1/4" square x 4" long.

Cat. No.	Volts	Watts	Schematic	List Price
7815	115	550	11	$9.25

AC-DC Radio Filter



The Cat. No. 7813 is an All-Wave Interference Filter designed expressly for use on AC-DC radio receivers where the commonly used D.C. circuits require a filter having different characteristics than those for A.C. circuits, for greatest effectiveness. The Cat. No. 7813 Filter plugs-in between the power outlet and the radio receiver.

Dimensions: 2 1/4" square x 5" long.

Cat. No.	Volts	Watts	Schematic	List Price
7813	115	220	11	$9.75

Electric Shaver Filter

This filter contains an inductive - capacitive circuit consisting of two duo-lateral wound chokes and a non-inductive condenser, giving complete freedom from radio interference. Most electric shavers act as miniature radio transmitters and feed interference energy into the house wiring and it is then picked up by the radio receiver. The Miller Electric Shaver filter, connected between the electric shaver and the convenience outlet, effectively absorbs this interference energy and prevents it from being picked up by the radio receiver. No ground connection is needed for the filter and the danger of accidental shock is avoided through the use of shock-proof, unbreakable moulded rubber construction.

Dimensions: 1 1/8" diameter x 3" long.

Cat. No.	Volts	Watts	Finish	Schematic	List Price
7817	115	50	Black	14	$3.50
7817-1	115	50	Ivory	14	3.50

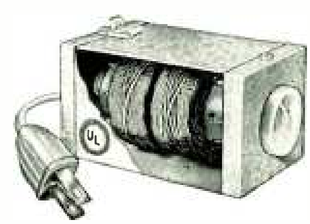
TV and FM Wave Traps

These new high-Q series-resonant wave traps may completely eliminate interference and undesirable images in television and FM receivers. When tuned to the frequency of interfering signal, they are very effective in reducing sound bars and herringbone patterns, or streaks and tearing in the television picture. Superimposed pictures from two different stations also may be prevented. For FM receiver use, cross-talk from interfering station is greatly diminished. Use of one of these traps generally will reduce interference caused by a near-by transmitter to a degree which will permit satisfactory reception from a weaker station.

Dimensions: 1 3/8" by 1 7/8" by 3 1/2" high.

Cat. No.	Frequency Range	Schematic	List Price
6163	150-250 MC	45	$4.40
6164	75-150 MC	45	4.40
6165	40- 80 MC	45	4.40
6166	20- 40 MC	45	4.40

All-Wave Interference Filter



Designed to eliminate radio noises caused by small household appliances such as food mixers, sewing machines, vacuum cleaners, etc. When connected between the radio receiver and the power outlet, the filter will prevent pick-up of interference and unwanted signals through the house wiring system. When used with household appliances the filter prevents the interference energy from getting into the house wiring circuit and disturbing receivers throughout the neighborhood.

Dimensions: 2 1/4" square x 4" long.

Cat. No.	Volts	Watts	Schematic	List Price
7818	115	220	13	$9.25

Capacity Type Line Filter

The Miller Capacity Line filter is an all purpose filter for the elimination of radio interference caused by the operation of household appliances such as electric razors, heating pads, hair dryers, food mixers, vacuum cleaners and practically all common household devices and fractional horsepower motors. This filter will provide adequate filtering in less severe cases of interference and in instances where the cost of Miller Inductive-Capacitive type filters is not warranted. A bakelite receptacle at one end and one foot long cord with plug at the other end makes installation simple.

Dimensions: 1 1/8" diameter x 2 5/8" long.

Cat. No.	Volts	Watts	Schematic	List Price
7816	115	660	15	$2.50

Un-Cased Interference Filters

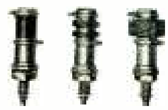
These filters utilize two duo-lateral wound chokes and a dual .2 mfd. non-inductive wound, oil impregnated condenser. The filters are assembled on . 1" diameter bakelite tubes and are provided with solder-type terminals and brass mounting brackets. While designed primarily for use with traffic signals, its usefulness is by no means limited to this application. These filters may be used for built-in application with any type of radio interference producing electronic device whose voltage and current requirements are within the rating limits of the filters.

Dimensions: #7880—2 1/4" diameter x 5" long; 90 uh; .125 ohms; dual .2 mfd. condenser.
#7881—3 1/4" diameter x 5" long; 125 uh; .065 ohms; dual .2 mfd. condenser.

Cat. No.	Volts	Amperes	Schematic	List Price
7880	220	5.	10	$6.50
7881	220	10.	10	7.50

Prices Subject to Change or Withdrawal Without Notice

Sub-Miniature Adjustable R.F. Coils



The following permeability tuned coils wound on silicone impregnated ceramic forms will find many applications where space restrictions rule out the use of the larger size coils in the 4400 and 4500 series. These coils mount by means of a bushing which requires a 11/64" hole.

Dimensions (form): 3/16" diameter x 5/8" long. Schematic No. 5.

Cat. No.	Microhenries	List Price
4300	Form only	$1.50
4301	0.17- 0.27	2.00
4302	0.27- 0.41	2.00
4303	0.40- 0.65	2.10
4304	0.64- 0.95	2.20
4305	0.94- 1.55	2.25
4306	1.5 - 2.57	2.30
4307	2.5 - 4.40	2.40
4308	4.3 - 7.15	2.40
4309	7.1 - 12.5	2.50
4310	12.4 - 20.3	2.50
4311	20.1 - 32.8	2.50
4312	32.5 - 51.5	2.50
4313	51. -102.	2.60
4314	101. -180.	2.60
4315	178. -300.	2.60

#4300 comes complete with hardware and core

#4300 Bulk packed per 100 — List Price $115.00

Miniature Adjustable R.F. Coils

A new series of small adjustable coils designed for the most exacting requirements. Wound on silicone impregnated high grade ceramic forms. Tuning is by means of a powdered iron core. These coils require little space and are for mounting in a 3/16" diameter hole.

Dimensions (form): 1/4" diameter x 7/8" long. Schematic No. 5.

Cat. No.	Microhenries	List Price
4500	Form only	$1.50
4501	.4- .8	2.00
4502	1.0- 1.6	2.00
4503	1.6- 2.8	2.10
4504	2.8- 5	2.20
4505	5 - 9	2.30
4506	9 -16	2.40
4507	16 -24	2.50
4508	24 -35	2.50
4509	35 -60	2.50
4511	60 -120	2.50
4512	110 -200	2.60
4513	190 -330	2.60
4514	320 -500	2.60
4514-1	480 -800	2.75

#4500 comes complete with hardware and core

#4500 Bulk packed per 100 — List Price $115.00

Economy Adjustable R.F. Chokes

Through the use of a recently developed Nylon molding process we are able to offer an inexpensive line of adjustable chokes. These items feature a wide inductance range which has been achieved through the use of a threaded ferrite core. They can be adjusted from either the top or bottom. This lends a degree of flexibility to your design. Mounting is achieved by means of a metal clip in a 5/16" round hole or a special keyed hole. Instructions supplied with each coil.

Dimensions: 3/8" x 1 3/8" long.

Cat. No.	Microhenries	Schematic	List Price
4200	Form only		$ .75
4202	1- 2.5	5	1.25
4203	2- 5.5	5	1.25
4204	5- 12	5	1.25
4205	10- 25	5	1.25
4206	20- 55	5	1.50
4207	50-140	5	1.50
4208	120-330	5	1.50
4209	310-860	5	1.50

#4200 comes complete with hardware and core

Standard Adjustable R.F. Coils

This series of variable inductors offers a higher Q coil with a slightly larger inductance range than can be obtained in either of the two smaller series. The same high grade silicone-impregnated ceramic forms are used in their construction to insure a product of high quality. These coils mount by means of a bushing that requires a 1/4" diameter mounting hole. Hardware consisting of nut, lock washer, and spring clip is supplied.

Dimensions (form): 3/8" diameter x 1 1/16" long. Schematic No. 5.

Cat. No.	Microhenries	List Price
4400	Form only	$1.65
4403	0.9- 1.6	2.20
4404	1.5- 3.2	2.25
4405	3.1- 6.8	2.30
4406	6.7- 15	2.40
4407	14.8- 31	2.50
4408	30 - 69	2.55
4409	68 - 130	2.65
4410	126 - 250	2.65
4411	245 - 475	2.70
4412	450 - 800	2.70
4413	750 -1400	2.75
4414	1300 -2100	2.75

#4400 comes complete with hardware and core.

#4400 Bulk packed per 100 — List Price $140.00

High Q Unshielded R.F. Coils

A complete line of Unshielded Permeability tuned coils for replacement use or as the front end components in new receiver design. Through the use of the adjustable iron core this series of coils can be made to track with many types of variable condensers to obtain any desired frequency range; the ranges shown are for use with a 365 mmfd. tuning condenser. Oscillator coils are of either the standard plate feedback type or cathode tapped type, and are designed so that it is possible to achieve three point tracking when the proper padding and trimmer capacity values are used. Values of padding condenser are for use with a 455 Kc I.F. amplifier. Mounting is by means of a single 1/4" hole. These #5495 series coils can be shielded in our #S-32 shields (1 1/8" sq.) with very little loss in Q.

Dimensions (form): 3/8" x 2".

Long Wave Coils

Cat. No.	Use	Range	Schematic	List Price
X-5495-A	Antenna Stage	140-420 KC	51	$2.10
X-5495-RF	RF Stage	140-420 KC	51	2.10
X-5495-C	Std. Osc. 455 KC	Pad .00012 Mfd.	48	2.10
X-5496-C	Tapped Osc. 455 KC	Pad .00012 Mfd.	7	2.10

Broadcast Band Coils

Cat. No.	Use	Range	Schematic	List Price
A-5495-A	Antenna Stage	540-1700 KC	51	$2.10
A-5495-RF	RF Stage	540-1700 KC	51	2.10
A-5495-C	Std. Osc. 455 KC	Pad .0004 Mfd.	48	2.10
A-5496-C	Tapped Osc. 455 KC	Pad .0004 Mfd.	7	2.10

Short Wave Coils (Marine & Aircraft)

Cat. No.	Use	Range	Schematic	List Price
B-5495-A	Antenna Stage	1.7-5.5 MC	48	$2.10
B-5495-RF	RF Stage	1.7-5.5 MC	48	2.10
B-5495-C	Std. Osc. 455 KC	Pad .002 Mfd.	48	2.10
B-5496-C	Tapped Osc. 455 KC	Pad .002 Mfd.	7	2.10

Short Wave Broadcast Coils 5 to 18 MC

Cat. No.	Use	Range	Schematic	List Price
C-5495-A	Antenna Stage	5.5-18 MC	48	$2.10
C-5495-RF	RF Stage	5.5-18 MC	48	2.10
C-5495-C	Std. Osc. 455 KC	Pad .005 Mfd.	48	2.10
C-5496-C	Tapped Osc. 455 KC	Pad .005 Mfd.	7	2.10

High Frequency Coils (12-36 MC)

Cat. No.	Use	Range	Schematic	List Price
D-5495-A	Antenna Stage	12-36 MC	48	$2.10
D-5495-RF	RF Stage	12-36 MC	48	2.10
D-5495-C	Std. Osc. 455 KC	Pad .01 Mfd.	48	2.10
D-5496-C	Tapped Osc. 455 KC	Pad .01 Mfd.	7	2.10

Ceramic Core R.F. Chokes

Miller ceramic core radio frequency chokes are the result of careful research and design, and present advantages found in no other comparable chokes. These chokes have extremely low distributed capacity.

Dimensions: (form) 1/4" diameter by 1½" long.

All chokes are impregnated with a moisture- and fungus-resistant varnish. Inductance tolerance: ±5%. Schematic No. 1.

Single Layer Wound Chokes

The following R.F. chokes are solenoid wound. They have a distributed capacity of 0.7 mmf and may be used in ultra-high-frequency receivers and low-power transmitters.

Cat. No.	uh.	Ohms	ma	List Price
4528-1	1	.03	300	$ .70
4528	2.5	.09	300	.70
4529	5	.25	300	.70
4529-10	10	.95	300	.70

Progressive Wound Chokes

These chokes, with a distributed capacity of 1 mmf., fill the gap between layer and pi-wound coils. The distributed capacity is lower than that obtainable in sectional wound coils.

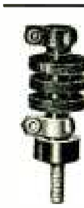
Cat. No.	uh.	Ohms	ma	List Price
4515	25	1.6	300	$ .80
4517	50	2.1	300	.80
4519	100	3	300	.80

Multiple Pi Wound Chokes

These multiple duo-lateral chokes have a low distributed capacity of 1.2-1.3 mmf. The current carrying capacity is comparatively high for this type of choke.

Cat. No.	mh.	Ohms	ma	List Price
4531-0	.25	8	200	$ .90
4531	.5	12	200	.90
4531-1	1	17	200	.90
4532	1.5	21	200	1.00
4537	2.5	28	200	1.00
4538	5	42	125	1.25
4539	7.5	82	125	1.40
4540	10	95	125	1.65
4541	25	160	125	1.95

#4537 Bulk packed per 100.......List Price $80.00



Stud Mounted Low-Capacity R.F. Chokes

Single stud mounted resistor-type r.f. chokes for use in transmitters and receivers. Pi-wound for very low distributed capacity. Constructed on moulded bakelite forms and equipped with Miller "Sta-On" terminal clips which will not work loose. Co-axial #6-32 thread mounting stud.

Dimensions: 5/8" o.d. by 1¼" high (plus 7/16" stud)

Cat. No.	mh.	Ohms	ma	Schematic	List Price
4527	1.0	14.	200	1	$1.10
4530	2.5	23.	200	1	1.20

High Inductance Chokes

Miller High Inductance Chokes are particularly useful in the construction of special electronic equipment where inductance requirements are out-of-the ordinary for the usual air-core choke.

Dimensions: (form) ½" diameter by 2½" long.

Cat. No.	mh.	Ohms	ma	List Price
4542	50	222	100	$2.50
4543	75	290	100	2.75
4544	100	350	100	3.00
Dimensions: (form) ½" diameter by 3½" long.				
4545	150	480	75	4.40
4546	200	530	75	4.95
4547	250	690	75	5.50

R.F. Chokes with Axial Leads

These chokes are covering an inductance range from .1 microhenry to 10 millihenries or 5 decades with 8 coils per decade. Inductance values are increasing in steps of appr. 50%. Either single layer or 3-pi universal winding is used to insure low distributed capacity. Chokes are wound on low-loss molded phenolic or powdered iron core forms and are impregnated with a moisture- and fungus-resistant varnish. The type of powdered iron used allows the chokes to operate at all frequencies up into the ultra-high frequency region.

Dimensions: Phenolic form 3/16" diameter x 3/4" long.
Iron core form 7/32" diameter x 7/8" long.

Leads are 1½" long. Inductance tolerance: plus or minus 5%.

Phenolic Form Single Layer Windings

Cat. No.	uh.	Ohms	ma	Schematic	List Price
4580	0.1	.01	300	1	$ .55
4582	0.15	.012	300	1	.55
4584	0.22	.017	300	1	.55
4586	0.33	.019	300	1	.55
4588	0.47	.022	300	1	.55
4590	0.68	.03	300	1	.55
4592	0.75	.033	300	1	.55
4594	0.82	.035	300	1	.55
4602	1	.05	300	1	.55
4604	1.5	.08	300	1	.55
4606	2.4	.16	300	1	.55
4608	3.9	.5	300	1	.55
4609	5.5	.69	300	1	.60
4610	6.2	.75	300	1	.60
4611	8.2	1.12	300	1	.60
4612	10	1.5	200	1	.60

Iron Core Form Single Layer Windings

Cat. No.	uh.	Ohms	ma	Schematic	List Price
4622	10	.06	300	3	$ .65
4624	15	.12	300	3	.65
4626	24	.28	300	3	.70
4628	39	.65	300	3	.70
4629	55	.92	300	3	.75
4630	62	1.0	300	3	.75
4631	82	1.6	300	3	.75
4632	100	2.0	200	3	.75

Phenolic Form 3-Section Windings

Cat. No.	mh.	Ohms	ma	Schematic	List Price
4642	0.1	4.1	125	1	$ .75
4644	0.15	5	125	1	.75
4646	0.24	6.6	125	1	.75
4648	0.39	8.7	125	1	.80
4649	0.55	10.	125	1	.80
4650	0.62	11	125	1	.80
4651	0.75	13	125	1	.80
4652	1.0	15	125	1	.80

Iron Core Form 3-Section Windings

Cat. No.	mh.	Ohms	ma	Schematic	List Price
4662	1	7	125	3	$ .85
4664	1.5	9	125	3	.90
4666	2.4	12	125	3	1.00
4668	3.9	17	125	3	1.10
4669	5.5	22	125	3	1.25
4670	6.2	33	100	3	1.25
4671	8.2	45	100	3	1.50
4672	10	47	50	3	1.75

Ferrite Core R.F. Chokes

A new series of R.F. Chokes taking advantage of the high permeability of ferrite cores. These chokes combine high inductance and low D.C. resistance with a small physical size.

Dimensions of core: 1/4" diameter x 7/8" long. 1½" long axial leads.

Cat. No.	mh.	Ohms	ma	Schematic	List Price
6302	2.5	8.3	200	3	$1.00
6304	5	13.5	200	3	1.25
6306	10	28	125	3	1.50
6308	25	70	75	3	1.75
6310	50	110	75	3	2.00

Prices Subject to Change or Withdrawal Without Notice

Unshielded Air Core Chokes

Miller duo-lateral wound, single section radio frequency chokes are ideally suited to all receiver and circuit applications where a moderately priced type of choke is indicated. All of these chokes are wound with silk covered enamelled copper wire on impregnated ceramic dowels. A bakelite terminal plate, 1⅛" in diameter, is fastened to the dowel with a tubular brass eyelet, providing for single-hole mounting with a #6-32 machine screw. Terminal lugs are eyeletted to the bakelite plate. The choke windings are thoroughly impregnated to prevent moisture absorption. Inductance values are maintained to an accuracy of five per cent.

Dimensions: 1⅛" diameter by ⅝" high. Schematic No. 1.

Cat. No.	mh.	Ohms	ma	List Price
610	.25	8	125	$ .60
615	.5	12	125	.60
620	.75	16	125	.65
622	1.0	18	125	.65
630	1.5	21	125	.65
640	2.5	29	125	.75
650	5.0	44	125	.75
660	7.5	55	125	.80
670	10	67	125	.85
680	12.5	77	125	.85
690	15	85	125	.90
691	20	100	125	1.00
692	30	130	100	1.05
693	60	200	100	1.20
694	80	220	100	1.45

Center Tapped Types

Cat. No.	mh.	Ohms	ma	Schematic	List Price
670-T	10	67	125	6	$1.05
691-T	20	100	125	6	1.20
693-T	60	200	100	6	1.40

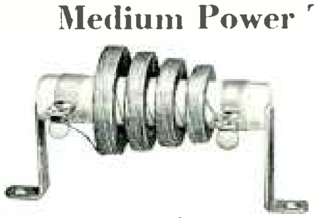
Shielded Air Core Chokes

Miller Series 700 radio frequency chokes are similar in construction to the Series 600 and are assembled in aluminum shields. They are particularly useful for use in stage-isolating circuits, where coupling between chokes would be detrimental. The round shields are finished in satin okite and inductance tolerances are maintained to within five per cent. Two #6-32 spade bolts provide for simple mounting. **Schematic No. 2.**

Dimensions: 1¼" diameter by 1⅛" high. (Catalog No. 758 is 1⅝" dia.)

Cat. No.	mh.	Ohms	ma	List Price
751	.5	11	125	$1.00
752	1.0	17	125	1.00
753	2.5	28	125	1.10
754	5.0	45	125	1.10
755	7.5	58	125	1.10
756	10	72	125	1.20
757	25	130	125	1.35
758	50	190	100	1.70

Medium Power Transmitter Chokes



A series of medium power transmitter chokes designed particularly for the constructor of amateur and commercial equipment using tubes having current requirements greater than 125 to 200 MA and less than 750 to 1000 MA, these new chokes are conservatively rated at 400 MA. Multiple-section, duo-lateral wound on Alsimag ceramic forms and provided with rigid brass terminal clips. Mounting brackets are of the "snap-in" type and may be removed to permit end mounting by means of the tapped holes in the ends of ceramic forms. Holes are tapped #6-32. Low distributed capacity and accurate inductance values are features of these chokes.

Dimensions: (form) ½" diameter by 2½" long.

Cat. No.	mh.	Ohms	ma	Schematic	List Price
4550	2.0	6.5	400	1	$2.50
4551	4.0	10.0	400	1	2.75

Unshielded Iron Core Chokes

No 960

No 952

Series 900 iron core radio-frequency chokes are of the single section duo-lateral wound type. The core is ⅜" in diameter by ½" long and affords maximum inductance with minimum resistance. These iron core chokes are especially adaptable to all electronic devices requiring a small radio frequency choke having low distributed capacity. Solder terminal lugs are provided on the bakelite terminal plate, and single-hole mounting is provided by a brass eyelet through the center of the core. All chokes are thoroughly impregnated and inductances are accurate to within five per cent.

Dimensions: 1⅛" diameter by ⅝" high. Schematic No. 3.

Cat. No.	mh.	Ohms	ma	List Price
951	.5	7	125	$1.00
952	1.0	11	125	1.10
953	2.5	19	125	1.15
954	5.0	29	125	1.30
955	7.5	37	125	1.40
956	10	47	125	1.45
957	25	83	100	1.75
958	50	130	100	1.95
959	75	170	100	2.20
960	100	200	100	2.50
961	150	260	100	2.75

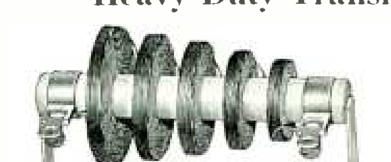
Shielded Iron Core Chokes

Series 800 shielded iron core chokes are similar in construction to the type 900 unshielded chokes. The shielded chokes are enclosed in round aluminum shields provided with two #6-32 spade bolts for easy assembly to the chassis. Shields have a satin finish. Inductances are accurate to within five per cent.

Dimensions: 1¼" dia. by 1⅛" high. Schematic No. 4.

Cat. No.	mh.	Ohms	ma	List Price
851	.5	8	125	$1.40
852	1.0	11	125	1.50
853	2.5	20	125	1.55
854	5.0	31	125	1.70
855	7.5	42	125	1.75
856	10	47	125	1.80
857	25	93	125	2.15
Dimensions: 1⅝" diameter by 1⅛" high.				
858	50	160	100	2.30
859	75	190	100	2.60
860	100	320	100	2.85
861	150	480	100	3.15

Heavy Duty Transmitter Chokes



No 4533

Miller Heavy Duty Navy Type chokes are recommended for use in the high power amateur transmitter and in commercial installations. They are sectional wound on ceramic forms with rigid terminal clips.

Dimensions: (form) ½" diameter by 3½" long.

Cat. No.	mh.	Ohms	ma	Schematic	List Price
4534	1.0	2.5	1000	1	$2.20
4535	1.5	3.6	1000	1	2.50
4533	2.5	4.5	750	1	2.75
4536	4.0	5.5	750	1	3.05
2881	7.0	7.2	750	1	4.95

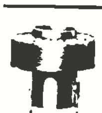
Prices Subject to Change or Withdrawal Without Notice

Encapsulated Radio Frequency Chokes

The following series of R.F. chokes range in value from 0.1 uh to 50 mh. Basically identical to our standard series of axial lead R.F. chokes bearing the equivalent number, these coils are encapsulated in epoxy resin and conform to MIL-C-15305A.

Part No.	Inductance ± 5%	Resistance ± 10%	Self Resonant Frequency	Q Frequency	Dimensions	Current MA	Schematic	List Price
4580-E	0.1 uh.	.01	540 Mc.	82 @ 25 Mc.	.375 x 1.125	300	1	$1.65
4582-E	0.15 uh.	.012	455 Mc.	90 @ 25 Mc.	.375 x 1.125	300	1	1.65
4584-E	0.22 uh.	.017	360 Mc.	92 @ 25 Mc.	.375 x 1.125	300	1	1.65
4586-E	0.33 uh.	.019	300 Mc.	95 @ 25 Mc.	.375 x 1.125	300	1	1.65
4588-E	0.47 uh.	.022	270 Mc.	105 @ 25 Mc.	.375 x 1.125	300	1	1.65
4590-E	0.68 uh.	.03	235 Mc.	110 @ 25 Mc.	.375 x 1.125	300	1	1.65
4592-E	0.75 uh.	.033	230 Mc.	115 @ 25 Mc.	.375 x 1.125	300	1	1.65
4594-E	0.82 uh.	.035	220 Mc.	115 @ 25 Mc.	.375 x 1.125	300	1	1.65
4602-E	1.0 uh.	.05	205 Mc.	110 @ 25 Mc.	.375 x 1.125	300	1	1.65
4604-E	1.5 uh.	.08	170 Mc.	68 @ 7.9 Mc.	.375 x 1.125	300	1	1.65
4606-E	2.4 uh.	.16	136 Mc.	70 @ 7.9 Mc.	.375 x 1.125	300	1	1.65
4608-E	3.9 uh.	.5	100 Mc.	70 @ 7.9 Mc.	.375 x 1.125	300	1	1.65
4609-E	5.5 uh.	.69	85 Mc.	70 @ 7.9 Mc.	.375 x 1.125	300	1	1.70
4610-E	6.2 uh.	.75	80 Mc.	70 @ 7.9 Mc.	.375 x 1.125	300	1	1.70
4611-E	8.2 uh.	1.12	70 Mc.	70 @ 7.9 Mc.	.375 x 1.125	300	1	1.70
4612-E	10.0 uh.	1.5	60 Mc.	70 @ 7.9 Mc.	.375 x 1.125	200	1	1.70
4622-E	10.0 uh.	.06	40 Mc.	85 @ 2.5 Mc.	.375 x 1.125	300	3	1.75
4624-E	15.0 uh.	.12	37 Mc.	85 @ 2.5 Mc.	.375 x 1.125	300	3	1.75
4626-E	24.0 uh.	.28	31 Mc.	80 @ 2.5 Mc.	.375 x 1.125	300	3	1.80
4628-E	39.0 uh.	.65	24 Mc.	85 @ 2.5 Mc.	.375 x 1.125	300	3	1.80
4629-E	55.0 uh.	.92	20 Mc.	90 @ 2.5 Mc.	.375 x 1.125	300	3	1.80
4630-E	62.0 uh.	1.0	18 Mc.	95 @ 2.5 Mc.	.375 x 1.125	300	3	1.80
4631-E	82.0 uh.	1.6	17 Mc.	110 @ 2.5 Mc.	.375 x 1.125	300	3	1.80
4632-E	100.0 uh.	2.0	14 Mc.	130 @ 2.5 Mc.	.375 x 1.125	200	3	1.80
4642-E	0.10 mh.	4.1	15 Mc.	20 @ 790 kc.	.500 x 1.125	125	1	2.00
4644-E	0.15 mh.	5.0	10.5 Mc.	25 @ 790 kc.	.500 x 1.125	125	1	2.00
4646-E	0.24 mh.	6.6	8.0 Mc.	20 @ 790 kc.	.500 x 1.125	125	1	2.00
4648-E	0.39 mh.	8.7	6.5 Mc.	20 @ 790 kc.	.500 x 1.125	125	1	2.10
4649-E	0.55 mh.	10.0	5.0 Mc.	20 @ 790 kc.	.625 x 1.125	125	1	2.10
4650-E	0.62 mh.	11.0	4.8 Mc.	20 @ 790 kc.	.625 x 1.125	125	1	2.10
4651-E	0.75 mh.	13.0	4.3 Mc.	20 @ 790 kc.	.625 x 1.125	125	1	2.10
4652-E	1.0 mh.	15.0	3.7 Mc.	35 @ 250 kc.	.625 x 1.125	125	1	2.10
4662-E	1.0 mh.	7.0	3.0 Mc.	95 @ 250 kc.	.625 x 1.125	125	3	2.15
4664-E	1.5 mh.	9.0	2.5 Mc.	100 @ 250 kc.	.625 x 1.125	125	3	2.20
4666-E	2.4 mh.	12.0	2.0 Mc.	100 @ 250 kc.	.625 x 1.125	125	3	2.30
4668-E	3.9 mh.	17.0	1450 kc.	90 @ 250 kc.	.750 x 1.375	125	3	2.40
4669-E	5.5 mh.	22.0	1280 kc.	85 @ 250 kc.	.750 x 1.375	125	3	2.55
4670-E	6.2 mh.	33.0	1170 kc.	110 @ 250 kc.	.750 x 1.375	100	3	2.55
4671-E	8.2 mh.	45.0	1050 kc.	100 @ 250 kc.	.750 x 1.375	100	3	2.80
4672-E	10.0 mh.	47.0	940 kc.	80 @ 250 kc.	.750 x 1.375	50	3	3.10
6302-E	2.5 mh.	8.3	1590 kc.	100 @ 250 kc.	.625 x 1.375	200	3	2.40
6304-E	5.0 mh.	13.5	1130 kc.	90 @ 250 kc.	.750 x 1.375	200	3	2.65
6306-E	10.0 mh.	28.0	820 kc.	90 @ 79 kc.	.750 x 1.375	125	3	2.90
6308-E	25.0 mh.	70.0	570 kc.	95 @ 79 kc.	.750 x 1.375	75	3	3.15
6310-E	50.0 mh.	110.0	330 kc.	90 @ 79 kc.	.750 x 1.375	75	3	3.40

Air Core Printed Circuit R.F. Chokes



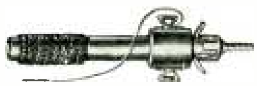
The following R.F. Chokes have been designed to offer a wide range of inductance values for use in printed circuit applications. Our standard stock of these coils is impregnated with a high grade coil varnish to prevent moisture absorption. On special orders we can supply these items treated with fungus resistant material, or encapsulated in epoxy resin to meet MIL-C-15305-A.

Coil length: 7/8" on all items. Diameter as tabulated.

Part No.	Inductance ±5% @ 1000 CPS	DC Resistance ± 10%	Self Resonant Frequency	Q Frequency	Diameter	Current	Schematic	List Price
970	1.0 mh.	17.2 ohms	1970 kc.	57 @ 250 kc.	.700	125 ma.	1	$ .65
971	1.2 mh.	19.8 ohms	1830 kc.	59 @ 250 kc.	.720	125 ma.	1	.65
972	1.5 mh.	21.8 ohms	1725 kc.	62 @ 250 kc.	.740	125 ma.	1	.65
973	1.8 mh.	24.7 ohms	1550 kc.	63 @ 250 kc.	.750	125 ma.	1	.70
974	2.2 mh.	27.4 ohms	1430 kc.	64 @ 250 kc.	.770	125 ma.	1	.75
975	2.7 mh.	31.2 ohms	1330 kc.	65 @ 250 kc.	.800	125 ma.	1	.75
976	3.3 mh.	34.8 ohms	1230 kc.	66 @ 250 kc.	.820	125 ma.	1	.75
977	3.9 mh.	38.9 ohms	1125 kc.	65 @ 250 kc.	.850	125 ma.	1	.75
978	4.7 mh.	43.2 ohms	1060 kc.	66 @ 250 kc.	.875	125 ma.	1	.75
979	5.6 mh.	48.0 ohms	950 kc.	64 @ 250 kc.	.910	125 ma.	1	.75
980	6.8 mh.	53.6 ohms	895 kc.	64 @ 250 kc.	.950	125 ma.	1	.80
981	8.2 mh.	60.8 ohms	650 kc.	48 @ 250 kc.	.850	100 ma.	1	.80
982	10.0 mh.	68.0 ohms	600 kc.	54 @ 79 kc.	.880	100 ma.	1	.85
983	12.0 mh.	77.0 ohms	530 kc.	58 @ 79 kc.	.910	100 ma.	1	.85
984	15.0 mh.	87.7 ohms	498 kc.	61 @ 79 kc.	.950	100 ma.	1	.90
985	18.0 mh.	97.9 ohms	463 kc.	64 @ 79 kc.	.985	100 ma.	1	.90
986	22.0 mh.	108.0 ohms	400 kc.	64 @ 79 kc.	.985	75 ma.	1	1.00
987	27.0 mh.	121.0 ohms	367 kc.	64 @ 79 kc.	1.045	75 ma.	1	1.00
988	33.0 mh.	209 ohms	360 kc.	55 @ 79 kc.	1.000	75 ma.	1	1.10
989	39.0 mh.	231 ohms	330 kc.	55 @ 79 kc.	1.050	75 ma.	1	1.10
990	47.0 mh.	263 ohms	238 kc.	50 @ 79 kc.	.910	50 ma.	1	1.15
991	56.0 mh.	292 ohms	221 kc.	49 @ 79 kc.	.950	50 ma.	1	1.20
992	68.0 mh.	326 ohms	200 kc.	42 @ 79 kc.	1.000	50 ma.	1	1.30
993	82.0 mh.	368 ohms	181 kc.	39 @ 79 kc.	1.025	50 ma.	1	1.40
994	100.0 mh.	394 ohms	172 kc.	37 @ 79 kc.	1.075	50 ma.	1	1.50

Prices Subject to Change or Withdrawal Without Notice

High-Q Ferrite Antenna Coil



This new highly efficient broadcast band antenna coil is ideal for use in small receivers where no external antenna is desired and the dimensions of a loop antenna do not allow for sufficient signal pickup. The following features contribute to the extraordinary performance:

High permeability, low-loss ferrite tuning core, combined with multistrand Litz wire, giving a very high-Q coil (approx. 250).

Universal *progressive winding* for low distributed capacity and low losses at high frequencies.

Polyethylene insulated antenna wire; 18" of this wire is supplied with the coil.

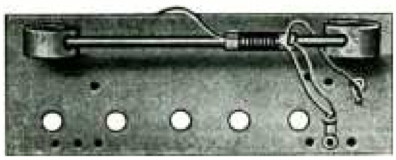
The inductance may be accurately adjusted with a screw driver for use with any variable capacitor having a maximum capacity between 350 and 450 mmf. The mounting clip fits into a 5/16" diameter hole. The antenna wire should be attached by means of tape or cement to the inside of the plastic or wood cabinet.

The Cat. No. 6300 Coil may directly replace a loop without the necessity of removing the loop from the set. Supplied with mounting bracket.

Dimensions: 3/8" diameter x 2¼" long.
Packaged in an attractive display carton of 24 pieces.

Cat. No.	Use	Frequency Range	Schematic	List Price
6300	Antenna Stage	540-1700 KC	5	$1.25

Ferrite Rod Loop Antenna



The electrical characteristics of this newly developed type Ferrite Rod Loop Antenna make possible a general replacement loop that offers outstanding performance. Reception of distant stations will be improved to the extent that no antenna or ground will be required, and on local stations much better reception will be insured. The Loop Rod Antenna has an adjustable inductance which makes it possible to peak the antenna stage by merely sliding the coil along the ferrite rod; this also enables it to be used with a variety of tuning condensers.

Loop tunes the B.C. Band with 300 to 400 mmf. Variable condenser.

Cat. No.	Dimensions	Schematic	List Price
705-A	3¼" x 9½"	48	$2.75

Universal Replacement Coils

To meet the needs of the serviceman and experimenter, we have developed a series of small iron core variable inductance coils for the broadcast band. These coils are well suited for general replacement use in receivers where manufacturers' coils are no longer available. The inductance may be adjusted for use with any variable condenser having a maximum capacity between 250 and 450 mmf. The oscillator coil may be adjusted to track with all intermediate frequency amplifiers between 100 and 550 KC in any type of oscillator circuit. It has a tapped secondary and a primary.

Unshielded

Dimensions: 7/8" diameter x 2" high. "L" mtg. bracket.

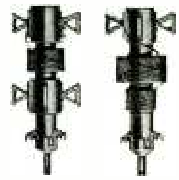
Cat. No.	Use	Frequency Range	Schematic	List Price
72-A	Antenna	500-1800 KC	102	$2.30
72-RF	R.F. Stage	500-1800 KC	102	2.30
72-OSC	Oscillator	(see text above)	71	2.30

Shielded

Dimensions: 1⅜" square x 2½" high.

Cat. No.	Use	Frequency Range	Schematic	List Price
73-A	Antenna	500-1800 KC	90	$2.85
73-RF	R.F. Stage	500-1800 KC	90	2.85
73-OSC	Oscillator	(see text above)	101	2.85

Miniature Adjustable R.F. Coils



Their small physical size and the fact that they can be adjusted to the inductance required, make these coils ideally suited for replacement in broadcast band receivers. Antenna and R.F. coils have high impedance primaries and high-Q Litz wire wound secondaries for use with any variable condenser having a maximum capacity between 250 and 450 mmf.

The 70 Oscillator coil has a primary and a tapped secondary, while the 69 Oscillator has a capacity coupled winding. These coils are for use in all common padded and unpadded oscillator circuits. They may be adjusted to track with I.F. amplifiers between 100 and 550 Kc.

Dimensions: ½" diameter x 1½" long (Nos. 70-A and 70-RF).
½" diameter x 1⅛" long (No. 69-OSC. and No. 70-OSC)

Cat. No.	Use	Frequency Range	Schematic	List Price
70-A	Antenna	540-1600 KC	48	$1.50
70-RF	R.F. Stage	540-1600 KC	48	1.50
70-OSC	Oscillator	540-1600 KC	71	1.50
69-OSC	Oscillator	540-1600 KC (I.F. 100-550 KC)	96	1.50

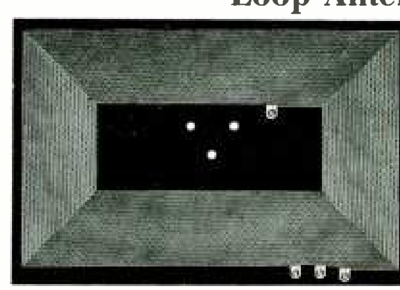
Universal Adjustable Oscillator Coil

It will be difficult to find a broadcast band receiver where this oscillator coil will not properly operate. It has a primary with 2 taps thus allowing 6 different feed-back combinations, including cathode coupling. It may be adjusted for any intermediate frequency within the range of 100-550 KC; it will track with variable condensers having a maximum value between 250 and 450 mmf in padded circuits and between 100 and 200 mmf in unpadded circuits. Mounting clip fits into a 5/16" diameter hole.

Dimensions: 5/8" by 1½" high.

Cat. No.	Use	Frequency Range	Schematic	List Price
71-OSC	Oscillator	R.F. 500-1800 KC (I.F. 100-550 KC)	93	$2.00

Loop Antenna



The Miller No. 703A Loop Antenna utilizes the patented "Air Loop"* construction which provides high Q and mechanical rigidity. The loop conductors are embossed into the surface of the masonite backing plate which, in many cases, may be used as a back cover of midget radio receivers. The Q of the loop is 150 at 790 KC and is substantially uniform throughout the standard broadcast band. The loop as supplied has a secondary inductance of 253 microhenries. The inductance may be reduced as necessary by removing turns from the inside or grid terminal and instructions are packed with each loop.

May be used in older sets to replace antenna coil for local reception without antenna or ground connections.

Dimensions: 8⅛" wide x 5⅜" high x ⅛" thick.

Cat. No.	Use	Frequency Range	Schematic	List Price
703A	Loop Antenna	540-1700 KC	76	$2.75

Miniature Adjustable R.F. Chokes

These new duo-lateral wound chokes have a threaded ferrite iron core confined entirely within **a nylon** coil form. They have two terminals and are intended to be self-supported by connecting wires. They are especially suitable as **peaking coils** in video amplifiers for accurate adjustment of the frequency response.

Dimensions: 3/8" diameter x 1⅜" long. Range is greater than specified.

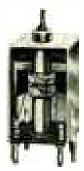
Schematic No. 5.

Cat. No.	Microhenries	List Price
4562	35- 70	$ .85
4563	60-120	.95
4564	110-200	1.05
4565	190-330	1.15
4566	320-500	1.25

Prices Subject to Change or Withdrawal Without Notice

Miniature High-Q R.F. Coils

(Permeability-Tuned)



Using cup core construction, we offer a shielded Antenna and R.F. coil in a ¾" sq. shield with Q values resulting in material gain ahead of the mixer stage. An adjustable tuning core allows the inductance to be varied over sufficient range for use with the more popular variable capacitors. Satisfactory results may be obtained by using these coils with tuning capacitors having a maximum capacity of 365 to 480 mmfd. The R.F. coils are impedance coupled, while the Antenna and Oscillator coils have tapped windings.

Dimensions of shield: ¾" sq. x 1⅜" high.

Cat. No.	Use	Freq. Range	Schematic	List Price
A-123-A	Antenna Stage	535—1700 kc	44	$2.25
A-123-RF	R.F. Stage	535—1700 kc	91	2.25
A-123-C	Osc. Stage	455 kc—.0004 Pad	44	2.00

Miniature R.F. Coils

This series of Miller iron core coils are expressly designed for use with miniature tubes in ultra compact receivers. All coils are assembled in aluminum shields with sturdy solder terminals located in the base plate. The R.F. coils are impedance coupled and the antenna and oscillator coils have tapped secondaries. Supplied with snap-spring mounting clips for fastening to the chassis. For use with 365 MMFD tuning condensers, Miller types 2112 and 2113. Oscillator coils for use with 455 KC I.F., except A-121-H operating with 262 KC I.F.

Dimensions: ¾" square by 2" high.

Cat. No.	Use	Range	Schematic	List Price
X-121-A	Antenna Stage	140-425 KC	106	$2.20
X-121-RF	R.F. Stage	140-425 KC	107	2.20
X-121-C	Oscillator Stage	120 MMFD Series Pad	106	2.20
A-121-A	Antenna Stage	540-1700 KC	106	1.85
A-121-RF	R.F. Stage	540-1700 KC	107	1.85
A-121-C	Osc. Stage (455 KC)	400 MMFD Series Pad	106	1.85
A-121-H	Osc. Stage (262 KC)	600 MMFD Series Pad	106	1.85
B-121-A	Antenna Stage	2.1-6.3 MC	106	1.85
B-121-RF	R.F. Stage	2.1-6.3 MC	107	1.85
B-121-C	Oscillator Stage	1600 MMFD Series Pad	106	1.85

Sub-Miniature I.F. Transformers

We are now able to supply a 455 kc intermediate frequency transformer which has all the desirable features of the conventional size I.F. and is smaller than a MINIATURE tube. Through the use of a Ferrite shell core material these Sub-Miniature I.F. Transformers offer the gain and bandwidth characteristics previously obtained in only larger I.F. assemblies.

It is now possible to construct personalized receivers smaller than ever before.

For AC-DC or Battery Radios.

Dimensions: ½" square by 1½" high.

Cat. No.	Item	Schematic	List Price
10-C1	455 kc Input Transformer	35	$2.60
10-C2	455 kc Output Transformer	35	2.60

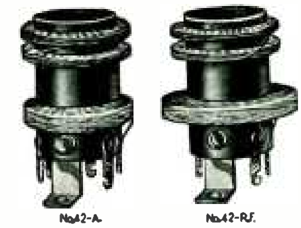
Phono-Oscillator Coil

The Miller Phono-Oscillator coil is used in the construction of radio operated phonograph players. The coils are permeability tuned and are assembled in an aluminum shield. The frequency range as provided by the adjustable iron core is from 540 to 700 KC. The windings are of the sectional duo-lateral type. The oscillator grid leak and grid coupling condenser are included in the coil assembly. A typical circuit diagram is supplied with each coil.

Dimensions: 1$\frac{7}{16}$" square x 2½" high.

Cat. No.	Use	Range	Schematic	List Price
522	Phono-Oscillator	540-700 KC	92	$3.30

High Gain T.R.F. Coils



For receiver circuits where a larger coil may be used in order to obtain higher "Q" and gain, also achieving selectivity in T.R.F. circuits comparable with that of smaller superhets. Coils are for use with a 365 mmfd. variable condenser.

Dimensions: 1⅜" diameter by 2" high.

Cat. No.	Use	Range	Schematic	List Price
42-A	Antenna Stage	540-1600 KC	49	$1.40
42-RF	R.F. Stage	540-1600 KC	49	1.40

Economy T.R.F. Coils

These broadcast band coils were commonly used in early tuned-radio-frequency receivers and are now useful for experimental and low-cost radios or replacement service. Unshielded, inexpensive coils but having very good efficiency. Secondary winding is a single-layer solenoid and the primary is of the low impedance type wound on an adjustable sleeve slipped over the secondary winding. Both coils wound on bakelite tubing. Convenient "L"-type bracket mounting. For use with a standard 0.000365 mfd variable tuning condenser.

Dimensions: 1⅛" diameter by 2" high.

Cat. No.	Use	Range	Schematic	List Price
20-A	Antenna Stage	540-1750 KC	76	$ .95
20-RF	R.F. Stage	540-1750 KC	76	.95

Universal Wound Coils

Single section, duo-lateral wound, Litz wire secondary. High impedance primaries. Wound on impregnated ceramic dowels and provided with a bakelite terminal plate. For use with a .000365 mfd. variable condenser. ABP type combines antenna and band-pass coils on a single form 2⅛" long.

Cat. No.	Use	Range	Schematic	List Price
5480-A	Antenna Stage	540-1600 KC	49	$1.25
5480-RF	R.F. Stage	540-1600 KC	49	1.50
5480-ABP	Ant.-Band-pass Stage	540-1600 KC	50	1.75

Midget Oscillator Coils

Similar in construction to the 5480 series coils, these oscillators may be used with any of the pentagrid converter tubes. They are available for all of the popular intermediate frequencies and may be used with any of the Miller antenna and R.F. coils, as well as for general replacement service. They are for use with a .000365 variable condenser to cover the broadcast band from 540 to 1600 KC. For use unshielded.

Dimensions: 1" diameter by 1" high.

Cat. No.	I.F. Frequency	Series Pad	Schematic	List Price
5480-K	175 KC	.001 mfd.	37	$1.25
5480-H	262 KC	.0006 mfd.	37	1.25
5480-C	455 KC	.0004 mfd.	37	1.25

Tapped Oscillator Coils

Similar to the #5480 series oscillator coils except that no primary is used and the secondary is tapped for cathode return. For use with type 6SA7 and similar mixer tubes, and when separate oscillator and mixer tubes are used.

Cat. No.	I.F. Frequency	Series Pad	Schematic	List Price
5481-K	175 KC	.001 mfd.	53	$1.25
5481-H	262 KC	.0006 mfd.	53	1.25
5481-C	455 KC	.0004 mfd.	53	1.25

Prices Subject to Change or Withdrawal Without Notice

Progressive Wound Coils

These coils are used in quality receivers where precision construction and supreme performance are indicated. Secondaries are Litz wire wound. High impedance primaries with capacity coupling, wound on bakelite tubing and for use with a standard .000365 mfd. variable condenser.

Dimensions: 7/8" diameter (form) by 2 3/4" high.

Cat. No.	Use Unshielded	Range	Schematic	List Price
241-A	Antenna Stage	540-1750 KC	104	$1.50
241-BP	Band-Pass Stage	540-1750 KC	1	1.25
241-RF	R.F. Stage	540-1750 KC	104	1.50

Dimensions: 1 7/8" diameter x 3" high.

Cat. No.	Use Shielded	Range	Schematic	List Price
242-A	Antenna Stage	540-1750 KC	105	$2.00
242-BP	Band-Pass Stage	540-1750 KC	2	1.75
242-RF	R.F. Stage	540-1750 KC	105	2.00

De-Luxe Oscillator Coils

A solenoid oscillator coil series, for use with the 241 and 242 types of broadcast band coils, commonly used with the converter types of tubes, such as 6BE6, 6SA7, 6K8, etc. Similar in construction and dimensions to the Progressive Wound coils. The indicated intermediate frequencies listed are nominal, and deviations of a few kc are permissible. Where space permits, these coils may be used for general replacement service (for use with receivers having a 540-1750 KC range with .000365 mfd. variable).

Dimensions: 7/8" diameter (form) by 2 3/8" high.

Cat. No.	I.F. Freq. Unshielded	Series Pad	Schematic	List Price
276-K	•175 KC	.001 mfd	37	$1.50
276-H	262 KC	.0006 mfd	37	1.50
276-C	455 KC	.0004 mfd	37	1.50

Dimensions: 1 7/8" diameter x 3" high.

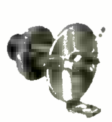
Cat. No.	I.F. Freq. Shielded	Series Pad	Schematic	List Price
277-K	175 KC	.001 mfd	38	$1.75
277-H	262 KC	.0006 mfd	38	1.75
277-C	455 KC	.0004 mfd	38	1.75

Tapped Oscillator Coils

Cat. No.	I.F. Freq. Unshielded	Series Pad	Schematic	List Price
278-H	262 KC	.0006 mfd	53	$1.25
278-C	455 KC	.0004 mfd	53	1.25

Cat. No.	I.F. Freq. Shielded	Series Pad	Schematic	List Price
279-H	262 KC	.0006 mfd	38	$1.75
279-C	455 KC	.0004 mfd	38	1.75

Adjustable R.F. Chokes



Small R.F. Chokes having inductance values not normally produced by other manufacturers. For the experimenter, a series of adjustable iron-core chokes with an average inductance ratio of approximately 1 1/2 to 1.

Dimensions: 1 1/8" diameter by 1 1/4" long.

Cat. No.	mh.	Ohms	ma	Schematic	List Price
6158	.05- .1	1.5	200	5	$1.40
6159	.1- .2	2.1	200	5	1.40
6160	.2- .4	3.3	200	5	1.40
1050	.4- .75	11	125	5	1.40
1051	.7- 1.05	13	125	5	1.40
1052	1.0- 1.5	16	125	5	1.40
1053	1.5- 2.25	20	125	5	1.40
1054	2. - 3.	24	125	5	1.40
1055	3. - 4.5	31	125	5	1.65
1056	4.5- 7.0	39	125	5	1.65
1057	7.0-10.5	53	125	5	1.65
1058	10. -15.	68	125	5	1.65
1059	15. -22.5	87	125	5	1.95
1060	20. -30.	105	100	5	1.95
1061	30. -45.	138	100	5	1.95

Untuned Antenna and R.F. Coils

These untuned antenna and radio frequency coils are broadly self-resonant throughout the standard broadcast band from 540 to 1700 KC. They are used mostly in AM High-Fidelity Tuners. They may be used for increasing the sensitivity of small receivers by merely adding the coil and a radio frequency amplifier tube. The coils are shielded in aluminum cans and are provided with the #6-32 spade bolts for assembly to the chassis.

Dimensions: 1 5/8" diameter x 2 1/2" high.

Cat. No.	Use	Range	Schematic	List Price
472-UA	Antenna Stage	540-1700 KC	58	$2.25
472-UT	R.F. Stage	540-1700 KC	105	2.75

Negative Mutual Coupling Coils

EL-56

These negative mutual coils are used primarily in AM High Fidelity tuners or receivers and are offered to the experimenter and constructor for use in all types of band-pass coupled circuits, such as monitors and aircheck receivers. The coils are bi-filar wound on bakelite forms and assembled in aluminum shields. They may be used with Miller broadcast band radio frequency coils, such as type 242. Coils have mounting brackets separate from the spade bolts used for mounting the shield. May be used unshielded in some circuits.

Dimensions: 1 7/8" diameter x 2" high (shielded).

Cat. No.	Use	Schematic	List Price
EL-56	Negative Mutual Coil, Shielded	62	$1.35
EL-55	Negative Mutual Coil, Unshielded	61	1.10

Standard Bank Wound Coils

High gain secondaries and high impedance primaries combine to produce an all-around coil for the constructor and serviceman. Have excellent characteristics and exceptional performance. For use with a standard .000365 mfd. variable condenser. Coils are wound on impregnated Kraft tubing. Available both shielded and unshielded. Coils are thoroughly impregnated in low loss tropicalized Q-Max lacquer, insuring satisfactory operation in humid climates.

Dimensions: 5/8" diameter (form) by 2 1/8" high.

Cat. No.	Use Unshielded	Range	Schematic	List Price
43-A	Antenna Stage	540-1700 KC	49	$1.25
43-RF	R.F. Stage	540-1700 KC	49	1.25
43-BP	Band-Pass Stage	540-1700 KC	1	1.25

Dimensions: 1 3/8" square x 2 1/2" high.

Cat. No.	Use Shielded	Range	Schematic	List Price
44-A	Antenna Stage	540-1700 KC	103	$1.50
44-RF	R.F. Stage	540-1700 KC	103	1.50
44-BP	Band-Pass Stage	540-1700 KC	2	1.50

Oscillator Coils

The oscillator coils for the 43 and 44 coils are solenoid wound and are similar in construction. Two types are listed—one type for the pentagrid converter tubes and one for the type 6SA7 tubes or for other cathode feed-back oscillator circuits.

Dimensions: 5/8" diameter (form) by 2 1/8" high.

Cat. No.	I.F. Freq. Unshielded	Series Pad	Schematic	List Price
43-H	262 KC	.0006 mfd	76	$1.20
43-C	455 KC	.0004 mfd	76	1.20

Tapped oscillator coils (for 6SA7 and similar tubes)

Cat. No.	I.F. Freq. Unshielded	Series Pad	Schematic	List Price
45-H	262 KC	.0006 mfd	53	$1.20
45-C	455 KC	.0004 mfd	53	1.20

Dimensions: 1 3/8" square x 2 1/2" high.

Cat. No.	I.F. Freq. Shielded	Series Pad	Schematic	List Price
44-C	455 KC	.0004 mfd	38	$1.45

Tapped oscillator coils (for 6SA7 and similar tubes)

Cat. No.	I.F. Freq. Shielded	Series Pad	Schematic	List Price
41-C	455 KC	.0004 mfd	58	$1.45

Prices Subject to Change or Withdrawal Without Notice

High Fidelity FM Tuner

A carefully designed high quality tuner featuring excellent performance and distinctive styling at a moderate price. Many features of the Miller 560 FM tuner are found only in more expensive units. The circuit consists of a grounded grid R.F. amplifier, two I.F. stages, one limiter stage, and a Foster-Seely discriminator. This arrangement assures good sensitivity and a high signal to noise ratio. Automatic frequency control eliminates annoying frequency drift. A neon tuning indicator permits accurate center frequency tuning. The 560 is self-powered, and has a built-in antenna for local reception. Completely shielded, this tuner meets FCC radiation specifications. It is also UL approved for safety. Two output jacks are provided. One output is controlled by the volume control on the front panel while the other is uncontrolled and is for use when it is desired to operate all controls from a central location.

Dimensions: 10" wide x 4¼" high x 7½" deep. Shipping weight: 9 lbs.

Cat. No.	Item	Audiophile Net Price
560	FM Tuner	$59.95

FM Variable Condenser

This 3-gang tuning condenser is rigidly constructed with widely spaced plates to avoid microphonics. To insure highest frequency stability, it is recommended to remove mica compression trimmer plates on all three or at least on the oscillator section, and to use ceramic trimmers of suitable value. (3-12 mmf.) Tuning condensers are supplied with a ¼" shaft. Our FM Signal Frequency Coils are designed for use with them (frequency range 88-108 MC).

Cat. No.	Item	List Price
1461	3-Gang FM Tuning Condenser (3-16 mmf)	$5.00

FM I.F. Transformer (10.7 Mc)

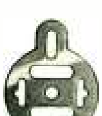
These permeability tuned 10.7 MC intermediate frequency transformers are assembled in aluminum shield 1⅛" square by 2½" high. Adjustment is from top and bottom of the shield. High "Q" zero drift condensers are used throughout. All connections are made to solder lugs at the base of the transformer. Mounting is by two #6-32 spade bolts on 1¹⁄₁₆" centers.

Cat. No.	Item	Schematic	List Price
1451	10.7 MC Interstage Transformer	35	$2.50
1452	10.7 MC Discriminator Transformer	63	3.40
1453	10.7 MC Ratio Detector Transformer	19	3.40

Mounting Clip

Mounting clip #180 is a special device which is inserted through slots in the equipment chassis and locks in the side of the K-TRAN transformer providing a rigid support.

Adapter Plate



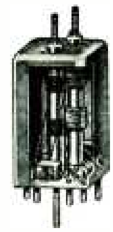
Adapter plate #181 is used when the equipment chassis is not punched with the proper mounting holes for the K-TRAN transformers. The adapter plate mounts over a standard octal tube socket hole. Mounting clip #180 is then inserted through slots in the adapter plate.

J-TRAN Alignment Tool

The J-TRAN alignment tool is for use with transformers using cores with hex openings. The tool has a hex head on each end. One of the ends is undercut to permit aligning top and bottom windings of a transformer without going to other side of chassis. Hex portion of tool is .100" wide. **See price index for bulk prices.**

Cat. No.	Item	List Price
180	Mounting Clip	$ .10
181	Adapter Plate	.20
182	J-TRAN Alignment Tool	.50

FM-AM Composite I.F. Transformer, 10.7 Mc & 455 kc

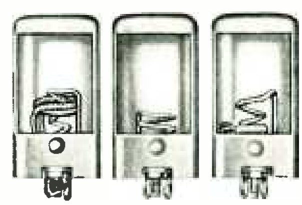


Two permeability tuned I. F. Transformers mounted in the same shield can, one operating at 10.7 MC and the other at 455 KC. All connections are brought out independently. This transformer can be used in the input, intermediate and output stages of the I. F. amplifier by providing jumper connections. In a conventional AM-FM receiver, two of these transformers, followed by Cat. No. 1453 ratio detector, may be used. Mounting: Two #6-32 spade bolts on 1⁵⁄₁₆" centers.

Dimensions: 1⅜" by 1⅜" by 2½" high.

Cat. No.	Item	Schematic	List Price
1462	10.7 MC/455 KC I. F. Transformer	64	$4.75

FM Signal Frequency Coils



R.F. coils for the 88-108 mc FM band redesigned for higher Q values to give improved selectivity and higher gain. Made of hard-drawn copper wire wound in a self-supporting rigid form. Enclosed in aluminum shields to minimize stray coupling. All connections are made to solder lugs at the base of the shield. Two #6-32 spade bolts are used for mounting to the chassis. Use with No. 1461 variable condenser.

Dimensions: 1⅛" by 1⅛" by 2⅜" high.

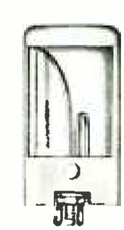
Cat. No.	Item	Schematic	List Price
1454	88-108 MC Antenna Coil	60	$2.35
1455	88-108 MC R.F. Coil	59	2.35
1456	88-108 MC Oscillator Coil (10.7 MC I.F.)	58	2.35

FM Adjustable R.F. Coils

Signal frequency coils for the 88 to 108 megacycle band are permeability tuned by means of a high frequency powdered iron core. The tuning feature makes it possible to compensate for differences in lead lengths and for capacity variations of the variable capacitor (Cat. No. 1461 recommended). These coils are designed for mounting under the chassis, but could also be mounted above the chassis or on a separate bracket. Mounting clip fits into ⁷⁄₁₆" diameter hole.

Cat. No.	Item	Schematic	List Price
1447	88-108 MC Antenna Coil	48	$1.65
1448	88-108 MC R.F. Coil	7	1.65
1449	88-108 MC Osc. Coil (10.7 MC I.F.)	7	1.65

VHF High-Q R.F. Coils for Amateur or Mobile Service



A new series of high-Q r.f. coils designed for use in the very-high-frequency bands by amateurs, taxicab call systems, police networks, general mobile service, etc. The unique construction of these VHF coils permits extremely close inductance control with better-than-average Q-values and excellent stability which is so necessary for mobile work. The secondary circuit is formed by a tongue punched from the side of the copper shield. Tongue and interior of shield are heavily silver plated for best conductivity to maintain a high Q-factor. Extremely wide tuning range. Can be used with conventional tubes from about 110 to approximately 235 mc. Upper frequency limit controlled principally by capacity of wiring and tubes with which coils are used. In best operating range, unloaded Q-values in neighborhood of 200. (Shield of copper and silver plated.)

Dimensions: 1⅛" by 1⅛" by 2⅜" high.

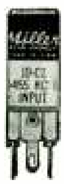
Cat. No.	Item	Schematic	List Price
1444	110-235 MC Antenna Coil	60	$5.50
1445	110-235 MC R.F. Coil	60	5.50
1446	110-235 MC Oscillator Coil	60	5.50

Prices Subject to Change or Withdrawal Without Notice

INTERMEDIATE FREQUENCY TRANSFORMERS

Permeability Tuned

Sub-Miniature I.F. Transformers



We are now able to supply a 455 kc intermediate frequency transformer which has all the desirable features of the conventional size I.F. and is smaller than a MINIATURE tube. Through the use of a Ferrite shell core material these Sub-Miniature I.F. Transformers offer the gain and bandwidth characteristics previously obtained in only larger I.F. assemblies.

It is now possible to construct personalized receivers smaller than ever before.

For AC-DC or Battery Radios.

Dimensions: ½" square by 1½" high.

Cat. No.	Item	Schematic	List Price
10-C1	455 kc Input Transformer	35	$2.60
10-C2	455 kc Output Transformer	35	2.60

Permeability Tuned Transformers

Miller permeability tuned intermediate frequency transformers are recommended for all applications where a high degree of frequency stability and operation under humid conditions will be encountered. Zero-drift silver-mica condensers are used. The two iron core adjusting screws are accessible from the side of the aluminum shield and are provided with screw-driver slots. Transformers are of the tuned-plate, tuned-grid type and have excellent gain and selectivity characteristics. An internal spring clip locks against the adjusting screw threads and prevents vibration from affecting the adjustment.

Dimensions: 1⅜" square x 3¼" high. #6/32 spade bolt mounting.

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
912-M1	132	127-137	Input	35	$4.50
912-M2	132	127-137	Interstage	35	4.50
912-M3	132	127-137	Full-Wave	56	4.50
912-M4	132	127-137	Half-Wave	35	4.50
912-K1	175	165-185	Input	35	4.50
912-K2	175	165-185	Interstage	35	4.50
912-K3	175	165-185	Full-Wave	56	4.50
912-K4	175	165-185	Half-Wave	35	4.50
912-H1	262	250-275	Input	35	4.00
912-H2	262	250-275	Interstage	35	4.00
912-H3	262	250-275	Full-Wave	56	4.00
912-H4	262	250-275	Half-Wave	35	4.00
912-C1	455	450-475	Input	35	4.00
912-C2	455	450-475	Interstage	35	4.00
912-C3	455	450-475	Full-Wave	56	4.00
912-C4	455	450-475	Half-Wave	35	4.00
912-W1	1500	1400-1600	Input	35	4.00
912-W2	1500	1400-1600	Interstage	35	4.00
912-W3	1500	1400-1600	Full-Wave	56	4.00
912-W4	1500	1400-1600	Half-Wave	35	4.00

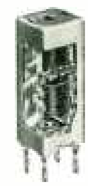
Midget Perm. Tuned Transformers

These Miller permeability tuned intermediate frequency transformers are similar in construction to our standard series 912, except that they are assembled in aluminum shields measuring only 1⅛" square by 2" high. All of the desirable features of permeability tuning have been retained in this compact transformer and it is particularly recommended for use in battery portable receiver and for small aircraft receivers. Tuning adjustment is from the side of the shield.

Dimensions: 1⅛" square x 2" high. #6/32 spade bolt mounting.

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
1312-M1	132	127-137	Input	35	$4.00
1312-M2	132	127-137	Interstage	35	4.00
1312-M3	132	127-137	Full-Wave	56	4.00
1312-M4	132	127-137	Half Wave	35	4.00
1312-C1	455	450-475	Input	35	3.50
1312-C2	455	450-475	Interstage	35	3.50
1312-C3	455	450-475	Full-Wave	56	3.50
1312-C4	455	450-475	Half-Wave	35	3.50
1312-W1	1500	1400-1600	Input	35	3.50
1312-W2	1500	1400-1600	Interstage	35	3.50
1312-W3	1500	1400-1600	Full-Wave	56	3.50
1312-W4	1500	1400-1600	Half-Wave	35	3.50

Miniature I.F. Transformers



Designed for experimental use and for general replacement in "personal" radio receivers, this series of shell core permeability tuned transformers are becoming increasingly popular. Tuning from top and bottom of the shield. Transformers are available for all standard I.F. frequencies. Supplied with a mounting clip which may be installed through suitable holes in chassis.

***(With diode filter capacitors)**

Dimensions: ¾" by ¾" by 2" high.

Cat. No.	Item		Schematic	List Price
12-H1	262 KC Output I.F. Trans.		35	$2.60
12-H2	262 KC Input I.F. Trans.		35	2.60
12-H6	262 KC Output I.F. Trans.*		87	2.75
12-C1	455 KC Input I.F. Trans.		35	2.30
12-C2	455 KC Output I.F. Trans.		35	2.30
12-C6	455 KC Output I.F. Trans.*		87	2.45
12-C7	455 KC Input I.F.	Battery Radios	35	2.30
12-C8	455 KC Output I.F.	Battery Radios	35	2.30
12-C9	455 KC Input I.F.	AC-DC Radios	35	2.30
12-C10	455 KC Output I.F.	AC-DC Radios	35	2.30
13-W1	1500 KC Input or Interstage I.F. Trans.		35	2.50
13-W2	1500 KC Output I.F. Trans.		35	2.50
1463	10.7 MC Input or Interstage		35	2.85
1464	10.7 MC Discriminator		20	3.40
1464-WB	10.7 MC Discriminator 900 KC Peak to Peak		20	3.40
1465	10.7 MC Ratio Detector		19	3.40
1465-WB	10.7 MC Ratio Detector 800 KC Peak to Peak		19	3.40
6203	4.5 MC Input or Interstage		35	2.85
6204	4.5 MC Discriminator		20	3.40
6205	4.5 MC Ratio Detector		19	3.40
6261	21.25 MC Discriminator		20	3.40
6262	21.25 MC Ratio Detector		19	3.40
6230	TV Converter I.F.		27	2.50
6231	TV 44 MC First I.F.	Trap	27	2.50
6232	TV 42.5 MC Second I.F.	41.25 MC	26	2.10
6233	TV 45.5 MC Third I.F.	47.25 MC	26	2.50
6234	TV 44 MC Fourth I.F.		22	1.85

Miniature Printed Circuit I.F. Trans.

This series of miniature I.F. transformers have been specifically designed for printed circuit applications. They may be used in new equipment design, or as replacement transformers in receivers presently on the market.

Same as our regular miniature I.F. transformers shown above, except for terminals and mounting. Supplied in all standard I.F. frequencies.

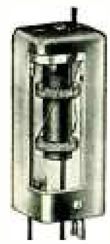
***(With diode filter capacitors)**

Dimensions: ¾" sq. x 2" high. Schematics same as above.

Cat. No.	Item		List Price
13-PH1	262 KC Input I.F. Trans.		$2.60
13-PH2	262 KC Output I.F. Trans.		2.60
13-PH6	262 KC Output I.F. Trans.*		2.75
13-PC1	455 KC Input I.F. Trans.		2.50
13-PC2	455 KC Output I.F. Trans.		2.50
13-PC6	455 KC Output I.F. Trans.*		2.65
13-PC7	455 KC Input I.F. Trans.	Battery Radios	2.50
13-PC8	455 KC Output I.F. Trans.	Battery Radios	2.50
13-PC9	455 KC Input I.F. Trans.	AC-DC Radios	2.50
13-PC10	455 KC Output I.F. Trans	AC-DC Radios	2.50
6203-PC	4.5 MC Input or Interstage Trans.		2.85
6204-PC	4.5 MC Discriminator Trans.		3.40
6205-PC	4.5 MC Ratio Detector Trans.		3.40
6206-PC	4.5 Mc Ratio Det. (GE-RTD-026)		4.50
6207-PC	4.5 Mc Ratio Det. (GE-RTD-025)		3.75
6208-PC	4.5 Mc Ratio Det. (GE-RTD-020)		4.50
1463-PC	10.7 MC Input or Interstage Trans.		2.85
1464-PC	10.7 MC Discriminator Trans.		3.40
1465-PC	10.7 MC Ratio Detector Trans.		3.40
6230-PC	TV 44 MC Converter I.F. Trans.		2.75
6231-PC	TV 44 MC First I.F. Trans.		2.75
6232-PC	TV 42.5 MC Second I.F. Trans.	Trap 41.25 MC	2.40
6233-PC	TV 45.5 MC Third I.F. Trans.	Trap 47.25 MC	2.75
6234-PC	TV 44 MC Fourth I.F. Trans.		2.25

Prices Subject to Change or Withdrawal Without Notice

Air Core Transformers

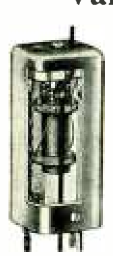


These air core transformers have for many years been the standard for general replacement and experimental use. They have moderate gain and excellent stability and are suitable for use in either single or two-stage amplifiers. In most cases the input stage is adjusted to optimum coupling and the interstage units are adjusted to slightly greater than optimum. The ceramic compression trimmers used on these transformers have been stabilized by a heat-cycling process which reduces temperature capacity drift to a minimum. The full-wave and half-wave types are overcoupled. All transformers are supplied with color coded leads.

Dimensions: 1⅜" square x 2⅝" high. #6/32 spade bolt mounting.

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
512-M1	132	127-137	Input	36	$2.85
512-M2	132	127-137	Interstage	36	2.85
512-M3	132	127-137	Full-Wave	82	2.85
512-M4	132	127-137	Half-Wave	36	2.85
512-K1	175	165-185	Input	36	2.85
512-K2	175	165-185	Interstage	36	2.85
512-K3	175	165-185	Full-Wave	82	2.85
512-K4	175	165-185	Half-Wave	36	2.85
512-H1	262	250-275	Input	36	2.75
512-H2	262	250-275	Interstage	36	2.75
512-H3	262	250-275	Full-Wave	82	2.75
512-H4	262	250-275	Half-Wave	36	2.75
512-C1	455	450-475	Input	36	2.60
512-C2	455	450-475	Interstage	36	2.60
512-C3	455	450-475	Full-Wave	82	2.60
512-C4	455	450-475	Half-Wave	36	2.60
512-Q1	525	500-550	Input	36	2.60
512-Q2	525	500-550	Interstage	36	2.60
512-Q3	525	500-550	Full-Wave	82	2.60
512-Q4	525	500-550	Half-Wave	36	2.60
512-W1	1500	1400-1600	Input	36	2.60
512-W2	1500	1400-1600	Interstage	36	2.60
512-W3	1500	1400-1600	Full-Wave	82	2.60
512-W4	1500	1400-1600	Half-Wave	36	2.60
512-X1	3000	2900-3100	Input	36	2.60
512-X2	3000	2900-3100	Interstage	36	2.60
512-X3	3000	2900-3100	Full-Wave	82	2.60
512-X4	3000	2900-3100	Half-Wave	36	2.60
512-Y1	5000	4800-5200	Input	36	2.60
512-Y2	5000	4800-5200	Interstage	36	2.60
512-Y3	5000	4800-5200	Full-Wave	82	2.60
512-Y4	5000	4800-5200	Half-Wave	36	2.60

Variable Selectivity Transformers



Miller Variable Selectivity intermediate frequency transformers have been designed to meet the demand for a unit having both selectivity and broad frequency response. This is accomplished by a simple electrical circuit, devised by Miller Engineers, which has the effect of changing the coupling, although no mechanical coupling adjustments are made. A simple single pole, double throw switch is all that is required for a single stage of amplification. The two positions of the switch provide for sharp and broad tuning. In the broad position, the band width is approximately twice that of the sharp position for the particular type of transformer being used.

512 Type Dimensions: 1⅜" square x 2⅝" high.

Air Core

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
F-512-C1	455	450-475	Input	110	$2.85
F-512-C2	455	450-475	Interstage	110	2.85

Dimensions: 1⅜" square x 3¼" high.

Iron Core

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
F-612-C1	455	450-475	Input	111	$3.50
F-612-C2	455	450-475	Interstage	111	3.50

Perm. Tuned I.F. and Discriminator Transformers

These new transformers are tunable from top and bottom of the aluminum shield. They can be used in either AM or narrow-band FM receivers.

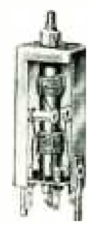
Discriminator transformers, for frequency modulation reception, are of the Foster-Seeley type. Output transformers are for use in the amplifier stage preceding AM detection. Input or interstage transformers are for either AM or FM (Our best.)

For use in communications receivers designed for AM or Narrow Band FM. These transformers feature high gain along with a high degree of frequency stability.

Dimensions: 1⅜" sq. x 2½" high. #6-32 spade bolt mounting.

Cat. No.	Frequency	Use	Schematic	List Price
913-C1	455	Input & Interstage	35	$3.00
913-C4	455	Output	35	3.00
913-CD	455	Discriminator	20	3.30
913-W1	1500	Input & Interstage	35	3.00
913-W4	1500	Output	35	3.00
913-WD	1500	Discriminator	20	3.30

1500 KC I.F. Transformers

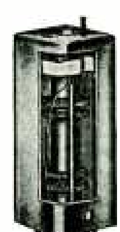


These miniature permeability-tuned i.f. transformers are useful for amateur or commercial double-conversion communication receivers. Convenient also for experimental use or other applications requiring a small-size transformer for operation in the 1500-kc range. In spite of their small dimensions, only the highest quality parts and workmanship have been used in their construction. Tuning slugs are adjustable from top and bottom of the aluminum shield. All connections are made to solder lugs projecting from the bottom of the transformers. Convenient #4-40 spade bolt mounting.

Dimensions: ¾" by ¾" by 2" high.

Cat. No.	Description	Range	Schematic	List Price
12-W1	Input or interstage	1400-1600 KC	35	$2.50
12-W2	Half-wave output	1400-1600 KC	35	2.50

Iron Core Transformers



These Miller intermediate frequency transformers are constructed using a core of high quality powdered iron material designed for use at radio frequencies. Use of this material gives the transformer better gain and selectivity than that obtainable in similarly constructed air core types. A single stage of Miller Iron core transformers will often have the same gain and selectivity as that of a conventional two stage amplifier using air core transformers.

Dimensions: 1⅜" square x 3¼" high. #6/32 spade bolt mounting.

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
612-M1	132	127-137	Input	83	$3.50
612-M2	132	127-137	Interstage	83	3.50
612-M3	132	127-137	Full-Wave	84	3.50
612-M4	132	127-137	Half-Wave	83	3.50
612-K1	175	165-185	Input	83	3.50
612-K2	175	165-185	Interstage	83	3.50
612-K3	175	165-185	Full-Wave	84	3.50
612-K4	175	165-185	Half-Wave	83	3.50
612-H1	262	250-275	Input	83	3.00
612-H2	262	250-275	Interstage	83	3.00
612-H3	262	250-275	Full-Wave	84	3.00
612-H4	262	250-275	Half-Wave	83	3.00
612-C1	455	450-475	Input	83	3.00
612-C2	455	450-475	Interstage	83	3.00
612-C3	455	450-475	Full-Wave	84	3.00
612-C4	455	450-475	Half-Wave	83	3.00
612-Q1	525	500-550	Input	83	3.00
612-Q2	525	500-550	Interstage	83	3.00
612-Q3	525	500-550	Full-Wave	84	3.00
612-Q4	525	500-550	Half-Wave	83	3.00
612-W1	1500	1400-1600	Input	83	3.00
612-W2	1500	1400-1600	Interstage	83	3.00
612-W3	1500	1400-1600	Full-Wave	84	3.00
612-W4	1500	1400-1600	Half-Wave	83	3.00

Prices Subject to Change or Withdrawal Without Notice

INTERMEDIATE FREQUENCY TRANSFORMERS

Mica Trimmer Tuning

Midget I.F. Transformers

These mica compression tuned intermediate frequency transformers are well suited for use in small receivers of all types. They measure only 1⅛" square and 2" high. In spite of their small size, only the highest quality of parts and workmanship has been used in the construction of these transformers. Tuned-plate, tuned-grid construction provides excellent gain and selectivity.

Dimensions: 1⅛" square x 2" high. #6/32 spade bolt mounting.

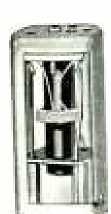
Air Core Midget Transformers

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
112-K1	175	165-185	Input	36	$2.75
112-K2	175	165-185	Interstage	36	2.75
112-K3	175	165-185	Full-Wave	82	2.75
112-K4	175	165-185	Half-Wave	36	2.75
112-H1	262	250-275	Input	36	2.60
112-H2	262	250-275	Interstage	36	2.60
112-H3	262	250-275	Full-Wave	82	2.60
112-H4	262	250-275	Half-Wave	36	2.60
112-H6	262	250-275	Output Stage & Filter	88	2.80
112-C1	455	450-475	Input	36	2.50
112-C2	455	450-475	Interstage	36	2.50
112-C3	455	450-475	Full-Wave	82	2.50
112-C4	455	450-475	Half-Wave	36	2.50
112-W1	1500	1400-1600	Input	36	2.50
112-W2	1500	1400-1600	Interstage	36	2.50
112-W3	1500	1400-1600	Full-Wave	82	2.50
112-W4	1500	1400-1600	Half-Wave	36	2.50

Iron Core Midget Transformers

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
012-M1	132	127-137	Input	83	$3.00
012-M2	132	127-137	Interstage	83	3.00
012-M3	132	127-137	Full-Wave	84	3.00
012-M4	132	127-137	Half-Wave	83	3.00
012-K1	175	165-185	Input	83	2.85
012-K2	175	165-185	Interstage	83	2.85
012-K3	175	165-185	Full-Wave	84	2.85
012-K4	175	165-185	Half-Wave	83	2.85
012-H1	262	250-275	Input	83	2.75
012-H2	262	250-275	Interstage	83	2.75
012-H3	262	250-275	Full-Wave	84	2.75
012-H4	262	250-275	Half-Wave	83	2.75
012-C1	455	450-475	Input	83	2.75
012-C2	455	450-475	Interstage	83	2.75
012-C3	455	450-475	Full-Wave	84	2.75
012-C4	455	450-475	Half-Wave	83	2.75
012-W1	1500	1400-1600	Input	83	2.75
012-W2	1500	1400-1600	Interstage	83	2.75
012-W3	1500	1400-1600	Full-Wave	84	2.75
012-W4	1500	1400-1600	Half-Wave	83	2.75

Converter Output Transformers



These transformers are commonly used with UHF converters and remote control tuners for broadcast band receivers. The transformer consists of a tuned plate winding to be connected in the plate circuit of the converter mixer tube, and a low impedance output winding which is generally connected to the antenna-ground terminals of the receiver. Miller stabilized mica compression trimmer permits tuning to desired frequency. Transformer is assembled in a satin finished aluminum shield.

Dimensions: 1⅜" square x 2⅝" high. Spade bolt mounting.

Cat. No.	Frequency	Use	Schematic	List Price
512-QT	525	Converter	100	$2.60
512-WT	1500	Converter	100	2.60
512-XT	3000	Converter	100	2.60
512-YT	5000	Converter	100	2.60

Universal I.F. Transformers

This series of transformers is finding wide application for general replacement purposes in auto receivers and many types of household and portable receivers. They combine high gain and excellent stability with compact physical size. Color coded leads are supplied. The ceramic compression trimmers used on these transformers have been stabilized by a heat-cycling process which reduces temperature capacity drift to a minimum. 312-C6 and 312-H6 have built-in printed circuit diode load and a.v.c. filter.

Dimensions: 1¼" square x 2½" high. #6/32 spade bolt mounting.

Replacement Air Core Transformers

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
312-H1	262	250-275	Input Stage	36	$2.40
312-H2	262	250-275	Interstage	36	2.40
312-H4	262	250-275	Output Stage	36	2.40
312-H6	262	250-275	Output Stage & Filter	89	2.90
312-C1	455	440-470	Input Stage	36	2.40
312-C2	455	440-470	Interstage	36	2.40
312-C4	455	440-475	Output Stage	36	2.40
312-C6	455	440-470	Output Stage & Filter	89	2.90

Replacement Iron Core Transformers

Dimensions: 1¼" square x 2½" high. #6/32 spade bolt mounting.

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
412-H1	262	250-275	Input Stage	83	$2.60
412-H2	262	250-275	Interstage	83	2.60
412-H4	262	250-275	Output Stage	83	2.60
412-C1	455	440-470	Input Stage	83	2.60
412-C2	455	440-470	Interstage	83	2.60
412-C4	455	440-470	Output Stage	83	2.60

Cartwheel I.F. Transformers

A compact double tuned, unshielded intermediate frequency transformer which will find wide application as a replacement for many receiver types using odd shaped transformers which may not be readily available. Particularly useful in compact and midget AC-DC receivers. Since the windings are mounted in a horizontal axis, considerable space is saved. Overall dimensions only 1⅜" square by 1½" high. Single #6/32 machine screw mounting.

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
1212-C	455	425-500	All Stages	55	$2.25

Regenerative I.F. Transformers

Miller Regenerative I. F. transformers are of the tapped cathode type and are used in electron coupled feedback circuits. Most commonly used to improve the gain and selectivity of amateur and experimental receivers and for CW receivers. The transformers are of the mica compression tuned type and are available in either air core or iron core type. Both primary and secondary windings are tuned and the trimmer condensers are stabilized to maintain frequency adjustment. The aluminum shields are satin finished and are provided with #6/32 spade bolts for mounting to the chassis.

Dimensions: 1⅜" square x 3¼" high.

Cat. No.	Frequency	Use	Schematic	List Price
Type 512 Air Core Mica Tuned				
512-RC	455	Regenerative I.F.	108	$2.60
512-RW	1500	Regenerative I.F.	108	2.60
512-RX	3000	Regenerative I.F.	108	2.60
Type 612 Iron Core Mica Tuned				
612-RC	455	Regenerative I.F.	109	$3.00
612-RW	1500	Regenerative I.F.	109	3.00

Prices Subject to Change or Withdrawal Without Notice

50 KC Transformers

For the McLaughlin SSSR Adapter

The J. W. Miller Company was privileged to work with Mr. J. L. A. McLaughlin throughout the design of the 50 KC transformers for use with the McLaughlin SSSR (Selectable Single Sideband Reception) adapter described in the April, 1948, issue of "QST" magazine. The SSSR adapter may be used with any receiver having an intermediate frequency of 450 to 465 KC. Complete operating data and theory of operation will be found in Mr. McLaughlin's article.

Dimensions: 1⅜" by 1⅞" by 3¼" (except #4527).

Cat. No.	Description	Range	Schematic	List Price
1898-A	2000 cycle wide	48-52 KC	35	$ 8.50
1898-AX	1500 cycle wide	48-52 KC	35	8.50
1898-BFO	Beat Osc. trans.	48-52 KC	57	5.75
3423	50 KC Low Pass Filter	....	73	11.50
4527	1.0 MH Converter Choke	....	1	1.00

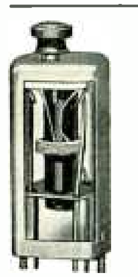
Wire Recorder Oscillator

Bias or Erase Coils

These permeability-tuned coils are intended for replacement service or use as components in original design of wire recording equipment. They are useful also in experimental applications requiring high-quality tuned transformers in the 60-100 kc range. Windings are of good quality with better than average Q-values. Silver-mica capacitors are included to realize excellent frequency stability. Two windings are used in the assembly: one, a tapped coil for wiring in conventional oscillator circuits; the second, to function as a tuned pick-up winding which can be coupled directly to the erase head. As an alternative application these coils may be included in an oscillator circuit to generate supersonic bias voltage for extra high-fidelity wire recording. By omitting connection to winding tap, coils also may be considered as tuned interstage transformers in special applications such as carrier-current communication or telemetering systems. Their wide tuning range is particularly convenient for such purposes. Coils are contained in aluminum shield with tuning cores of both windings adjustable from the side. Spade bolts of #6-32 thread for easy mounting. Color coded leads are provided at bottom of shield.

Dimensions: 1⅜" x 1⅞" by 3¼" high.

Cat. No.	Description	Range	Schematic	List Price
1886-M	100 KC Osc. Erase Coil	95-105 KC	56	$6.75
1887-A	60 KC Osc. Erase Coil	58- 62 KC	56	6.75



Beat Frequency Oscillators

Miller Beat Frequency Oscillator transformers are of the tapped winding type for use in cathode-coupled (electron-coupled) circuits. They are a necessity for the reception of CW signals on amateur and commercial receivers. They are also used for "beat note" tuning of weak stations. Frequency adjustment is made by means of a knob accessible at the top of the shield—or a separate low capacity air dielectric condenser may be used for front-of-panel control.

Mica Tuned Air Core Types

112 Type Dimensions: 1⅛" square x 2⅛" high.

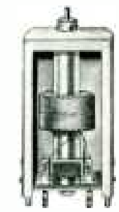
Cat. No.	Frequency	KC Range	Use	Schematic	List Price
112-K5	175	165-185	B.F.O.	86	$2.70
112-H5	262	250-275	B.F.O.	86	2.60
112-C5	455	440-475	B.F.O.	86	2.50
112-W5	1500	1400-1600	B.F.O.	86	2.50

512 Type Dimensions: 1⅜" square x 2⅝" high.

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
512-C5	455	450-475	B.F.O.	86	$2.80
512-Q5	525	500-550	B.F.O.	86	2.80
512-W5	1500	1400-1600	B.F.O.	86	2.80
512-X5	3000	2900-3100	B.F.O.	86	2.80
512-Y5	5000	4900-5100	B.F.O.	86	2.80

Permeability Tuned 50 KC Coils

Stagger-tuned band pass



During recent years, the trend towards lower frequencies in the I.F. amplifier stages of receivers to obtain a greater degree of selectivity has resulted in the use of single high "Q" coils coupled together by means of a small capacitor, rather than the conventional mutual inductance coupled circuits. The following types of coils are manufactured to meet the requirements of new receiver design where the best possible selectivity characteristics are desired. Constructional articles appearing in December, 1950 and March, 1953 issues of QST, and recent editions of the ARRL handbook offer complete circuit applications. Part No. 1884 uses "Cup Core" construction, which makes possible a coil having a "Q" of 100 or better, while also reducing the short circuited turn effect of the shield. Part No. 1885 uses regular construction, and is intended for applications where a "Q" of 60 is satisfactory. The inductance value at 50 KC for both coils is 25 MH when the iron core is adjusted to obtain resonance. These coils are individually tested, and inductance variations are held to ± 5%, and Q values to ± 10% to assure the user of a high quality component. (Cat. #1885 illustrated)

Dimensions: 1⅜" square x 2½" high. #6/32 spade bolt mounting.

Cat. No.	Description	Range	Schematic	List Price
1883	50 KC BFO	48-52 KC	68	$2.75
1884	25 MH Q 100	48-52 KC	69	5.50
1885	25 MH Q 60	48-52 KC	69	2.75

Our #1883 BFO coil is of construction similar to the #1885, completing this series of special 50 KC I.F. coils.

100 KC High-Q Transformers

Special iron-core 100-kc i.f. transformers similar in construction to 50-kc but including very high Q windings to give exceptionally sharp selectivity tuning characteristic. Useful for amateur or commercial double-conversion communication receivers and circuits requiring stable, high-quality i.f. transformers of unusually narrow frequency response. Designed for relatively high gain combined with excellent stability. Silver mica capacitors insure a minimum of temperature frequency drift. Primary and secondary tuning from side of aluminum shield. Color coded leads are supplied.

Dimensions: 1⅜" by 1⅞" by 3¼" high.

Cat. No.	Description	Range	Schematic	List Price
1890-P1	Input or interstage	90-110 KC	35	$8.50
1890-P4	Half-wave output	90-110 KC	35	8.50

Beat Frequency Oscillators

Mica Tuned Air Core Type

012 Type Dimensions: 1⅛" square x 2⅛" high.

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
012-M5	132	125-140	B.F.O.	85	$2.90
012-K5	175	165-185	B.F.O.	85	2.90
012-H5	262	250-275	B.F.O.	85	2.70
012-C5	455	440-475	B.F.O.	85	2.70

Dimensions: 1⅜" square x 3¼" high.

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
612-M5	132	127-137	B.F.O.	85	$3.50
612-K5	175	165-185	B.F.O.	85	3.50
612-H5	262	250-275	B.F.O.	85	2.90
612-C5	455	450-475	B.F.O.	85	2.90
612-Q5	525	500-550	B.F.O.	85	2.90
612-W5	1500	1400-1600	B.F.O.	85	2.90

Permeability Tuned

912 Type Dimensions: 1⅜" square x 2¼" high.

Cat. No.	Frequency	KC Range	Use	Schematic	List Price
912-H5	262	250-275	B.F.O.	57	$2.90
912-C5	455	440-475	B.F.O.	57	2.90
912-W5	1500	1400-1600	B.F.O.	57	2.90

Prices Subject to Change or Withdrawal Without Notice

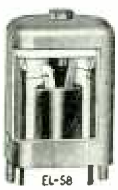
Heavy Duty Hash Chokes

Through the use of a molded powdered iron form we are able to offer a series of relatively high inductance, high current hash filter chokes in a minimum of size. The chokes are designed to prevent ignition and generator interference noise pick-up from battery wiring systems and from vibrator and motor-generator plate supply systems. Although used primarily as a hash filter the chokes are also satisfactory as parasitic suppressor chokes and find use in a number of other applications where high current carrying capacity is required. The standard stock item is supplied impregnated with a moisture resistant varnish. On special order we will supply the chokes fungus-proofed or encapsulated in Epoxy Resin to meet MIL-C-15305-A.

Dimensions: 9/16" diameter x 1¼" long.

Cat. No.	Uh.	Ohms	Amperes	Schematic	List Price
5218	3.35	.008	13	3	$1.25
5219	4.9	.013	8	3	1.25
5220	8.8	.017	5	3	1.25

10 KC Filters

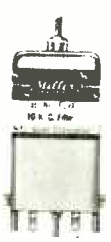


This filter is used to eliminate the 10 KC heterodyne 'whistle' present in wide range broadcast receivers. It may be used in detector load circuit of a diode or an infinite impedance detector. The attenuation at 10000 cycles is approximately 30 db. The filter has a high inductance iron core winding shunted by a variable condenser operating at about 285 mmfd. The tuning range is from 7500 to 12000 cycles.

Dimensions 1⅜" square x 2¼" high.

Cat. No.	Use	Schematic	List Price
EL-58	10 KC Filter	94	$6.60

De Luxe 10 KC Filter



The Miller De Luxe 10 KC filter uses cup-type powdered iron cores in a band elimination circuit and will provide attenuation of approximately 40 db. Cut-off frequency f_1 is 9000 cycles and cut-off frequency f_2 is 11,000 cycles. The load resistance R is 10,000 ohms. This filter should be used in the plate circuit of a triode first audio stage. The Cat. No. EL-60 filter has sharper cut-off characteristics than our No. EL-58. Recommended to users of any High Fidelity Tuner.

Dimensions: 1⅜" sq. x 2½" high.

Cat. No.	Use	Schematic	List Price
EL-60	10 KC Filter	95	$9.75

Phono Scratch Filter

The Miller Phono-Scratch Filter is designed to reduce phono scratch from any type of high-impedance pick-up. The resonant frequency of the filter is adjustable to any point between 2000 and 3000 cycles. The filter is assembled in a satin finished aluminum shield. The attenuation is approximately 22db. The filter is attached to the chassis by means of two "L" brackets.

Dimensions: 1⅜" x 1⅞" by 3" high.

Cat. No.	Item	Frequency	Schematic	List Price
EL-59	Scratch Filter	2000-3000 Cycles	94	$8.25

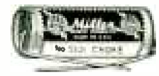
Teletype Radio Interference Filter

A compact skeleton type filter using both inductance and capacity for maximum effectiveness in suppressing the interference generated by the small brush-type universal motors used on teletype printers. The filter is constructed for fastening directly to the motor terminals and is easily installed. The two duo-lateral chokes are wound on bakelite tubing and the dual condenser is fastened inside of the tube. A ground terminal is provided for connection to the motor frame. May be used on AC or DC circuits up to 220 volts and at a maximum current of .5 ampere.

Dimensions: 1⅜" diameter x 3" high.

Cat. No.	Volts	Amperes	Schematic	List Price
7812	220	5	10	$5.00

Filament Chokes



Designed to prevent ignition and generator interference noise pick-up from battery wiring systems and from vibrator and motor-generator plate supply systems. Choke consists of a single-layer solenoid with wire leads and encased in a round Kraft tube with sealed ends. To avoid excessive voltage drop, several chokes are often used—one choke in each of the following circuits—filament, vibrator or motor-generator and filament of rectifier tube (if used).

Dimensions: ¾" diameter by 1⅞" long.

Cat. No.	Uh.	Ohms	Amperes	Schematic	List Price
5221	4	.02	6	1	$ .90

Plate Supply Chokes

A companion choke to the #5221 filament choke for use in the power supply of battery and generator or vibrator "B" supply packs for portable or mobile radio and electronic equipment. Will prevent interference and r.f. "hash" present in the power source from interfering with normal operation of the equipment. Unit is a duo-lateral wound coil enclosed in a sealed Kraft container and provided with convenient axial wire leads. Insulated enclosure permits mounting in out-of-the-way corners of the chassis.

Dimensions: ¾" diameter by 1" long.

Cat. No.	Mh.	Ohms	MA	Schematic	List Price
5222	2.5	28	200	1	$1.25

Rectifier Hash Filter Chokes

Duo-lateral wound chokes for use in series with the plate leads of mercury vapor rectifiers to prevent r.f. hash feed-back. The chokes are wound on Alsimag forms and have solder type lugs for connection. Two hole mounting brackets prevent the choke from turning. The terminal lugs are eyeleted to a canvas base bakelite strip and provide a spacing of 1½" between connections. The insulation to ground will withstand in excess of 10,000 volts.

Dimensions: 2" diameter x 2⅜" high.

Cat. No.	Mh.	Ohms	MA	Schematic	List Price
7867	4.50	4.5	500	1	$2.75
7868	2.75	2.3	1000	1	3.25

Twin Rectifier Filter Chokes

These chokes are similar to those listed above except that two duo-lateral wound coils are assembled on a single ceramic form with a bakelite terminal plate. They are for use with full wave mercury vapor rectifier tubes or with separate tubes having a maximum plate current of less than 300 MA. A two-hole mounting clip is provided. Insulation is adequate for peak voltages up to 2500. The entire assembly is thoroughly impregnated in tropicalized Q-Max lacquer.

Dimensions: 1¼" diameter x 1¾" high. Mounting centers: 1".

Cat. No.	Mh.	Ohms	MA	Schematic	List Price
7865	3.25 (per coil)	15.	300	9	$2.50

Cash Register Filter

The radio interference produced by most cash registers and business machines, such as comptometers and billing machines, is, in many cases, quite severe and the general purpose type of filter does not always give adequate protection. The Miller Cash Register Filter has been expressly designed to meet the requirements of this type of equipment and will provide positive elimination of radio interference feed-back into the power supply line. The filter is of the two-section type and consists of four duo-lateral wound chokes and four .5 mfd. condensers.

Dimensions: 3¼" x 4" x 7" long.

Cat. No.	Volts	Amperes	Schematic	List Price
7814	230	5	17	$16.50

Prices Subject to Change or Withdrawal Without Notice

Medium Duty Duo-Lateral Line Filter Chokes

Miller Duo-Lateral wound chokes combine small physical size with low distributed capacity—an essential requirement for radio interference filter chokes—and are characteristics found in no other type of radio interference filter choke. These chokes are particularly recommended to manufacturers of farm lighting plants, sign flashers, signal systems, oil burners, diathermy equipment and all types of intermittent switching systems. Miller Duo-Lateral wound filter chokes are specially designed for technicians and electricians who find it desirable to construct their own filters as a part of the equipment being manufactured. When used with amateur and commercial transmitters, filters constructed with Miller Duo-Lateral wound chokes will prevent feed-back into the power line, thus eliminating carrier radiation within the electrical wiring system. Miller Duo-Lateral wound chokes are wound on ceramic forms with suitable brass terminals.

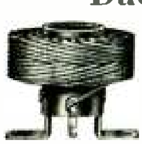
Cat. No.	Amperes	Ohms	Mh.	Dimensions	Schematic	List Price
7826	5	.28	.570	2½" x 4"	1	$4.85
7827	10	.15	.370	2½" x 4"	1	5.45
7828	20	.085	.200	2½" x 4"	1	6.00
7829	30	.05	.135	2½" x 4"	1	6.60

Dual Line Filter Chokes

Miller Dual Duo-Lateral Line Filter Chokes are wound with two coils on one form, giving the advantage of small physical size in cases where space requirements are stringent and two single coils would occupy too much area. Identical in specifications, except for dimensions, to our single type Duo-Lateral chokes. They are wound on white ceramic forms 2" in diameter by 4½" long.

Cat. No.	Amperes	Ohms	Mh.	Dimensions	Schematic	List Price
D-7826	5	.28	.570	4½" x 4"	9	$7.25
D-7827	10	.15	.370	4½" x 4"	9	8.50
D-7828	20	.085	.200	4½" x 4"	9	9.70
D-7829	30	.05	.135	4½" x 4"	9	10.80

Light Duty Duo-Lateral Line Filter Chokes



For use in the same applications as our Heavy or Medium Duty Line Filter Chokes where the load is of a lighter nature. Chokes are wound on bakelite forms.

Single Line Filter Chokes

For filtering individual and branch circuits.

Dimensions: 1⅞" x 1¾".

Cat. No.	Amperes	Ohms	Mh.	Schematic	List Price
7825	2	.7	.600	1	$2.00
7825-3	3	.25	.250	1	2.00
7825-5	5	.1	.100	1	2.00
7825-8	8	.05	.050	1	2.00

Dual Line Filter Chokes

For filtering both sides of single phase circuits.

Dimensions: 3¼" x 2⅛".

Cat. No.	Amperes	Ohms	Mh.	Schematic	List Price
D-7825	2	.7	.600	9	$4.00
D-7825-3	3	.25	.250	9	4.00
D-7825-5	5	.1	.100	9	4.00
D-7825-8	8	.05	.050	9	4.00

Heavy Duty Line Filter Chokes

Miller Heavy Duty Line Filter Chokes are wound on electrical porcelain forms measuring 4" in diameter by 8" long. All windings are of the duo-lateral type and use double cotton covered stranded cable expressly made for this purpose. Copper terminal lugs and brass bolts are used on all current-carrying parts. Four sturdy steel mounting brackets are provided with each choke. Windings are thoroughly impregnated with glyptal varnish and baked. In addition to their use for radio interference filter applications, these chokes find wide application in power circuits and high voltage rectifier circuits to reduce the peak value of transient surges and thus protect valuable equipment and switch gear. (Available from Los Angeles stock only.) (D-7830 is a dual type—two chokes on one form. Illustrated.)

Cat. No.	Amperes	Ohms	Mh.	Dimensions	Schematic	List Price
7830	50	.036	.250	8" x 10"	1	$45.00
D-7830	50	.036	.250	8" x 10"	9	75.00
7831	75	.023	.215	8" x 10"	1	55.00
7832	100	.010	.175	8" x 12½"	1	60.00

High Tension Filter Chokes

Through extensive research, Miller has developed what is believed to be the only satisfactory filter choke for the elimination of radio interference generated by high-tension (secondary circuit) neon sign animators and tubing. Chokes are sectional wound on ½" diameter by 2½" long ceramic forms and are enclosed in a weatherproof bakelite shell. All windings are impregnated against moisture absorption and all hardware is cadmium plated. The #7875 choke is insulated for 15,000 volts and for continuous operation at currents up to 100 milliamperes. The filter chokes are easily installed in existing installations and they are fully guaranteed. Many cities and communities have radio interference ordinances and these chokes are an indispensable part of every neon sign installation. Each installation requires one choke per circuit, plus one for the common circuit of the transformer and one for the common circuit of the animator. A complete circuit diagram is supplied with each choke.

Dimensions: 1⅜" diameter x 3¼" high.

Cat. No.	Volts	Amperes	Schematic	List Price
7875	15,000	.1	1	$3.00

Radio Interference Filter Condensers

Highest quality paper dielectric condensers especially developed for radio interference filter use. While rated at 220 volts AC-DC, these condensers are designed to withstand transient surges up to 1000 volts. Extremely low reactance to all interference frequencies is obtained by non-inductive construction. The condensers are vacuum impregnated and sealed with wax. Assembly in oval cardboard tubes having rock wax end seals prevents any possibility of moisture absorption. They will give a life-time of trouble-free service and we give an unqualified guarantee against breakdown when used with interference filters on circuits having a maximum RMS voltage not exceeding 220. Available in single and double types as listed below.

Cat. No.	Capacity	Volts	Dimensions	List Price
7803	dual 2. mfd.	220 AC	2¼" x 1½" x 2⅛"	$4.95
7804	single 2. mfd.	220 AC	1⅞" x 1" x 2⅛"	2.75

Prices Subject to Change or Withdrawal Without Notice

Industrial Filters

Miller industrial filters are designed for all types of radio interference producing devices and are highly effective at broadcast and short wave frequencies. The unique filter circuit, consisting of **two duo-lateral wound chokes and two single layer solenoid chokes combined with two 2. mfd. non-inductive wound paper dielectric condensers.** For AC or DC to 220 volts. Full-load voltage drop is approximately 2 volts.

Dimensions: 9¾" x 6½" x 5" high. Weight: Approx. 14 lbs.

Cat. No.	Volts	Amps.	Schematic	List Price
7841	220	5	12	$60.00
7842	220	10	12	62.50
7843	220	20	12	65.00
7844	220	30	12	67.50
7845	220	40	12	70.00

Tower Lighting Chokes

Duo-lateral wound chokes designed for use in the tower lighting circuits of broadcast and commercial transmitter antenna towers. These chokes offer high impedance to radio frequency and have extremely low distributed capacity. Low power-frequency reactance and DC resistance insure minimum lighting power loss. The chokes are wound on ceramic forms and the windings are of the two-pi sectional type and are protected by a baked glyptal varnish. One choke should be used in series with each line of the tower lighting circuit. A suitable weatherproof cabinet should be used to house the chokes and is preferably mounted at the base of the tower.

By-pass condensers from line-to-ground are NOT used with these chokes.

Dimensions: 4" diameter x 4½" long.

Cat. No.	Amps.	Ohms	Mh.	Schematic	List Price
7870	5	.56	1.20	1	$7.25
7871	10	.30	.75	1	8.50
7872	20	.17	.45	1	9.70

Fluorescent Lighting Filter Chokes

The interference energy which is fed back into the AC lines may often affect the operation of radio and television receivers within a radius of several hundred feet. This interference energy may be absorbed by the use of suitable filter chokes and condensers. Miller Fluorescent filter chokes effectively block line interference feed-back and may be simply installed in the lighting fixture. The chokes are assembled in aluminum shields 1¼" in diameter by 1½" long, provided with a single hole mounting bracket, and flexible approved wire leads. Installation instructions supplied with each choke. Normally, two chokes should be used per fixture, each choke having a rating equal to the total wattage of all lamps in the fixture.

Cat. No.	Volts	Watts	Schematic	List Price
7876	220	20	1	$1.90
7877	220	40	1	1.90
7878	220	80	1	1.90
7879	220	160	1	1.90

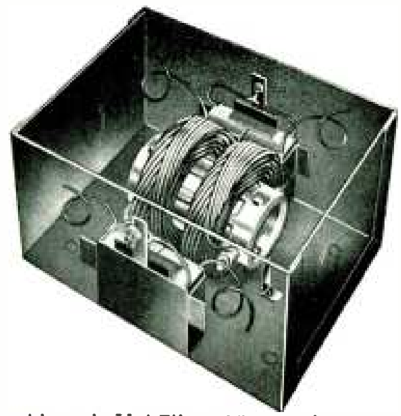
Replacement I.F. Trap

The 817-H I.F. trap is a direct replacement for Bendix (Sylvania) part No. 118-0009. It is used in Ford Auto Radio Model 1CF743 (1A-18805-B). For schematic diagram and typical application refer to Photofact Folder No. 133-7.

Dimensions: 1$\frac{3}{16}$" sq. x 1¼" high.

Cat. No.	Use	List Price
817-H	265 KC I.F. Trap	$5.00

Miller Uni-Filters



Universal type filters adaptable to any filter application through the simple process of making the necessary internal connections. They are designed for preventing feedback into the power lines from interference producing devices such as—farm lighting plants, electric refrigerators, diathermy and electrocautery devices, oil burner ignition systems, sign flashers, rotary converters, vibrator type converters, portable gas-electric plants and electric motors. Two capacitor blocks, each consisting of dual condensers, are included with each Uni-Filter. The condensers are rated at 220 volts AC or DC. Complete data and circuit diagram supplied with each filter.

Dimensions: 8" long x 6¼" wide x 4¾" high.

Cat. No.	Amperes	Ohms	Inductance	Schematic	List Price
7819	5	.28	.570 mh	16	$43.00
7820	10	.15	.370 mh	16	45.50
7821	20	.085	.200 mh	16	48.00
7822	30	.05	.135 mh	16	50.50

Loop Antenna Wave Traps

A series of wave traps designed especially for use with all receivers using broadcast band tuned circuit loops. These traps are similar in construction to our # 811 series but are connected as a series resonant circuit. They are to be connected between the grid terminal of the loop antenna and the ground or grid return circuit of the receiver. When tuned to resonance these traps offer extremely low impedance to the interferring signal.

Dimensions: 1⅜" square by 1¾" high.

Cat. No.	Band	KC Range	Schematic	List Price
816-X1	I.F. & Commercial	250-500	81	$1.85
816-X2	I.F. & Commercial	125-250	81	1.85
816-BC1	Broadcast	900-1800	81	1.85
816-BC2	Broadcast	500-900	81	1.85
816-A	Amateur	1500-2500	81	1.85
816-B	Amateur	2000-4500	81	1.85

Shielded Wave Traps

Miller 812 Series Wave Traps reaches a new high of performance in the elimination of interference from CW and amateur phone stations and from commercial transmitters. A completely shielded high "Q" parallel resonant circuit. The units are easily installed, simply connect them in series with the antenna. In order to eliminate interference from more than one station connect several of these units in series. The traps will not interfere with the operation of the receiver at frequencies other than that to which the traps are tuned.

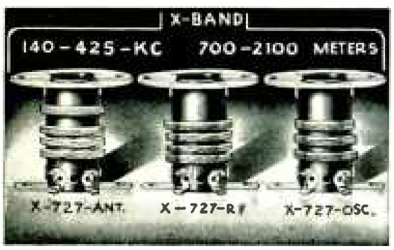
Dimensions: 1$\frac{7}{16}$" square x 2½" high.

Cat. No.	Band	KC Range	Schematic	List Price
812-X1	I.F. & Commercial	425-525	80	$2.25
812-X2	I.F. & Commercial	225-325	80	2.25
812-X3	I.F. & Commercial	150-225	80	2.25
812-BC1	Broadcast	1200-1600	80	2.25
812-BC2	Broadcast	800-1200	80	2.25
812-BC3	Broadcast	500-800	80	2.25
812-A	Amateur	1500-2500	80	2.25
812-B	Amateur	2000-4500	80	2.25
812-C	Amateur	5000-8500	80	2.25
812-D	Amateur	12000-18000	80	2.25
812-E	Amateur	25000-35000	80	2.25

Prices Subject to Change or Withdrawal Without Notice

Select-Ur-Band Coils

These coils are designed to meet the exacting demands of the experimenter and custom receiver builder. Ideal for simple receivers using a mixer stage only or one or more radio frequency stages. Also suitable for use in T.R.F. receivers at the lower frequencies. Flexible in application, the coils may be assembled to meet individual requirements as to frequency range. In superheterodyne receivers, the oscillator coils are for use with an intermediate frequency of 455 KC (except where otherwise indicated). Coils for each band and stage are separate units and any pair of coils of the same stage may be assembled in the same shield. Primaries are of the high impedance type (except X-band coils) and provide uniform gain when used with pentode type r.f. tubes. With these coils it is possible to layout an all wave receiver and first complete it with only one or two bands, and later adding other bands as desired. The coils may be used to modernize old receivers by installing an all-wave or skip-band tuner and using the intermediate amplifier and the audio and power system of the old receiver. The coils are wound on high grade bakelite tubing 7/8" diameter by 1¾" long. Mounting brackets are provided at both ends of the form and one end has a fibre centering ring. The frequency range specified is obtained with a standard .000365 mfd. variable condenser.



Coils Are for Use Shielded

Single band coils require a type S-727 shield. Where two coils are stacked together, a type L-727 shield is used.

Dimensions of Shields

Cat. No. S-727 shield 2 1/16" dia. x 2½" high.
Cat. No. L-727 shield 2 1/16" dia. x 4" high.
Shields are not included in the price of the coils.

X-Band Coils Freq. Range 140-425 KC

Cat. No.	Use	Series Pad	Schematic	List Price
X-727-A	Antenna Stage		76	$2.10
X-727-RF	R.F. Stage		76	2.10
X-727-C	Osc. Stage—455 KC	.00012 mfd.	76	2.10
X-727-M	Osc. Stage—132 KC	.0004 mfd.	76	2.10

A-Band Coils Freq. Range 535-1500 KC

Cat. No.	Use	Series Pad	Schematic	List Price
A-727-A	Antenna Stage		76	$1.70
A-727-RF	R.F. Stage		76	1.70
A-727-C	Osc. Stage—455 KC	.0004 mfd.	76	1.70

B-Band Coils Freq. Range 1500-4500 KC

Cat. No.	Use	Series Pad	Schematic	List Price
B-727-A	Antenna Stage		76	$1.70
B-727-RF	R.F. Stage		76	1.70
B-727-C	Osc. Stage—455 KC	.001 mfd.	76	1.70

C-Band Coils Freq. Range 3.75-11 MC

Cat. No.	Use	Series Pad	Schematic	List Price
C-727-A	Antenna Stage		76	$1.70
C-727-RF	R.F. Stage		76	1.70
C-727-C	Osc. Stage—455 KC	.003 mfd.	76	1.70
C-727-W	Osc. Stage—1500 KC	.001 mfd.	76	1.70

D-Band Coils Freq. Range 8.5-23 MC

Cat. No.	Use	Series Pad	Schematic	List Price
D-727-A	Antenna Stage		76	$1.70
D-727-RF	R.F. Stage		76	1.70
D-727-C	Osc. Stage—455 KC	.01 mfd.	76	1.70
D-727-W	Osc. Stage—1500 KC	.0018 mfd.	76	1.70

E-Band Coils Freq. Range 12.5-36 MC

Cat. No.	Use	Series Pad	Schematic	List Price
E-727-A	Antenna Stage		76	$1.70
E-727-RF	R.F. Stage		76	1.70
E-727-C	Osc. Stage—455 KC	none	76	1.70
E-727-W	Osc. Stage—1500 KC	.003 mfd.	76	1.70

It is recommended that Adjustable Pad, Cat. No. 160-A, be used in parallel with a fixed condenser to make up pad capacity for E-727-W.

S-Band Coils Freq. Range 5.8-19 MC

Cat. No.	Use	Series Pad	Schematic	List Price
S-727-A	Antenna Stage		76	$1.70
S-727-RF	R.F. Stage		76	1.70
S-727-C	Osc. Stage—455 KC	.003 mfd.	76	1.70

Cathode Tapped Oscillator Coils

Tapped single winding coils of the 727 type for use in circuits utilizing the type 6SA7 and similar electron coupled mixer circuits.

Cat. No.	I.F. Frequency	Series Pad	Schematic	List Price
X-726-M	132 KC	.0004 mfd.	53	$2.10
X-726-C	455 KC	.00012 mfd.	53	2.10
A-726-C	455 KC	.0004 mfd.	53	1.70
B-726-C	455 KC	.001 mfd.	53	1.70
C-726-C	455 KC	.003 mfd.	53	1.70
D-726-C	455 KC	.01 mfd.	53	1.70
E-726-C	455 KC	None mfd.	53	1.70
S-726-C	455 KC	.003 mfd.	53	1.70

If it is desired to build a receiver using one RF stage and covering Bands X, A and B, the following Miller parts should be ordered—

For Band X: one each, X-727-A, X-727-RF and X-727-C and one .00012 mfd. series pad.

For Band A: one each, A-727-A, A-727-RF and A-727-C and one .0004 mfd. series pad.

For Band B: one each, B-727-A, B-727-RF and B-727-C and one .001 mfd. series pad.

Three Cat. No. L-727 and three No. S-727 coil shields are required. Band switch, tuning condenser, dials, etc., are listed elsewhere in the catalog.

Two Band Coils

These high grade two band coils are compactly and efficiently designed to provide a type of coil well suited for marine receivers and for general experimental and custom set builders. Broadcast band windings are duo-lateral wound and short-wave windings are solenoid wound. High frequency trimmer condensers for each band are a part of the coil assembly and are adjustable from the top of the shield. Satin finished aluminum shields measure 1⅜" square by 3" high. To be used with a standard .000365 mfd. tuning condenser and a 455 KC I. F. amplifier.

Dimensions: 1⅜" square x 3" high.

Cat. No.	Use	Freq. Range	Schematic	List Price
3996-A	Antenna Stage	540-4500 KC	74	$4.00
3996-RF	R.F. Stage	540-4500 KC	74	4.00
3996-C	Standard Oscillator	455 KC I.F.	74	4.00
3998-C	Tapped Oscillator	455 KC I.F.	75	4.00
Oscillator Series Pads— .0004 and .001 mfd.				
3997-A	Antenna Stage	540-1500/5.5-18. MC	74	$4.00
3997-RF	R.F. Stage	540-1500/5.5-18. MC	74	4.00
3997-C	Standard Oscillator	455 KC I.F.	74	4.00
3999-C	Tapped Oscillator	455 KC I.F.	75	4.00
Oscillator Series Pads— .0004 and .005 mfd.				

Adjustable Oscillator Padders

These adjustable oscillator padder condensers are of the finest quality mica-compression type with ceramic body. Capacity adjustable from both top and bottom of condenser. Single hole mounting by means of a ¼" threaded stud, supplied with nut. Plates may be removed for lower capacity ranges, or shunt mica condensers may be used for higher capacity.

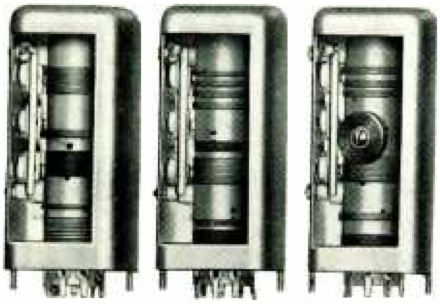
Used as adjustable oscillator padding condenser in super-het receivers to insure proper three-point tracking. They also find application as the horizontal drive control in television receivers.

Dimensions: 7/8" x 1" x 3/8" thick.

Cat. No.	Capacity Range	List Price
160-A	360-1000 mmfd.	$ .90
160-B	50-400 mmfd.	.75
160-C	200-600 mmfd.	.85
160-D	10-160 mmfd.	.65
160-E	25-280 mmfd.	.70

Prices Subject to Change or Withdrawal Without Notice

Three Band Aircraft Coils



Miller three band Aircraft coils are wound on high-grade bakelite forms with proper wire size and coil winding type for each band. The coils have built-in high frequency trimmers for each band. These coils are adaptable to all types of receivers, fixed or mobile, to cover the Department of Commerce weather and beacon band, the standard broadcast band, and the airline communications frequency. Antenna primaries are of the low impedance type for best results with a short antenna. All windings are thoroughly impregnated and baked to prevent moisture absorption. Two oscillator coils are for use with a 455 KC intermediate frequency.

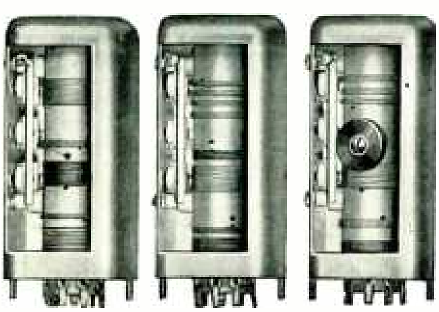
BAND X—140-425 KC, BAND A—540-1600 KC, BAND C—2500-7000 KC.

Dimensions: 2" square x 4¼" high. #6/32 spade bolt mounting.

Cat. No.	Use	Schematic	List Price
628-A	Antenna Stage	99	$6.25
628-RF	R.F. Stage	99	6.25
628-C	Osc. Stage (455 KC)	98	6.25
Tapped oscillator coils (for 6SA7 and similar tubes)			
629-C	Osc. Stage (455 KC)	97	6.25

Oscillator Series Pads—.00012, .0004, .0016 mfd.

Three Band All Wave Coils



Three band all-wave coils similar in construction to our Series 628 and for use with a 455 KC intermediate frequency amplifier. High frequency trimmers are provided for each band and are accessible for adjustment through holes in the side of the shield. All windings are thoroughly impregnated for protection under all climatic conditions.

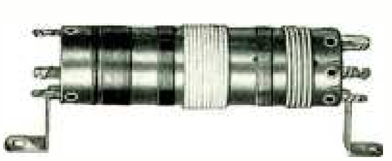
BAND A—540-1700 KC, BAND B—1700-5500 KC, BAND C—5.5-18 MC.

Dimensions: 2" square x 4¼" high. #6/32 spade bolt mounting.

Cat. No.	Use	Schematic	List Price
626-A	Antenna Stage	99	$6.25
626-RF	R.F. Stage	99	6.25
626-C	Osc. Stage (455 KC)	98	6.25
Tapped oscillator coils (for 6SA7 and similar tubes)			
625-C	Osc. Stage (455 KC)	97	6.25

Oscillator Series Pads—.0004, .0016, .005 mfd.

Three Band Short Wave Coils



A series of compact unshielded three band coils for use by experimenters in constructing custom-built short wave receivers to satisfy individual requirements. When used with a 365 mmfd. variable condenser, the frequency range is as follows:

B — 1500 to 4500 KC; C — 4500 to 10000 KC; D — 10000 to 25000 KC.

Series Pads — Band B .0016 mfd.; Band C .003 mfd.; Band D .01 mfd.

Dimensions: 1" diameter x 4" long.

Cat. No.	Use	Schematic	List Price
511-SW-A	Antenna Stage	114	$3.25
511-SW-RF	R.F. Stage	114	3.25
511-SW-C	Standard Osc. (455 KC I.F.)	113	3.25
510-SW-C	Tapped Osc. (455 KC I.F.)	112	3.25

Midget R.F. Coils (Shielded)

Permeability Tuned

A compact series of radio frequency and oscillator coils well suited to the needs of the constructor of aircraft, marine and midget broadcast receivers. The coils are of the iron core type and are enclosed in satin finished aluminum shields. Standard antenna coil primaries are of the low impedance close coupled type for use on short vertical or horizontal aerials. R.F. coil primaries are of the high impedance type for maximum energy transfer when used with pentode amplifier tubes. Frequency ranges given are when used with a standard .000365 mfd. variable tuning condenser. Adjustable iron core permits accurate alignment.

Dimensions: 1⅛" square x 2⅛" high. #6-32 spade bolt mounting.

Long Wave Band Coils (Aircraft)

Cat. No.	Use	Range	Schematic	List Price
X-320-A	Antenna Stage	140-425 KC	77	$3.00
X-320-RF	R.F. Stage	140-425 KC	90	3.00

Standard Oscillator Coils

Cat. No.	I.F. Frequency	Series Pad	Schematic	List Price
X-320-M	132 KC	.0004 mfd.	77	$2.50
X-320-C	455 KC	.00012 mfd..	77	2.50

Cathode Tapped Oscillator Coils

Cat. No.	I.F. Frequency	Series Pad	Schematic	List Price
X-321-M	132 KC	.0004 mfd.	44	$2.50
X-321-C	455 KC	.00012 mfd.	44	2.50

Broadcast Band Coils

Cat. No.	Use	Range	Schematic	List Price
A-320-A	Antenna Stage	540-1700 KC	77	$2.20
A-320-RF	R.F. Stage	540-1700 KC	90	2.20

Standard Oscillator Coils

Cat. No.	I.F. Frequency	Series Pad	Schematic	List Price
A-320-M	132 KC	.0016 mfd.	77	$2.20
A-320-C	455 KC	.0004 mfd.	77	2.20

Cathode Tapped Oscillator Coils

Cat. No.	I.F. Frequency	Series Pad	Schematic	List Price
A-321-M	132 KC	.0016 mfd.	44	$2.20
A-321-C	455 KC	.0004 mfd.	44	2.20

Short Wave Coils (Marine & Aircraft)

Cat. No.	Use	Range	Schematic	List Price
B-320-A	Antenna Stage	2100-6300 KC	77	$2.20
B-320-RF	R.F. Stage	2100-6300 KC	77	2.20

Standard Oscillator Coils

Cat. No.	I.F. Frequency	Series Pad	Schematic	List Price
B-320-M	132 KC	.006 mfd.	77	$2.20
B-320-C	455 KC	.0016 mfd.	77	2.20

Cathode Tapped Oscillator Coils

Cat. No.	I.F. Frequency	Series Pad	Schematic	List Price
B-321-M	132 KC	.006 mfd.	44	$2.20
B-321-C	455 KC	.0016 mfd.	44	2.20

Short Wave Broadcast Coils

Cat. No.	Use	Range	Schematic	List Price
C-320-A	Antenna Stage	6.-18. MC	77	$2.20
C-320-RF	R.F. Stage	6.-18. MC	77	2.20

Standard Oscillator Coils

Cat. No.	I.F. Frequency	Series Pad	Schematic	List Price
C-320-C	455 KC	.005 mfd.	77	$2.20

Cathode Tapped Oscillator Coils

Cat. No.	I.F. Frequency	Series Pad	Schematic	List Price
C-321-C	455 KC	.005 mfd.	44	$2.20

Oscillator coils for the series C-320 coils are available only for use with a 455 KC intermediate frequency amplifier.

Prices Subject to Change or Withdrawal Without Notice

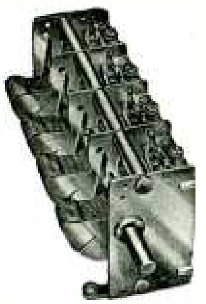
Midget Variable Condensers

These midget variable condensers have the same precision construction as our standard series and will find ready application in the construction of portable and compact receivers of all types. Split outer plates on the rotors permit accurate alignment. High frequency trimmers are provided on the short side of the condenser. Mounting is provided by tapped holes in the frame of the condenser. Maximum rotor swing is 1". Counter-clock rotation for capacity increase. Shaft is ¼".

Capacity range—10 to 365 mmf.

Cat. No.	Sections	Dimensions	List Price
2111	1	1⅛" x 1 11/16" x 1⅝"	$2.75
2112	2	2 3/16" x 1 13/16" x 1⅝"	3.50
2113	3	3 3/16" x 1 13/16" x 1⅝"	5.00

De-Luxe Variable Condensers

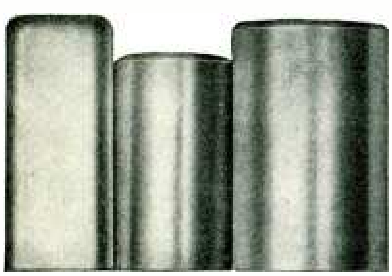


These variable tuning condensers are the finest standard type obtainable. Rigid construction and adequate plate spacing insures permanence of calibration and freedom from microphonic tendencies. All sections are maintained to within 1.5 mmfd. of each other at any percentage rotation for perfect tracking. Each section is provided with a high frequency adjustment condenser. Latest design and construction features are embraced in the design of these condensers. All condensers are counter-clockwise rotation from shaft end for capacity increase. Use with our No. 152 Dials.

Capacity range—11 to 365 mmfd. ⅜" shaft dia.

Cat. No.	Sections	Dimensions	Mounting	List Price
2104	4	6¼" x 3" x 2"	Tapped Brackets	$16.00

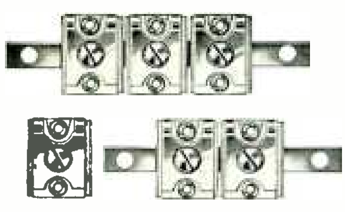
Aluminum Coil Shields



All Miller coil shields are of the finest quality drawn aluminum and have a satin finish which will not show finger marks and does not tarnish. Two #6-32 threaded spade bolts are riveted to the shield for easy attachment to the chassis.

Cat. No.	Dimensions	Mounting Center	List Price
S-21	2 1/16" diameter x 3½"	2"	$ .70
S-31	1⅝" diameter x 3"	1 11/16"	.70
S-32	1⅛" square x 2⅛"	1 1/16"	.70
S-41	1⅞" diameter x 3"	1 13/16"	.70
S-51	1⅜" square x 3¼"	1 5/16"	.70
S-74	1¼" diameter x 2"	1 5/16"	.70
L-110	2" square x 4¼"	1 15/16"	1.00
S-727	2 1/16" diameter x 2½"	2"	.70
L-727	2 1/16" diameter x 4"	2"	1.00

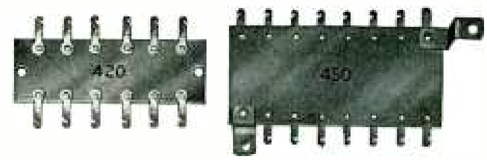
H.F. Trimmer Condensers



Ideal for trimming the high frequency end of multi-band circuits, these trimmers are available in single to quadruple section types. Ceramic insulation and mica plate spacer insures low-loss operation. The dimensions per section are ⅝" wide by ¾" long. Terminals are plated for easy soldering.

Cat. No.	Range (mmfd.)	No. of Sections	List Price
MA-1	3-40	1	$ .35
MA-2	3-40	2	.60
MA-3	3-40	3	.90
MA-4	3-40	4	1.20

Bakelite Terminal Plates

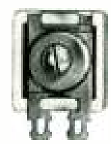


These terminal plates, provided with securely riveted solder type terminal lugs, are particularly adaptable to the assembly of groups of resistors and by-pass condensers. They will facilitate wiring of the chassis and provide rigid mounting of parts which cannot be properly assembled by point-to-point wiring. Lugs are on 1/16" thick bakelite sheet stock and the terminal spacing is 7/16".

Cat. No.	Dimensions	Lugs per Side	List Price
420	1" x 3"	6	$ .50
430	1¾" x 2½"	5	.60
440	1" x 5¾"	14	.70
450	1¾" x 3¾"	8	.85
460	1¾" x 5¼"	11	1.00
470	1¾" x 8⅜"	19	1.40

Special types available on order. Please supply sketch and indicate quantity desired.

Adjustable Padding Condensers



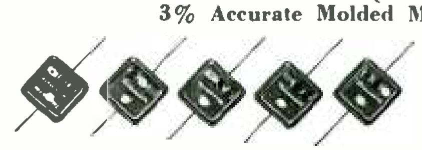
These adjustable oscillator padder condensers are of the finest quality mica-compression type with ceramic body. Capacity adjustable from both top and bottom of condenser. Single hole mounting by means of a ¼" threaded stud, supplied with nut. Plates may be removed for lower capacity ranges, or shunt mica condensers may be used for higher capacity.

Used as adjustable oscillator padding condenser in super-het receivers to insure proper three-point tracking. They also find application as the horizontal drive control in television receivers.

Cat. No.	Capacity Range	List Price
160-A	360-1000 mmfd.	$ .90
160-B	50-400 mmfd.	.75
160-C	200-600 mmfd.	.85
160-D	10-160 mmfd	.65
160-E	25-280 mmfd.	.70

Oscillator Padding Condensers

3% Accurate Molded Mica Type



For your convenience, we carry a complete stock of the more commonly used capacities of mica tracking condensers for use in oscillator circuits. The condensers are of the familiar molded bakelite mica dielectric type with wire leads. Capacities are guaranteed to be within the specified tolerance. Condensers having wider tolerance ratings should not be used in oscillator circuits as series padding condensers.

Cat. No.	Capacity	Accuracy	List Price
160	.00012 mfd.	3%	$ .40
161	.0004 mfd.	3%	.45
162	.0005 mfd.	3%	.45
163	.0006 mfd.	3%	.45
164	.001 mfd.	3%	.55
165	.0016 mfd.	3%	.65
166	.003 mfd.	3%	.80
168	.005 mfd.	3%	1.10
167	.01 mfd.	5%	1.75

Capacity Relay Coil

This coil may be used for almost all types of capacity operated electronic devices such as alarm systems, show windows, counter displays, novelties, etc. The coil is a center-tapped oscillator winding with an adjustable grid coupling condenser and an r.f. choke, all assembled on a bakelite form. A typical wiring diagram is supplied.

Dimensions: ⅞" diameter (form) x 2¼" high.

Cat. No.	Use	Schematic	List Price
695	Capacity Relay Coil	78	$3.00

Prices Subject to Change or Withdrawal Without Notice

INDEX AND PRICE LIST

Cat. No.	Item	List Price	Page
MA-1	1 section 3-40 mmfd trimmer	.35	25
MA-2	2 section 3-40 mmfd trimmer	.60	25
MA-3	3 section 3-40 mmfd trimmer	.90	25
MA-4	4 section 3-40 mmfd trimmer	1.20	25
9-C1	455 KC Transistor I.F. input trans.	3.75	3
9-C2	455 KC Transistor I.F. output trans.	3.75	3
10-C1	455 KC Sub-Min. I.F. input trans.	2.60	13, 16
10-C2	455 KC Sub-Min. I.F. output trans.	2.60	13, 16
12-C1	455 KC Miniature I.F. input trans.	2.30	16
12-C2	455 KC Miniature I.F. output trans.	2.30	16
12-C6	455 KC Min. I.F. with diode filter	2.45	16
12-C7	455 KC Min. input I.F. battery radios	2.30	16
12-C8	455 KC Min. output I.F. battery radios	2.30	16
12-C9	455 KC Min. input I.F. AC-DC radios	2.30	16
12-C10	455 KC Min. output I.F. AC-DC radios	2.30	16
12-H1	262 KC Miniature input I.F. trans.	2.60	16
12-H2	262 KC Miniature output I.F. trans.	2.60	16
12-H6	262 KC Min. I.F. with diode filter	2.75	16
12-W1	1500 KC Min. I.F. input trans.	2.60	16
12-W2	1500 KC Min. I.F. output trans.	2.60	16
*13-PC1	455 KC Input I.F. trans.	2.50	16
*13-PC2	455 KC Output I.F. trans.	2.50	16
*13-PC6	455 KC Output I.F. trans., diode filter	2.65	16
*13-PC7	455 KC Input I.F. trans. battery	2.50	16
*13-PC8	455 KC Output I.F. trans. battery	2.50	16
*13-PC9	455 KC Input I.F. trans. AC-DC	2.50	16
*13-PC10	455 KC Output I.F. trans. AC-DC	2.50	16
*13-PH1	262 KC Input I.F. trans.	2.60	16
*13-PH2	262 KC Output I.F. trans.	2.60	16
*13-PH6	262 KC Output I.F. trans., diode filter	2.75	16
13-W1	1500 KC Min. I.F. input trans.	2.50	16
13-W2	1500 KC Min. I.F. output trans.	2.50	16
012-C1	455 KC Midget input I.F. trans.	2.75	18
012-C2	455 KC Midget interstage I.F. trans.	2.75	18
012-C3	455 KC Midget full wave output I.F.	2.75	18
012-C4	455 KC Midget half wave output I.F.	2.75	18
012-C5	455 KC Midget beat frequency osc.	2.70	19
012-H1	262 KC Midget input I.F. trans.	2.75	18
012-H2	262 KC Midget interstage I.F. trans.	2.75	18
012-H3	262 KC Midget full wave output I.F.	2.75	18
012-H4	262 KC Midget half wave output I.F.	2.75	18
012-H5	262 KC Midget beat frequency osc.	2.70	19
012-K1	175 KC Midget input I.F. trans.	2.85	18
012-K2	175 KC Midget interstage I.F. trans.	2.85	18
012-K3	175 KC Midget full wave output I.F.	2.85	18
012-K4	175 KC Midget half wave output I.F.	2.85	18
012-K5	175 KC Midget beat frequency osc.	2.90	19
012-M1	132 KC Midget input I.F. trans.	3.00	18
012-M2	132 KC Midget interstage I.F. trans.	3.00	18
012-M3	132 KC Midget full wave output I.F.	3.00	18
012-M4	132 KC Midget half wave output I.F.	3.00	18
012-M5	132 KC Midget beat frequency osc.	2.90	19
012-W1	1500 KC Midget input I.F. trans.	2.75	18
012-W2	1500 KC Midget interstage I.F. trans.	2.75	18
012-W3	1500 KC Midget full wave output I.F.	2.75	18
012-W4	1500 KC Midget half wave output I.F.	2.75	18
20-A	Broadcast band antenna coil	.95	13
20-RF	Broadcast band R.F. coil	.95	13
S-21	Aluminum coil shield	.70	25
S-31	Aluminum coil shield	.70	25
S-32	Aluminum coil shield	.70	25
S-41	Aluminum coil shield	.70	25
41-C	455 KC I.F. broadcast band osc. coil	1.45	14
42-A	Broadcast band antenna coil	1.40	13
42-RF	Broadcast band R.F. coil	1.40	13
43-A	Broadcast band antenna coil	1.25	14
43-RF	Broadcast band R.F. coil	1.25	14
43-BP	Broadcast band pass coil	1.25	14
43-H	262 KC I.F broadcast band osc. coil	1.20	14
43-C	455 KC I.F broadcast band osc. coil	1.20	14
44-A	Broadcast band antenna coil	1.50	14
44-RF	Broadcast band R.F. coil	1.50	14
44-BP	Broadcast band pass coil	1.50	14
44-C	455 KC I.F. broadcast band osc. coil	1.45	14
45-H	262 KC I F. broadcast band osc. coil	1.20	14
45-C	455 KC I.F. broadcast band osc. coil	1.20	14
S-51	Aluminum coil shield	.70	25
EL-55	Neg. mutual coupling coil—unshielded	1.10	14
EL-56	Negative mutual coupling coil	1.35	14

*Printed circuit I.F. transformers

Cat. No.	Item	List Price	Page
EL-58	10 KC audio filter	6.60	20
EL-59	Phono scratch filter	8.25	20
EL-60	10 KC audio filter	9.75	20
69-OSC	Broadcast band oscillator coil	1.50	12
70-A	Broadcast band antenna coil	1.50	12
70-RF	Broadcast band R.F. coil	1.50	12
70-OSC	Broadcast band oscillator coil	1.50	12
71-OSC	Universal broadcast osc. coil	2.00	12
72-A	Universal antenna replacement coil	2.30	12
72-RF	Universal R.F. replacement coil	2.30	12
72-OSC	Universal osc. replacement coil	2.30	12
73-A	Universal antenna replacement coil	2.85	12
73-RF	Universal R.F. replacement coil	2.85	12
73-OSC	Universal osc. replacement coil	2.85	12
S-74	Aluminum coil shield	.70	25
L-110	Aluminum coil shield	1.00	25
112-C1	455 KC Midget input I.F. trans.	2.50	18
112-C2	455 KC Midget interstage I.F. trans.	2.50	18
112-C3	455 KC Midget full wave output I.F.	2.50	18
112-C4	455 KC Midget half wave output I.F.	2.50	18
112-C5	455 KC Midget beat frequency osc.	2.50	19
112-H1	262 KC Midget input I.F. trans.	2.60	18
112-H2	262 KC Midget interstage I.F. trans.	2.60	18
112-H3	262 KC Midget full wave output I.F.	2.60	18
112-H4	262 KC Midget half wave output I.F.	2.60	18
112-H5	262 KC Midget beat frequency osc.	2.60	19
112-H6	262 KC Midget I.F. with diode filter	2.80	18
112-K1	175 KC Midget input I.F. trans.	2.75	18
112-K2	175 KC Midget interstage I.F. trans.	2.75	18
112-K3	175 KC Midget full wave output I.F.	2.75	18
112-K4	175 KC Midget half wave output I.F.	2.75	18
112-K5	175 KC Midget beat frequency osc.	2.70	19
112-W1	1500 KC Midget input I.F. trans.	2.50	18
112-W2	1500 KC Midget interstage I.F. trans.	2.50	18
112-W3	1500 KC Midget full wave output I.F.	2.50	18
112-W4	1500 KC Midget half wave output I.F.	2.50	18
112-W5	1500 KC Midget beat frequency osc.	2.50	19
X-121-A	Long Wave Ant. Coil	2.20	13
X-121-RF	Long Wave R.F. Coil	2.20	13
X-121-C	Long Wave Osc. Coil	2.20	13
A-121-A	Broadcast Ant. Coil	1.85	13
A-121-RF	Broadcast R.F. Coil	1.85	13
A-121-C	455 KC I.F. broadcast band osc. coil	1.85	13
A-121-H	262 KC I.F. broadcast band osc. coil	1.85	13
B-121-A	Short Wave Ant. Coil	1.85	13
B-121-RF	Short Wave R.F. Coil	1.85	13
B-121-C	Short Wave Osc. Coil	1.85	13
A-123-A	High Q Broadcast antenna coil	2.25	13
A-123-RF	High Q Broadcast R.F. coil	2.25	13
A-123-C	Oscillator 455 KC I.F.	2.00	13
160-A	360-1000 mmfd adjustable padder	.90	23, 25
160-B	50-400 mmfd adjustable padder	.75	23, 25
160-C	200-600 mmfd adjustable padder	.85	23, 25
160-D	10-160 mmfd adjustable padder	.65	23, 25
160-E	25-280 mmfd adjustable padder	.70	23, 25
160	120 mmfd 3% oscillator padder	.40	25
161	400 mmfd 3% oscillator padder	.45	25
162	500 mmfd 3% oscillator padder	.45	25
163	600 mmfd 3% oscillator padder	.45	25
164	.001 mfd 3% oscillator padder	.55	25
165	.0016 mfd 3% oscillator padder	.65	25
166	.003 mfd 3% oscillator padder	.80	25
167	.01 mfd 5% oscillator padder	1.75	25
168	.005 mfd 3% oscillator padder	1.10	25
180	Mounting clip	.10	15
180	Mounting clip—Bulk Pack per 100	5.00	15
181	Adapter plate	.20	15
181	Adapter plate—Bulk Pack per 100	10.00	15
182	J-TRAN tool	.50	15
182	J-TRAN tool—Bulk Pack per 100	40.00	15
241-A	Broadcast antenna coil	1.50	14
241-RF	Broadcast R.F. coil	1.50	14
241-BP	Broadcast band pass coil	1.25	14
242-A	Broadcast band antenna coil	2.00	14
242-RF	Broadcast R.F. coil	2.00	14
242-BP	Broadcast band pass coil	1.75	14
276-K	175 KC I.F. broadcast band osc. coil	1.50	14
276-H	262 KC I.F. broadcast band osc. coil	1.50	14
276-C	455 KC I.F. broadcast band osc. coil	1.50	14

Prices Subject to Change or Withdrawal Without Notice

INDEX AND PRICE LIST

Prices Subject to Change or Withdrawal Without Notice

INDEX AND PRICE LIST

Cat. No.	Item	List Price	Page
612-W5	1500 KC Beat frequency osc.	2.90	19
F-612-C1	455 KC variable selectivity trans.	3.50	17
F-612-C2	455 KC variable selectivity trans.	3.50	17
612-RC	455 KC regenerative I.F. trans.	3.00	18
612-RW	1500 KC regenerative I.F. trans.	3.00	18
615	.5 MH R.F. choke	.60	10
620	.75 MH R.F. choke	.65	10
622	1 MH R.F. choke	.65	10
625-C	3-band osc. coil	6.25	24
626-A	3-band antenna coil	6.25	24
626-RF	3-band R.F. coil	6.25	24
626-C	3-band oscillator coil	6.25	24
628-A	3-band antenna coil	6.25	24
628-RF	3-band R.F. coil	6.25	24
628-C	3-band osc. coil	6.25	24
629-C	3-band osc. coil	6.25	24
630	1.5 MH R.F. choke	.65	10
640	2.5 MH R.F. choke	.75	10
650	5.0 MH R.F. choke	.75	10
660	7.5 MH R.F. choke	.80	10
670	10. MH R.F. choke	.85	10
670-T	10. MH R.F. choke center tapped	1.05	10
680	12.5 MH R.F. choke	.85	10
690	15. MH R.F. choke	.90	10
691	20. MH R.F. choke	1.00	10
691-T	20. MH R.F. choke center tapped	1.20	10
692	30. MH R.F. choke	1.05	10
693	60. MH R.F. choke	1.20	10
693-T	60. MH R.F. choke center tapped	1.40	10
694	80. MH R.F. choke	1.45	10
695	Capacity relay osc. coil	3.00	25
703-A	Broadcast band loop antenna	2.75	12
705-A	Ferrite Rod Loop	2.75	12
X-726-M	132 KC I.F. tapped osc. coil	2.10	23
X-726-C	455 KC I.F. tapped osc. coil	2.10	23
A-726-C	455 KC I.F. tapped osc. coil	1.70	23
B-726-C	455 KC I.F. tapped osc. coil	1.70	23
C-726-C	455 KC I.F. tapped osc. coil	1.70	23
D-726-C	455 KC I.F. tapped osc. coil	1.70	23
E-726-C	455 KC I.F. tapped osc. coil	1.70	23
S-726-C	455 KC I.F. tapped osc. coil	1.70	23
C-727-W	1500 KC osc. coil	1.70	23
D-727-W	1500 KC osc. coil	1.70	23
E-727-W	1500 KC osc. coil	1.70	23
X-727-A	Long wave antenna coil	2.10	23
X-727-RF	Long wave R.F. coil	2.10	23
X-727-C	455 KC I.F. osc. coil	2.10	23
X-727-M	132 KC I.F. osc. coil	2.10	23
A-727-A	Broadcast band antenna coil	1.70	23
A-727-RF	Broadcast band R.F. coil	1.70	23
A-727-C	455 KC I.F. osc. coil	1.70	23
B-727-A	SW band antenna coil	1.70	23
B-727-RF	SW band R.F. coil	1.70	23
B-727-C	455 KC I.F. osc. coil	1.70	23
C-727-A	SW band antenna coil	1.70	23
C-727-RF	SW band R.F. coil	1.70	23
C-727-C	455 KC I.F. osc. coil	1.70	23
D-727-A	SW band antenna coil	1.70	23
D-727-RF	SW band R.F. coil	1.70	23
D-727-C	455 KC I.F. osc. coil	1.70	23
E-727-A	SW band antenna coil	1.70	23
E-727-RF	SW band R.F. coil	1.70	23
E-727-C	455 KC I.F. osc. coil	1.70	23
S-727-A	SW band antenna coil	1.70	23
S-727-RF	SW band R.F. coil	1.70	23
S-727-C	455 KC I.F. osc. coil	1.70	23
L-727	Aluminum coil shield	1.00	25
S-727	Aluminum coil shield	.70	25
751	.5 MH R.F. choke	1.00	10
752	1.0 MH R.F. choke	1.00	10
753	2.5 MH R.F. choke	1.10	10
754	5.0 MH R.F. choke	1.10	10
755	7.5 MH R.F. choke	1.10	10
756	10.0 MH R.F. choke	1.20	10
757	25.0 MH R.F. choke	1.35	10
758	50.0 MH R.F. choke	1.70	10
812-X1	425-525 KC wave trap	2.25	22
812-X2	225-325 KC wave trap	2.25	22
812-X3	150-225 KC wave trap	2.25	22

Cat. No.	Item	List Price	Page
812-BC1	1200-1600 KC wave trap	2.25	22
812-BC2	800-1200 KC wave trap	2.25	22
812-BC3	500-800 KC wave trap	2.25	22
812-A	1500-2500 KC wave trap	2.25	22
812-B	2000-4500 KC wave trap	2.25	22
812-C	5000-8500 KC wave trap	2.25	22
812-D	12000-18000 KC wave trap	2.25	22
812-E	25000-35000 KC wave trap	2.25	22
816-X1	250-500 KC wave trap	1.85	22
816-X2	125-250 KC wave trap	1.85	22
816-BC1	900-1800 KC wave trap	1.85	22
816-BC2	500-900 KC wave trap	1.85	22
816-A	1500-2500 KC wave trap	1.85	22
816-B	2000-4500 KC wave trap	1.85	22
817-H	Replacement I.F. Trap	5.00	22
851	.5 MH R.F. choke	1.40	10
852	1.0 MH R.F. choke	1.50	10
853	2.5 MH R.F. choke	1.55	10
854	5.0 MH R.F. choke	1.70	10
855	7.5 MH R.F. choke	1.75	10
856	10. MH R.F. choke	1.80	10
857	25. MH R.F. choke	2.15	10
858	50. MH R.F. choke	2.30	10
859	75. MH R.F. choke	2.60	10
860	100. MH R.F. choke	2.85	10
861	150. MH R.F. choke	3.15	10
912-C1	455 KC Perm. tuned input I.F. trans.	4.00	16
912-C2	455 interstage I.F. transformer	4.00	16
912-C3	455 KC full wave output I.F. trans.	4.00	16
912-C4	455 KC half wave output I.F. trans.	4.00	16
912-C5	455 KC Beat frequency osc.	2.90	19
912-H1	262 KC Perm. tuned input I.F. trans.	4.00	16
912-H2	262 KC interstage I.F. transformer	4.00	16
912-H3	262 KC full wave output I.F. trans.	4.00	16
912-H4	262 KC half wave output I.F. trans.	4.00	16
912-H5	262 KC Beat frequency osc.	2.80	19
912-K1	175 KC Perm. tuned input I.F. trans.	4.50	16
912-K2	175 KC interstage I.F. transformer	4.50	16
912-K3	175 KC full wave output I.F. trans.	4.50	16
912-K4	175 KC half wave output I.F. trans.	4.50	16
912-M1	132 KC Perm. tuned input I.F. trans.	4.50	16
912-M2	132 KC interstage I.F. transformer	4.50	16
912-M3	132 KC full wave output I.F. trans.	4.50	16
912-M4	132 KC half wave output I.F. trans.	4.50	16
912-W1	1500 KC Perm. tuned input I.F. trans.	4.00	16
912-W2	1500 KC interstage I.F. transformer	4.00	16
912-W3	1500 KC full wave output I.F. trans.	4.00	16
912-W4	1500 KC half wave output I.F. trans.	4.00	16
912-W5	1500 KC Beat frequency osc.	2.90	19
913-C1	455 KC I.F. input transformer	3.00	17
913-C4	455 KC I.F. output transformer	3.00	17
913-CD	455 KC discriminator transformer	3.30	17
913-W1	1500 KC I.F. input transformer	3.00	17
913-W4	1500 KC I.F. output transformer	3.00	17
913-WD	1500 KC discriminator transformer	3.30	17
951	.5 MH R.F. choke	1.00	10
952	1.0 MH R.F. choke	1.10	10
953	2.5 MH R.F. choke	1.15	10
954	5.0 MH R.F. choke	1.30	10
955	7.5 MH R.F. choke	1.40	10
956	10. MH R.F. choke	1.45	10
957	25. MH R.F. choke	1.75	10
958	50. MH R.F. choke	1.95	10
959	75. MH R.F. choke	2.20	10
960	100. MH R.F. choke	2.50	10
961	150. MH R.F. choke	2.75	10
970	1.0 mh. Printed Circuit RF Choke	.65	11
971	1.2 mh. Printed Circuit RF Choke	.65	11
972	1.5 mh. Printed Circuit RF Choke	.65	11
973	1.8 mh. Printed Circuit RF Choke	.70	11
974	2.2 mh. Printed Circuit RF Choke	.75	11
975	2.7 mh. Printed Circuit RF Choke	.75	11
976	3.3 mh. Printed Circuit RF Choke	.75	11
977	3.9 mh. Printed Circuit RF Choke	.75	11
978	4.7 mh. Printed Circuit RF Choke	.75	11
979	5.6 mh. Printed Circuit RF Choke	.75	11
980	6.8 mh. Printed Circuit RF Choke	.80	11
981	8.2 mh. Printed Circuit RF Choke	.80	11
982	10.0 mh. Printed Circuit RF Choke	.85	11

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Cat. No.	Item	List Price	Page
983	12.0 mh. Printed Circuit RF Choke	.85	11
984	15.0 mh. Printed Circuit RF Choke	.90	11
985	18.0 mh. Printed Circuit RF Choke	.90	11
986	22.0 mh. Printed Circuit RF Choke	1.00	11
987	27.0 mh. Printed Circuit RF Choke	1.00	11
988	33.0 mh. Printed Circuit RF Choke	1.10	11
989	39.0 mh. Printed Circuit RF Choke	1.10	11
990	47.0 mh. Printed Circuit RF Choke	1.15	11
991	56.0 mh. Printed Circuit RF Choke	1.20	11
992	68.0 mh. Printed Circuit RF Choke	1.30	11
993	82.0 mh. Printed Circuit RF Choke	1.40	11
994	100.0 mh. Printed Circuit RF Choke	1.50	11
1050	.4-.75 MH adj. R.F. choke	1.40	14
1051	.7-1.05 MH adj. R.F. choke	1.40	14
1052	1.0-1.5 MH adj. R.F. choke	1.40	14
1053	1.5-2.25 MH adj. R.F. choke	1.40	14
1054	2.0-3.0 MH adj. R.F. choke	1.40	14
1055	3.0-4.5 MH adj. R.F. choke	1.65	14
1056	4.5-7.0 MH adj. R.F. choke	1.65	14
1057	7.0-10.5 MH adj. R.F. choke	1.65	14
1058	10-15 MH adj. R.F. choke	1.65	14
1059	15-22.5 MH adj. R.F. choke	1.95	14
1060	20-30 MH adj. R.F. choke	1.95	14
1061	30-45 MH adj. R.F. choke	1.95	14
1212-C	455 KC 'cart-wheel' I.F. transformer	2.25	18
1312-C1	455 KC Perm. tuned input I.F. trans.	3.50	16
1312-C2	455 KC interstage I.F. transformer	3.50	16
1312-C3	455 KC full wave output I.F. trans.	3.50	16
1312-C4	455 KC half wave output I.F. trans.	3.50	16
1312-M1	132 KC Perm. tuned input I.F. trans.	4.00	16
1312-M2	132 KC interstage I.F. transformer	4.00	16
1312-M3	132 KC full wave output I.F. trans.	4.00	16
1312-M4	132 KC half wave output I.F. trans.	4.00	16
1312-W1	1500 KC Perm. tuned input I.F. trans.	3.50	16
1312-W2	1500 KC interstage I.F. transformer	3.50	16
1312-W3	1500 KC full wave output I.F. trans.	3.50	16
1312-W4	1500 KC half wave output I.F. trans.	3.50	16
1444	110-235 MC antenna coil	5.50	15
1445	110-235 MC R.F. coil	5.50	15
1446	110-235 MC oscillator coil	5.50	15
1447	88-108 MC antenna coil	1.65	15
1448	88-108 MC R.F. coil	1.65	15
1449	88-108 MC osc. coil (10.7 MC I.F.)	1.65	15
1451	10.7 MC FM I.F. transformer	2.50	15
1452	10.7 MC FM discriminator transformer	3.40	15
1453	10.7 MC FM ratio detector trans.	3.40	15
1454	88-108 MC antenna coil	2.35	15
1455	88-108 MC R.F. coil	2.35	15
1456	88-108 MC osc. coil (10.7 MC I.F.)	2.35	15
1461	3-gang variable cond. 3-16 mmfd.	5.00	15
1462	10.7 MC/455 KC I.F. transformer	4.75	15
1463	10.7 MC input transformer	2.85	15, 16
*1463-PC	10.7 MC Input or Interstage trans.	2.85	16
1464	10.7 MC discriminator trans.	3.40	15, 16
*1464-PC	10.7 MC Discriminator trans.	3.40	16
1464-WB	10.7 MC Wide band disc. trans.	3.40	16
1465	10.7 MC Ratio detector transformer	3.40	15, 16
*1465-PC	10.7 MC Ratio Detector trans.	3.40	15
1465-WB	10.7 MC Wide band ratio det. trans.	3.40	16
1466	4.5 MC Sound I.F. transformer	2.60	5
1467	4.5 MC Sound discriminator trans.	3.00	5
1468	4.5 MC Ratio detector transformer	3.30	5
1469	4.5 MC Sound pick-off coil	1.25	5
1470	4.5 MC Sound trap	1.25	5
1470-A	4.5 MC Sound trap shielded	1.65	5
1480	4.5 MC quadrature coil	1.25	5
1481	4.5 MC quadrature coil	1.65	5
1498	4.5 MC Sound Ratio Det. Trans.	3.30	5
1883	50 KC BFO coil	2.75	19
1884	50 KC I.F. coil Q 100	5.50	19
1885	50 KC I.F. coil Q 60	2.75	19
1886-M	100 KC Oscillator erase coil	6.75	19
1887-A	60 KC Oscillator erase coil	6.75	19
1890-P1	100 KC High-Q I.F. transformer	8.50	19
1890-P4	100 KC High-Q I.F. transformer	8.50	19
1898-A	48-52 KC SSSR Trans.	8.50	19
1898-AX	48-52 KC SSSR Trans.	8.50	19
1898-BFO	48-52 KC SSSR Trans.	5.75	19

*Printed circuit I.F. Transformers.

Cat. No.	Item	List Price	Page
2000	Standard transistor antenna rod	2.75	3
2001	Miniature transistor antenna rod	2.50	3
2002	Sub-miniature transistor antenna rod	1.50	3
2003	Miniature transistor antenna rod	2.50	3
2004	Flat strip transistor antenna rod	2.50	3
2005	Flat strip transistor antenna rod	2.50	3
2007	Sub-miniature transistor rod	2.00	3
2020	Unshielded transistor osc. coil	2.25	3
2021	Sub-miniature transistor osc. coil	2.75	3
2022	Unshielded transistor osc. coil	2.25	3
2023	Unshielded transistor osc. coil	2.25	3
2031	455 KC transistor input I.F. trans.	3.00	3
2032	455 KC transistor output I.F. trans.	3.00	3
2041	455 KC transistor input I.F. trans.	3.00	3
2042	455 KC transistor output I.F. trans.	3.00	3
2051	455 KC transistor input I.F. trans.	3.00	3
2104	4-gang variable condenser	16.00	25
2110	2-gang miniature variable condenser	3.00	3
2111	Single section variable condenser	2.75	25
2112	2-gang variable condenser	3.50	25
2113	3-gang variable condenser	5.00	25
2705	Phono plug to phone tip adapter	2.00	2
2881	7 MH R.F. choke	4.95	10
3423	50 KC Low pass filter	11.50	18
3996-A	2-band antenna coil	4.00	23
3996-RF	2-band R.F. coil	4.00	23
3996-C	2-band osc. coil, 455 KC I.F.	4.00	23
3997-A	2-band antenna coil	4.00	23
3997-RF	2-band R.F. coil	4.00	23
3997-C	2-band osc. coil, 455 KC I.F.	4.00	23
3998-C	2-band osc. coil, 455 KC I.F.	4.00	23
3999-C	2-band osc. coil, 455 KC I.F.	4.00	23
4200	Nylon coil forms **Bulk pack per 100**	60.00	8
4200	Economy adjustable R.F. coil form	.75	8
4202	1-2.5 uhy economy adj. R.F. coil	1.25	8
4203	2-5.5 uhy economy adj. R.F. coil	1.25	8
4204	5-12 uhy economy adj. R.F. coil	1.25	8
4205	10-25 uhy economy adj. R.F. coil	1.25	8
4206	20-55 uhy economy adj. R.F. coil	1.50	8
4207	50-140 uhy economy adj. R.F. coil	1.50	8
4208	120-330 uhy economy adj. R.F. coil	1.50	8
4209	310-860 uhy economy adj. R.F. coil	1.50	8
4300	Ceramic coil form **Bulk pack per 100**	115.00	8
4300	Ceramic coil form	1.50	8
4301	0.17-0.27 uhy adjustable R.F. coil	2.00	8
4302	0.27-0.41 uhy adjustable R.F. coil	2.00	8
4303	0.40-0.65 uhy adjustable R.F. coil	2.10	8
4304	0.64-0.95 uhy adjustable R.F. coil	2.20	8
4305	0.94-1.55 uhy adjustable R.F. coil	2.25	8
4306	1.50-2.57 uhy adjustable R.F. coil	2.30	8
4307	2.50-4.40 uhy adjustable R.F. coil	2.40	8
4308	4.30-7.15 uhy adjustable R.F. coil	2.40	8
4309	7.10-12.50 uhy adjustable R.F. coil	2.50	8
4310	12.40-20.30 uhy adjustable R.F. coil	2.50	8
4311	20.10-32.80 uhy adjustable R.F. coil	2.50	8
4312	32.50-51.50 uhy adjustable R.F. coil	2.50	8
4313	51-102 uhy adjustable R.F. coil	2.60	8
4314	101-180 uhy adjustable R.F. coil	2.60	8
4315	178-300 uhy adjustable R.F. coil	2.60	8
4400	Ceramic coil form **Bulk pack per 100**	140.00	8
4400	Ceramic coil form	1.65	8
4403	0.9-1.6 uhy adjustable R.F. coil	2.20	8
4404	1.5-3.2 uhy adjustable R.F. coil	2.25	8
4405	3.1-6.8 uhy adjustable R.F. coil	2.30	8
4406	6.7-15 uhy adjustable R.F. coil	2.40	8
4407	14.8-31 uhy adjustable R.F. coil	2.50	8
4408	30-69 uhy adjustable R.F. coil	2.55	8
4409	68-130 uhy adjustable R.F. coil	2.65	8
4410	126-250 uhy adjustable R.F. coil	2.65	8
4411	245-275 uhy adjustable R.F. coil	2.70	8
4412	450-800 uhy adjustable R.F. coil	2.70	8
4413	750-1400 uhy adjustable R.F. coil	2.75	8
4414	1300-2100 uhy adjustable R.F. coil	2.75	8
4500	Ceramic coil form **Bulk pack per 100**	115.00	8
4500	Adjustable ceramic coil form	1.50	8
4501	.4-.8 uhy adjustable R.F. coil	2.00	8
4502	1-1.6 uhy adjustable R.F. coil	2.00	8
4503	1.6-2.8 uhy adjustable R.F. coil	2.10	8
4504	2.8-5 uhy adjustable R.F. coil	2.20	8
4505	5-9 uhy adjustable R.F. coil	2.30	8

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Cat. No.	Item	List Price	Page
4506	9-16 uhy adjustable R.F. coil	2.40	8
4507	16-24 uhy adjustable R.F. coil	2.50	8
4508	24-35 uhy adjustable R.F. coil	2.50	8
4509	35-60 uhy adjustable R.F. coil	2.50	8
4511	60-120 uhy adjustable R.F. coil	2.50	8
4512	110-200 uhy adjustable R.F. coil	2.60	8
4513	190-330 uhy adjustable R.F. coil	2.60	8
4514	320-500 uhy adjustable R.F. coil	2.60	8
4514-1	480-800 uhy adjustable R.F. coil	2.75	8
4515	25 uhy R.F. choke	.80	9
4517	50 uhy R.F. choke	.80	9
4519	100 uhy R.F. choke	.80	9
4525	HV R.F. power supply coil 5 KV	8.25	6
4526	HV R.F. power supply coil 10 KV	13.75	6
4527	1.0 MH R.F. choke	1.10	9
4528	2.5 uhy R.F. choke	.70	9
4528-1	1 uhy R.F. choke	.70	9
4529	5 uhy R.F. choke	.70	9
4529-10	10 uhy R.F. choke	.70	9
4530	2.5 MH R.F. choke	1.20	9
4531	.5 MH R.F. choke	.90	9
4531-0	.25 MH R.F. choke	.90	9
4531-1	1.0 MH R.F. choke	.90	9
4532	1.5 MH R.F. choke	1.00	9
4533	2.5 MH R.F. choke	2.75	10
4534	1.0 MH R.F. choke	2.20	10
4535	1.5 MH R.F. choke	2.50	10
4536	4.0 MH R.F. choke	3.05	10
4537	2.5 MH R.F. choke **Bulk Pack per 100**	80.00	9
4537	2.5 MH R.F. choke	1.00	9
4538	5.0 MH R.F. choke	1.25	9
4539	7.5 MH R.F. choke	1.40	9
4540	10. MH R.F. choke	1.65	9
4541	25. MH R.F. choke	1.95	9
4542	50. MH R.F. choke	2.50	9
4543	75. MH R.F. choke	2.75	9
4544	100. MH R.F. choke	3.00	9
4545	150. MH R.F. choke	4.40	9
4546	200. MH R.F. choke	4.95	9
4547	250. MH R.F. choke	5.50	9
4550	2.0 MH R.F. choke	2.50	10
4551	4.0 MH R.F. choke	2.75	10
4562	35-70 uhy adjustable R.F. choke	.85	12
4563	60-120 uhy adjustable R.F. choke	.95	12
4564	110-200 uhy adjustable R.F. choke	1.05	12
4565	190-300 uhy adjustable R.F. choke	1.15	12
4566	320-500 uhy adjustable R.F. choke	1.25	12
4580	.1 uhy R.F. choke	.55	9
4580-E	.1 uh. encapsulated R.F. choke	1.65	11
4582	.15 uhy R.F. choke	.55	9
4582-E	.15 uh. encapsulated R.F. choke	1.65	11
4584	.22 uhy R.F. choke	.55	9
4584-E	.22 uh. encapsulated R.F. choke	1.65	11
4586	.33 uhy R.F. choke	.55	9
4586-E	.33 uh. encapsulated R.F. choke	1.65	11
4588	47 uhy R.F. choke	.55	9
4588-E	.47 uh. encapsulated R.F. choke	1.65	11
4590	.68 uhy R.F. choke	.55	9
4590-E	.68 uh. encapsulated R.F. choke	1.65	11
4592	.75 uhy R.F. choke	.55	9
4592-E	.75 uh. encapsulated R.F. choke	1.65	11
4594	.82 uhy R.F. choke	.55	9
4594-E	.82 uh. encapsulated R.F. choke	1.65	11
4602	1 uhy R.F. choke.	.55	9
4602-E	1.0 uh. encapsulated R.F. choke	1.65	11
4604	1.5 uhy R.F. choke	.55	9
4604-E	1.5 uh. encapsulated R.F. choke	1.65	11
4606	2.4 uhy R.F. choke	.55	9
4606-E	2.4 uh. encapsulated R.F. choke	1.65	11
4608	3.9 uhy R.F. choke	.55	9
4608-E	3.9 uh. encapsulated R.F. choke	1.65	11
4609	5.5 uhy R.F. choke	.60	9
4609-E	5.5 uh. encapsulated R.F. choke	1.70	11
4610	6.2 uhy R.F. choke	.60	9
4610-E	6.2 uh. encapsulated R.F. choke	1.70	11
4611	8.2 uhy R.F. choke	.60	9
4611-E	8.2 uh. encapsulated R.F. choke	1.70	11
4612	10 uhy iron core R.F. choke	.60	9
4612-E	10.0 uh. encapsulated R.F. choke	1.70	11
4622	10 uhy R.F. choke	.65	9
4622-E	10.0 uh. encapsulated R.F. choke	1.75	11
4624	15 uhy core R.F. choke	.65	9
4624-E	15.0 uh. encapsulated R.F. choke	1.75	11
4626	24 uhy iron core R.F. choke	.70	9
4626-E	24.0 uh. encapsulated R.F. choke	1.80	11
4628	39 uhy iron core R.F. choke	.70	9
4628-E	39.0 uh. encapsulated R.F. choke	1.80	11
4629	55 uhy iron core R.F. choke	.75	9
4629-E	55.0 uh. encapsulated R.F. choke	1.80	11
4630	62 uhy iron core R.F. choke	.75	9
4630-E	62.0 uh. encapsulated R.F. choke	1.80	11
4631	82 uhy iron core R.F. choke	.75	9
4631-E	82 0 uh. encapsulated R.F. choke	1.80	11
4632	100 uhy iron core R.F. choke	.75	9
4632-E	100.0 uh. encapsulated R.F. choke	1.80	11
4642	.1 MH R.F. choke	.75	9
4642-E	.10 mh. encapsulated R.F. choke	2.00	11
4644	.15 MH R.F. choke	.75	9
4644-E	.15 mh. encapsulated R.F. choke	2.00	11
4646	.24 MH R.F. choke	.75	9
4646-E	.24 mh. encapsulated R.F. choke	2.00	11
4648	.39 MH R.F. choke	.80	9
4648-E	.39 mh. encapsulated R.F. choke	2.10	11
4649	.55 MH R.F. choke	.80	9
4649-E	.55 mh. encapsulated R.F. choke	2.10	11
4650	.62 MH R.F. choke	.80	9
4650-E	.62 mh. encapsulated R.F. choke	2.10	11
4651	.75 MH R.F. choke	.80	9
4651-E	.75 mh. encapsulated R.F. choke	2.10	11
4652	1 MH R.F. choke	.80	9
4652-E	1.0 mh. encapsulated R.F. choke	2.10	11
4662	1 MH iron core R.F. choke	.85	9
4662-E	1.0 mh. encapsulated R.F. choke	2.15	11
4664	1.5 MH iron core R.F. choke	.90	9
4664-E	1.5 mh. encapsulated R.F. choke	2.20	11
4666	2.4 MH iron core R.F. choke	1.00	9
4666-E	2.4 mh. encapsulated R.F. choke	2.30	11
4668	3.9 MH iron core R.F. choke	1.10	9
4668-E	3.9 mh. encapsulated R.F. choke	2.40	11
4669	5.5 MH iron core R.F. choke	1.25	9
4669-E	5.5 mh. encapsulated R.F. choke	2.55	11
4670	6.2 MH iron core R.F. choke	1.25	9
4670-E	6.2 mh. encapsulated R.F. choke	2.55	11
4671	8.2 MH iron core R.F. choke	1.50	9
4671-E	8.2 mh. encapsulated R.F. choke	2.80	11
4672	10 MH iron core R.F. choke	1.75	9
4672-E	10.0 mh. encapsulated R.F. choke	3.10	11
5218	Hash Filter Choke	1.25	20
5219	Hash Filter Choke	1.25	20
5220	Hash Filter Choke	1.25	20
5221	Auto radio filament choke	.90	20
5222	Auto radio plate choke	1.25	20
5480-A	Broadcast band antenna coil	1.25	13
5480-RF	Broadcast band R.F. coil	1.50	13
5480-C	Broadcast band osc. coil, 455 KC I.F.	1.25	13
5480-ABP	Antenna-band-pass coil	1.75	13
5480-H	Broadcast band osc. coil, 262 KC I.F.	1.25	13
5480-K	Broadcast band osc. coil, 175 KC I.F.	1.25	13
5481-H	Broadcast band osc. coil, 262 KC I.F.	1.25	13
5481-K	Broadcast band osc. coil, 175 KC I.F.	1.25	13
5481-C	Broadcast band osc. coil, 455 KC I.F.	1.25	13
A-5495-A	Broadcast antenna coil	2.10	8
A-5495-RF	Broadcast R.F. coil	2.10	8
A-5495-C	455 KC I.F. osc. coil	2.10	8
A-5496-C	455 KC I.F. tapped osc. coil	2.10	8
B-5495-A	Short wave antenna coil	2.10	8
B-5495-RF	Short wave R.F. coil	2.10	8
B-5495-C	455 KC I.F. osc. coil	2.10	8
B-5496-C	455 KC I.F. tapped osc. coil	2.10	8
C-5495-A	Short wave antenna coil	2.10	8
C-5495-RF	Short wave R.F. coil	2.10	8
C-5495-C	455 KC I.F. osc. coil	2.10	8
C-5496-C	455 KC I.F. tapped osc. coil	2.10	8
D-5495-A	High frequency antenna coil	2.10	8
D-5495-RF	High frequency R.F. coil	2.10	8
D-5495-C	455 KC I.F. osc. coil	2.10	8
D-5496-C	455 KC I.F. tapped osc. coil	2.10	8
X-5495-A	Long wave antenna coil	2.10	8
X-5495-RF	Long wave R.F. coil	2.10	8
X-5495-C	455 KC I.F. osc. coil	2.10	8

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X-5496-C	455 KC I.F. tapped osc. coil	2.10	8
6103	TV antenna matching trans. (Balun)	1.25	4
6104	TV Antenna matching coil (Balun)	1.00	4
6110	Video peaking coil 60 uhy	.50	6
6112	Video peaking coil 100 uhy	.60	6
6120	Video peaking coil 155 uhy	.60	6
6130	Video peaking coil 275 uhy	.60	6
6132	Video peaking coil 330 uhy	.60	6
6134	Video peaking coil 375 uhy	.60	6
6136	Video peaking coil 420 uhy	.60	6
6138	Video peaking coil 470 uhy	.60	6
6144	Video peaking coil 550 uhy	.60	6
6146	Video peaking coil 600 uhy	.60	6
6148	Video peaking coil 700 uhy	.60	6
6152	Video peaking coil 20 uhy	.50	6
6153	Video peaking coil 120 uhy	.60	6
6154	Video peaking coil 200 uhy	.60	6
6155	Video peaking coil 300 uhy	.60	6
6156	Video peaking coil 800 uhy	.60	6
6157	Video peaking coil 950 uhy	.60	6
6158	Adjustable R.F. choke, 50-100 uhy	1.40	14
6159	Adjustable R.F. choke, 100-200 uhy	1.40	14
6160	Adjustable R.F. choke, 200-400 uhy	1.40	14
6161	TV Antenna coupling transformer	2.75	4
6162	TV Antenna coupling transformer	2.75	4
6163	Wave traps 150-250 MC	4.40	7
6164	Wave traps 75-150 MC	4.40	7
6165	Wave traps 40-80 MC	4.40	7
6166	Wave traps 20-40 MC	4.40	7
6167	Television high-pass filter	5.50	7
6168	Television high-pass filter	5.50	7
6170	21.25 MC sound discriminator trans.	3.30	5
6171	21-25 MC tunable choke	1.25	5
6171-A	25-29 MC tunable choke	1.25	5
6172	Video peaking coil, 73 uhy	.60	6
6173	Video peaking coil, 250 uhy, 22K	.60	6
6174	Video peaking coil, 500 uhy	.60	6
6175	TV filament choke, 0.8 uhy	.50	6
6176	Video peaking coil, 36 uhy	.50	6
6177	Video peaking coil, 93 uhy	.60	6
6178	Video peaking coil, 120 uhy, 22 K	.60	6
6179	Video peaking coil, 180 uhy, 39 K	.60	6
6180	Video peaking coil, 180 uhy	.60	6
6181	Video peaking coil, 250 uhy	.60	6
6182	Horizontal osc. & sync. control	2.25	4
6183	Horizontal osc. & sync. stabil.	2.75	4
6183-A	Reversed horiz. osc. & sync. stabil...	2.75	4
6184	21.25 MC ratio detector transformer	3.30	5
6185	21.8 MC converter I.F. transformer	2.75	5
6186	25.3 MC 1st pix I.F. transformer	2.75	5
6187	22.3 MC 2nd pix I.F. transformer	2.10	5
6188	25.2 MC 3rd pix I.F. transformer	1.25	5
6189	23.4 MC video detector I.F. trans.	1.25	5
6190	21.25 MC 1st sound I.F. transformer	2.40	5
6191	21.25 MC 2nd sound I.F. transformer	2.40	5
6192	21.25 MC sound discriminator trans.	3.00	5
6193	Cathode sound trap, 21.25 MC	2.00	5
6194	Horizontal osc. & A.F.C. disc.	2.75	4
6195	.185-1 MH adj. iron core inductor	1.25	4
6196	.054-.245 MH adj. iron core inductor	1.10	4
6196-A	.054-.50 MH tapped	1.25	4
6197	.55-2.3 MH tapped	1.25	4
6198	.170-.61 MH adj. iron core inductor.	1.10	4
6199-A	1.3-4.1 MH tapped	1.30	4
6199-B	.50-1.7 MH adj. iron core inductor	1.25	4
6200	TV Antenna matching coil (Balun)	2.00	4
6201	TV Antenna coupling transformer	2.75	4
6202	TV Antenna matching coil (Balun)	2.00	4
6203	4.5 MC Miniature I.F. transformer	2.85	5, 16
*6203-PC	4.5 MC Input or Interstage trans.	2.85	16
6204	4.5 MC Min. discriminator trans.	3.40	5, 16
*6204-PC	4.5 MC Discriminator trans..	3.40	16
6205	4.5 MC Min. ratio detector trans.	3.40	5, 16
*6205-PC	4.5 MC Ratio Detector trans.	3.40	16
6206-PC	4.5 MC Ratio Det. trans. (GE-RTD-026).	4.50	16
6207-PC	4.5 MC Ratio Det. trans. (GE-RTD-025)	3.75	16
6208-PC	4.5 MC Ratio Det. trans. (GE-RTD-020)..	4.50	16
6210	Sync. stabilizer (ringing) coil	2.25	4
6211	Sync. stabilizer coil tapped	2.25	4

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6212	Horizontal osc. coil tapped	2.25	4
6215	40 MC TV converter I.F. trans.	2.50	6
6216	40 MC TV 1st pix I.F. grid trans.	3.00	6
6217	40 MC TV 1st pix I.F. plate trans.	3.00	6
6218	40 MC TV 2nd pix I.F. grid trans.	2.75	6
6219	40 MC TV 3rd or 4th pix I.F. trans.	1.25	6
6220	40-46 MC Mixer with 75 ohm link	1.25	6
6221	40-46 MC Bifilar wound I.F. with trap	2.50	6
6222	42-48 MC Bifilar wound I.F. with trap.	2.50	6
6223	40-46 MC Bifilar wound I.F. with trap	2.50	6
6224	39-46 MC Bifilar wound I.F.	1.40	6
6225	39-49 MC Single winding I.F.	1.55	6
6226	40-46 MC High Q trap	1.40	6
6230	44 MC converter. I.F.	2.50	6, 16
*6230-PC	44 MC TV Converter I.F. trans.	2.75	16
6231	44 MC First I.F.	2.50	6, 16
*6231-PC	44 MC TV First I.F. trans.	2.75	16
6232	42.5 MC Second I.F.	2.10	6, 16
*6232-PC	42.5 MC TV Second I.F. trans. with trap	2.40	16
6233	45.5 MC Third I.F. with trap	2.50	6, 16
*6233-PC	45.5 MC TV Third I.F. trans. with trap	2.75	16
6234	44 MC Fourth I.F. with trap	1.85	6, 16
*6234-PC	44 MC TV Fourth I.F. trans.	2.25	16
6245	25.5 MC First I.F. with trap	2.50	5
6246	22 MC Second I.F. with trap	2.50	5
6247	21.25 MC Cathode trap	2.50	5
6248	24.5 Video Det. I.F.	1.50	5
6249	21-25 MC Bifilar wound I.F.	1.50	5
6250	25-29 MC Bifilar wound I.F.	1.50	5
6251	21-25 MC Bifilar I.F. shielded	2.25	5
6252	25-29 MC Bifilar I.F. shielded	2.25	5
6253	21-25 MC Bifilar I.F.	2.75	5
6254	25-29 MC Bifilar I.F.	2.75	5
6261	21.25 MC Sound discriminator trans.	3.40	5, 16
6262	21.25 MC Sound ratio detector trans.	3.40	5, 16
6295	Adjustable ion trap	1.25	5
6300	Broadcast antenna coil (ferrite)	1.25	8
6302	2.5 MH ferrite core R.F. choke	1.00	9
6302-E	2.5 mh. encapsulated R.F. choke	2.40	11
6304	5 MH ferrite core R.F. choke	1.25	9
6304-E	5.0 mh. encapsulated R.F. choke	2.65	11
6306	10 MH ferrite core R.F. choke	1.50	9
6306-E	10.0 mh. encapsulated R.F. choke	2.90	11
6308	25 MH ferrite core R.F. choke	1.75	9
6308-E	25.0 mh. encapsulated R.F. choke	3.15	11
6310	50 MH ferrite core R.F. choke	2.00	9
6310-E	50 0 mh. encapsulated R.F. choke	3.40	11
6313	.50-5.0 MH adj. ferrite core inductor	1.50	4
6314	2.5-17 MH adj. ferrite core inductor	1.75	4
6315	4.0-30 MH adj. ferrite core inductor	1.80	4
6316	4.0-30 MH with AGC winding	2.25	4
6317	3.2-9.0 MH with AGC winding	2.25	4
6318	.3-3 MH adj. ferrite core inductor	1.50	4
6319	15-60 MH adj. ferrite core inductor	2.25	4
6320	.3-3 MH tapped	1.50	4
6321	1.0-5.0 MH tapped	1.50	4
6322	1.5-10 MH adj. ferrite core inductor	1.75	4
6323	.50-5.0 MH tapped	1.50	4
6324	60.-130 MH tapped	2.25	4
6325	4.2-30 MH with AGC winding	2.25	4
6326	2.5-19 MH with series winding	3.05	4
6327	4-30 MH with series winding	3.05	4
6328	9-24 MH with AGC winding	2.25	4
6329	2.2-10 MH tapped	1.75	4
6330	45-215 MH adj. ferrite core inductor	2.60	4
6331	4-30 MH with series winding	3.05	4
7803	2. +2. mfd 220 VAC filter condenser	4.95	21
7804	2. mfd 220 VAC filter condenser	2.75	21
7812	Teletype interference filter	5.00	20
7813	AC-DC interference filter..	9.75	7
7814	Cash register interference filter	16.50	20
7815	Appliance interference filter	9.25	7
7816	Capacity interference filter.	2.50	7
7817	Electric shaver filter	3.00	7
7817-1	Electric shaver filter	3.00	7
7818	All-wave interference filter	9.25	7
7819	5-ampere uni-filter	43.00	22
7820	10-ampere uni-filter	45.50	22
7821	20-ampere uni-filter	48.00	22

*Printed circuit I.F. transformers

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7825	2-ampere filter choke	2.00	21	7841	5-ampere industrial filter	60.00	22
D-7825	Dual 2-ampere filter choke	4.00	21	7842	10-ampere industrial filter	62.50	22
7825-3	3-ampere filter choke	2.00	21	7843	20-ampere industrial filter	65.00	22
D-7825-3	Dual 3-ampere filter choke	4.00	21	7844	30-ampere industrial filter	67.50	22
7825-5	5-ampere filter choke	2.00	21	7845	40-ampere industrial filter	70.00	22
D-7825-5	Dual 5-ampere filter choke	4.00	21	7865	250 MA rectifier filter choke	2.50	20
7825-8	8-ampere filter choke	2.00	21	7867	500 MA rectifier filter choke	2.75	20
D-7825-8	Dual 8-ampere filter choke	4.00	21	7868	1000 MA rectifier filter choke	3.25	20
7826	5-ampere filter choke	4.85	21	7870	5-ampere tower lighting choke	7.25	22
D-7826	Dual 5-ampere filter choke	7.25	21	7871	10-ampere tower lighting choke	8.50	22
7827	10-ampere filter choke	5.45	21	7872	20-ampere tower lighting choke	9.70	22
D-7827	Dual 10-ampere filter choke	8.50	21	7875	High tension neon filter choke	3.00	21
7828	20-ampere filter choke	6.00	21	7876	20 watt fluorescent filter choke	1.90	22
D-7828	Dual 20-ampere filter choke	9.70	21	7877	40 watt fluorescent filter choke	1.90	22
7829	30-ampere filter choke	6.60	21	7878	80 watt fluorescent filter choke	1.90	22
D-7829	Dual 30-ampere filter choke	10.80	21	7879	160 watt fluorescent filter choke	1.90	22
7830	50-ampere filter choke	45.00	21	7880	5-ampere traffic signal filter	6.50	7
D-7830	Dual 50-ampere filter choke	75.00	21	7881	10-ampere traffic signal filter	7.50	7
7831	75-ampere filter choke	55.00	21				

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TV-114	6204	TV-173	6103	BC-304	512-H1	BC-359	10-C2	BC-412	43-A	BC-521	757	SW-605	012-W2
TV-115	6205	TV-180	6176	BC-305	512-H2	BC-360	112-K1	BC-413	43-RF	BC-522	758	SW-606	012-W3
TV-116	6249	TV-181	6177	BC-306	512-H3	BC-361	112-K2	BC-414	43-BP	BC-525	951	SW-607	012-W4
TV-117	6170	TV-182	6178	BC-307	512-H4	BC-362	112-K3	BC-415	44-A	BC-526	952	SW-620	B-121-A
TV-118	6171-A	TV-183	6179	BC-308	512-C1	BC-363	112-K4	BC-416	44-RF	BC-527	953	SW-621	B-121-RF
TV-119	1470	TV-184	6180	BC-309	512-C2	BC-364	112-H1	BC-417	44-BP	BC-528	954	SW-622	B-121-C
TV-124	1481	TV-185	6181	BC-310	512-C3	BC-365	112-H2	BC-430	512-K5	BC-529	955	SW-630	4528
TV-125	6230	TV-186	6172	BC-311	512-C4	BC-366	112-H3	BC-431	512-H5	BC-530	956	SW-631	4529
TV-126	6231	TV-187	6173	BC-312	512-W1	BC-367	112-H4	BC-432	512-C5	BC-531	957	MWC-1	6316
TV-127	6232	TV-188	6174	BC-313	512-W2	BC-368	112-C1	BC-433	512-Q5	BC-532	958	MWC-2	6318
TV-128	6234	TV-189	6175	BC-314	512-W3	BC-369	112-C2	BC-434	512-W5	BC-533	959	MWC-3	6319
TV-129	6233	TV-192	6152	BC-315	512-W4	BC-370	112-C3	BC-450	7815	BC-534	960	MWC-4	6320
TV-130	6224	TV-193	6110	BC-330	612-K1	BC-371	112-C4	BC-451	7876	BC-535	961	MWC-5	6321
TV-131	6225	TV-194	6112	BC-331	612-K2	BC-372	112-H6	BC-452	7877	BC-537	5221	MWC-6	6322
TV-131	6226	TV-195	6153	BC-332	612-K3	BC-375	1212-C	BC-453	7878	BC-538	851	MWC-7	6196
TV-132	6221	TV-196	6120	BC-333	612-K4	BC-376	312-C6	BC-454	7879	BC-539	852	MWC-8	6198
TV-133	6223	TV-197	6154	BC-334	612-H1	BC-377	1462	BC-455	7818	BC-540	853	MWC-11	6314
TV-134	6222	TV-210	6167	BC-335	612-H2	BC-380	72-A	BC-460	522	BC-541	854	MWC-12	6315
TV-136	6245	TV-211	6168	BC-336	612-H3	BC-381	72-OSC	BC-462	1462	BC-542	855	MWC-13	6324
TV-137	6246	TV-220	6163	BC-337	612-H4	BC-382	72-RF	BC-500	610	BC-543	856	MWC-14	6195
TV-138	6248	TV-221	6164	BC-338	612-C1	BC-383	73-A	BC-501	620	BC-544	857	MWC-15	6196-A
TV-141	6253	TV-222	6165	BC-339	612-C2	BC-384	73-OSC	BC-502	630	BC-545	858	MWC-16	6197
TV-142	6254	TV-223	6166	BC-340	612-C3	BC-385	73-RF	BC-503	640	BC-546	859	MWC-17	6199-A
TV-144	6261	TV-230	4525	BC-341	612-C4	BC-386	70-A	BC-504	650	BC-547	860	MWC-18	6199-B
TV-145	6262												

Automatic Mfg. Corp. (K-Tran.) to Miller Equivalent Coil Catalog Numbers

AUTOMATIC	MILLER	AUTOMATIC	MILLER	AUTOMATIC	MILLER	AUTOMATIC	MILLER	AUTOMATIC	MILLER	AUTOMATIC	MILLER
BS-814M	9-C1	ER-640J	1465-WB	1655-11	12-C1	2607-5	1465	4807-2	1463-PC	4944-6	6233-PC
BS-815M	9-C2	EXO-5526	2051	1655-14	12-H1	2622-1	6262	4845-2	6203-PC	4944-7	6234-PC
BS-993L	2031	ED-302226J	1464-WB	1744-4	6230	2622-3	6261	4855-6	13-PC1	5807-1	1464-PC
BS-994L	2032	NS-996M	2021	1744-4	6231	2645-1	6204	4855-14	13-PH1	5807-5	1465-PC
BS-3201-34L	2041	1155-1	10-C1	1744-5	6232	2645-3	6205	4944-4	6230-PC	5845-1	6204-PC
CR302231F	6206-PC	1500-1	13-W1	1744-6	6233	3021-65L	2042	4944-4	6231-PC	6855-4B	13-PH6
CR302232	6207-PC	1607-2	1463	1744-7	6234	3655-4B	12-H6	4944-5	6232-PC	6855-11B	13-PC6
CR302233	6208-PC	1645-2	6203	2607-1	1464	3655-11B	12-C6				

Prices Subject to Change or Withdrawal Without Notice

Meissner to Miller Equivalent Coil & Parts Catalog Numbers

MEISSNER	MILLER
14-1004	242-A
14-1005	242-RF
14-1010	241-A
14-1011	241-RF
14-1015	628-A
14-1016	628-RF
14-1017	628-C
14-1022	43-A
14-1023	43-RF
14-1026	72-A
14-1027	72-RF
14-1028	72-OSC
14-1033	5481-C
14-1040	71-OSC
14-1041	B-5495-A
14-1042	B-5495-RF
14-1043	B-5495-C
14-1044	C-5495-A
14-1045	C-5495-RF
14-1046	C-5495-C
14-1053	71-OSC
14-1055	A-5496-C
14-1056	A-5495-A
14-1057	A-5495-RF
14-1058	A-5495-C
14-1060	71-OSC
14-1061	B-5495-A
14-1062	B-5495-RF
14-1063	B-5496-C
14-1064	C-5495-A
14-1065	C-5495-RF
14-1066	C-5496-C
14-1067	626-A
14-1068	626-RF
14-1069	626-C
14-1070	3999-C
14-1071	70-A
14-1072	70-RF
14-1073	69-OSC
14-1074	70-OSC
14-1075	70-A
14-1076	70-RF
14-1077	70-Osc
*14-1407	X-5495-A
*14-1408	X-5495-RF
*14-1409	X-5496-C
*14-1410	A-5495-A
*14-1411	A-5495-RF
*14-1412	A-5496-C
*14-1413	B-5495-A
*14-1414	B-5495-RF
*14-1415	B-5496-C
*14-1416	C-5495-A
*14-1417	C-5495-RF
*14-1418	C-5496-C
*14-1419	D-5495-A
*14-1420	D-5495-RF
*14-1421	D-5496-C
14-2436	44-A
14-2437	44-RF
14-2860	3997-A
14-2862	3999-C
14-3732	5480-K
14-4034	5480-C
14-4242	5482-K
14-4243	5482-C
14-6140	703-A
14-6417	1447
14-6418	1448
14-6419	1449
14-6590	5480-H
14-6592	5480-J
14-6850	357
14-6852	356
14-6854	355
14-6856	354
14-6865	365
14-7000	6300
14-7001	2002
14-7413	73-A
14-7476	3997-A
14-7478	3997-RF
14-7480	3997-C
14-7558	73-RF
14-7560	73-OSC
14-8418	352
14-9003	2000
14-9004	2023
14-9005	2005
14-9006	2021
14-9010	2022
14-9013	2003
14-9014	2022
14-9015	2007
14-9016	2020
14-9017	2001
14-9019	2004
15-1003	6168
15-1072	6167
15-1073	6161
15-1074	6162
15-1082	6104
15-2866	816-XI
15-2888	817-H
15-7515	7815
15-7520	EL-60
15-8479	812-BC3
15-8480	812-BC2
15-8481	812-BC1
16-3445	1466
16-3471	1451
16-3472	1451
16-3487	1463
16-3490	1463-PC
16-3731	512-K3
16-3736	512-C3
16-5700	512-K1
16-5702	512-K4
16-5704	512-H2
16-5706	512-H4
16-5712	512-C1
16-5714	512-C4
16-5728	612-K2
16-5730	612-K4
16-5740	612-C2
16-5742	612-C4
16-5782	612-C2
16-5784	612-C4
16-6131	612-C2
16-6133	512-C2
16-6600	590-K
16-6601	590-C
16-6602	590-KT
16-6603	590-CT
16-6649	112-K1
16-6650	112-K2
16-6651	112-K4
16-6652	312-H1
16-6653	312-H2
16-6654	312-H4
16-6658	312-C1
16-6659	312-C2
16-6660	312-C4
16-6661	1212-C
16-6662	412-C2
16-6663	412-C4
16-6665	1451
16-6666	112-C1
16-6667	112-C4
16-6668	12-C7
16-6669	12-C8
16-6670	312-C6
16-6675	1462
16-6678	12-C9
16-6678	12-C10
16-6679	312-H6
16-6752	12-H2
16-6754	12-H6
16-6756	12-H2
16-6756	13-PH1
16-6758	12-C
16-6760	1312-W1
16-6761	1312-W4
16-6766	12-C6
16-6770	12-C6
16-6780	13-PC1
16-6800	10-C1
16-6801	10-C2
16-8091	612-W2
16-8099	612-W4
16-9002	2041
16-9003	2031
16-9004	2032
16-9014	2042
17-1001	6186
17-1002	6187
17-1003	6188
17-1004	6189
17-1005	6245
17-1006	6246
17-1011	6190
17-1012	6191
17-1013	6192
17-1020	6185
17-1021	1466
17-1023	1467
17-1026	1470-A
17-1031	1481
17-1033	1468
17-1034	1470
(unshielded)	
17-1035	6170
17-1043	6184
17-1045	6262
17-1047	6261
17-1062	6171-A
17-1063	6171
17-1064	6171-A
17-1066	6249
17-1071	1466
17-3400	1470
17-3401	1469
17-3402	1470
17-3412	1470
17-3484	1452
17-3486	913-CD
17-3487	1453
17-3488	1453
17-3489	6203-PC
17-3490	6204-PC
17-3491	1464-PC
17-3492	1465-PC
17-3493	1468
17-3494	1464
17-3495	6203
17-3496	6204
17-3497	6205
17-3498	1465
17-3499	6205-PC
17-4500	6221
17-4501	6223
17-4502	6222
17-4503	6221
17-4504	6233
17-4505	6215
17-4507	6187
17-4508	6251
17-4509	6218
17-4512	6186
17-4514	None
17-4518	6216
17-4519	6217
17-4520	6218
17-4521	6234
17-4522	6220
17-4523	6224
17-4524	6224
17-4531	6216
17-4532	6217
17-4533	6218
17-4534	6220
17-4535	6221
17-4536	6222
17-5000	6234
17-5001	6231
17-5002	6232
17-5003	6233
17-5004	6234
17-5010	6230-PC
17-5011	6231-PC
17-5012	6232-PC
17-5013	6233-PC
17-5014	6234-PC
17-6753	512-C5
17-7400	F612-C1
17-7412	F612-C2
17-9373	522
19-1000	4602
19-1001	4604
19-1002	4606
19-1003	4608
19-1004	4610
19-1005	4612
19-1006	4624
19-1007	4590
19-1020	6171
19-1021	6171
19-1023	6171-A
19-1575	6210
19-1576	6319
19-1577	6324
19-1900	756
19-1920	4563
19-1921	4564
19-1922	4565
19-1923	4566
19-1986	610
19-1987	615
19-1988	620
19-1989	622
19-1990	630
19-1991	691
19-1994	640
19-2330	692
19-2400	4666
19-2709	694
19-3001	6175
19-3018	4533
19-3019	4533
19-3036	6176
19-3075	6172
19-3093	6177
19-3100	6112
19-3125	6178
19-3160	6120
19-3180	6179
19-3204	4525
19-3210	4526
19-3247	693
19-3250	6181
19-3300	6155
19-3500	6174
19-3660	6148
19-4036	6176
19-4060	6110
19-4073	6172
19-4093	6177
19-4120	6153
19-4121	6153
19-4122	6178
19-4125	6178
19-4160	6120
19-4180	6179
19-4200	6154
19-4201	6154
19-4215	5221
19-4250	6173
19-4251	6181
19-4400	6136
**19-4412	6136
19-4500	6174
19-4840	6156
19-4950	6157
19-5100	6157
19-5102	4670
19-5580	751
19-5581	752
19-5582	753
19-6022	4515
19-6832	951
19-6833	952
19-6834	953
19-6837	954
19-6840	956
19-6849	961
19-6854	853
19-6860	856
19-6880	6158
19-6881	6159
19-6882	6160
19-6883	1050
19-6884	1051
19-6885	1052
19-6886	1053
19-6887	1054
19-6888	1055
19-6889	1056
19-6890	1057
19-6891	1058
19-6892	1059
19-6893	1060
19-6894	1061
19-7047	4517
19-7100	4519
19-8770	670
20-1004	1470
20-1005	1480
20-1006	6171
20-1007	1480
20-1021	6193
20-1024	6196
20-1025	6315
20-1026	6315
20-1027	6313
20-1028	6316
20-1029	6314
20-1031	6198
20-1032	6320
20-1033	6321
20-1034	6319
20-1035	6316
20-1049	6225
20-1400	6194
20-1401	6182
20-1402	6183
21-9003	2110
21-9005	2112
21-9006	2111
22-7000	160-D
22-7001	160-B
22-7008	160-A

**Parallel with 8.2K Resistor.

*These coils are electrical equivalents but ours are supplied unshielded. May be shielded by using our #S-32 shield.

While some of the Miller items listed here are not in the #59 Catalog, they are in stock for immediate delivery.

Thordarson to Miller Equivalent Coil Catalog Numbers

THORDARSON	MILLER
HS-1	6194
HS-2	6182
HS-3	6183
HS-4	6315
HS-5	6319
HS-6	6324
HS-9	6183-A
WC-10	6196
WC-11	6196
WC-12	6313
WC-13	6325
WC-14	6315
WC-15	6198
WC-16	6197
WC-17	6199-A
WC-18	6314
WC-19	6319
WC-20	6316
WC-21	6326
WC-22	6322
WC-23	6313
WC-24	6327
WC-25	6313
WC-26	6328
WC-27	6317
WC-28	6329
WC-29	6331
WC-30	6330
WC-31	6324

A Miller Technician's TV Coil Cross Reference Guide is available upon request.

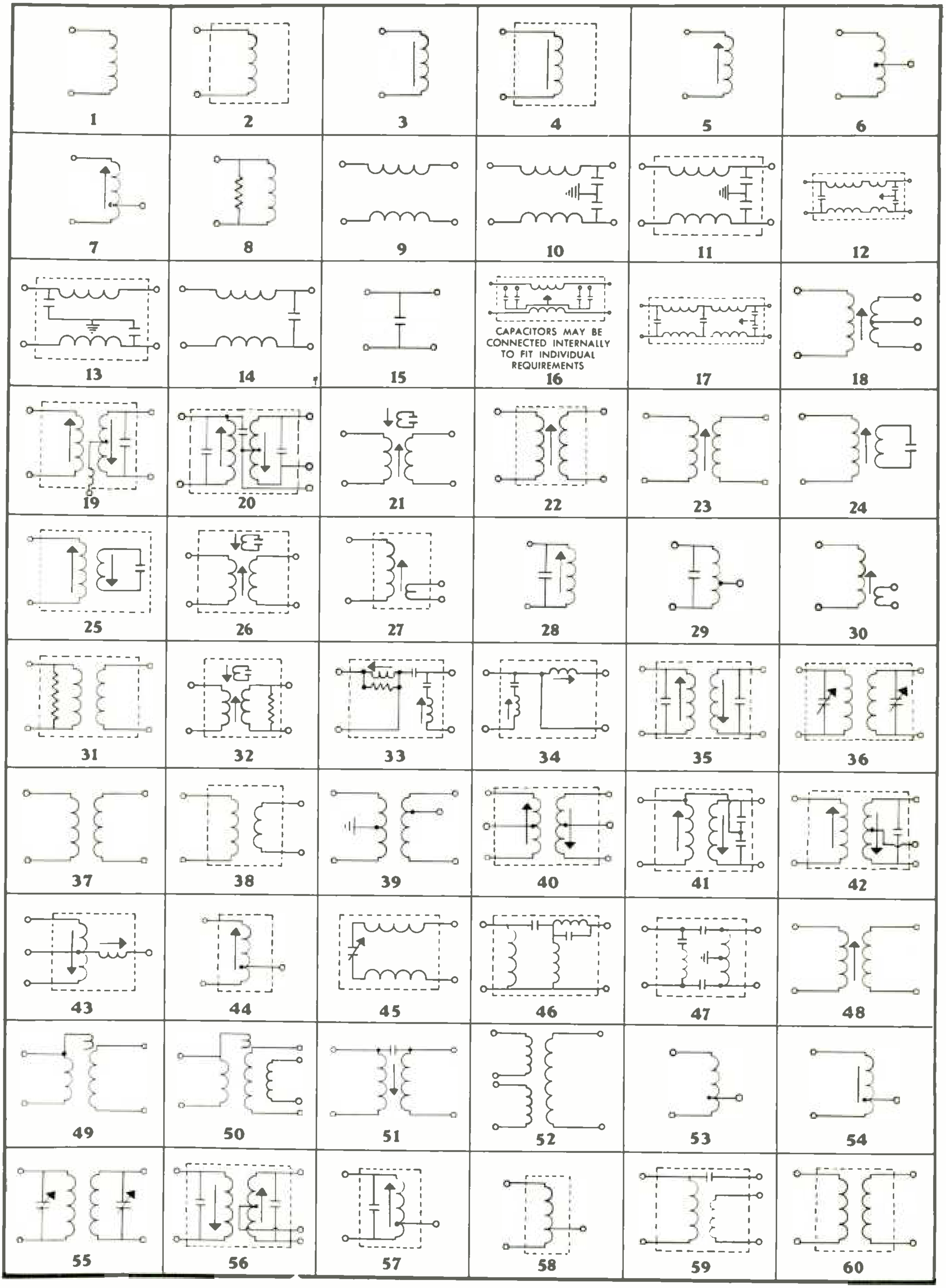
Miller Coils are listed in Howard Sams Photofacts and Radio's Master Catalogue.

J. W. MILLER COMPANY

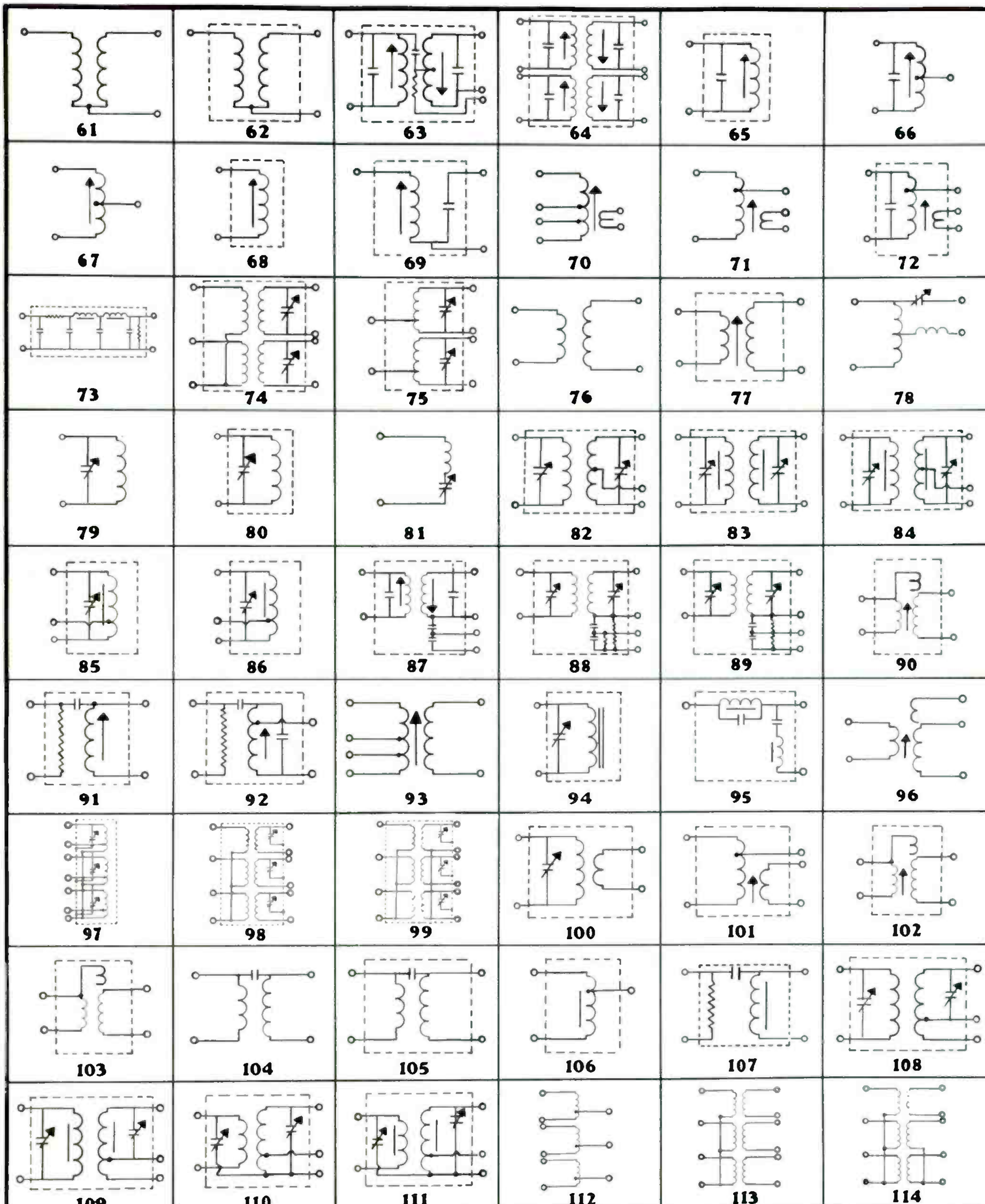
Manufacturers of

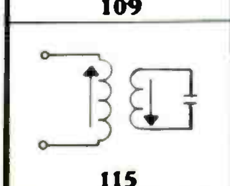
The most complete line of Industrial Electronic, Radio, and Television R.F. Coils

MILLER IF-RF SCHEMATICS



MILLER IF-RF SCHEMATICS





Due to lack of space we have not shown high frequency coupling turns on our 2 and 3 band antenna and R.F. coil schematics, although all coils incorporating high impedance primaries are so equipped.

No. 59

R. F. CHOKES

LINE FILTERS

AM COIL KITS

I. F. TRANSFORMERS

LINE FILTER CHOKES

INDUSTRIAL COILS

SPECIAL I. F. WINDINGS

MILLER QUALITY PRODUCTS

The Radio Parts Distributor who supplies Miller Quality Products is your personal contact with the Miller organization. He is able to give personal attention to your individual problems and is always ready to assist you in making the proper selection of Miller Products. His honesty and business integrity assure you of fair and courteous treatment. Always feel free to take any problems concerning Miller Products direct to your Distributor. As our representative, your Radio Parts Distributor maintains the policies of the Miller Company. You will always receive prompt and efficient service by dealing with your Distributor.

J. W. MILLER COMPANY

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