

CATALOG NO. 38



TRADE MARK REGISTERED

Scanned and Prepared
by Dale H. Cook

RADIO COILS AND ALLIED PRODUCTS
SINCE 1924



MANUFACTURED BY

J. W. MILLER CO.

5917 SOUTH MAIN STREET
LOS ANGELES, CALIF.

PRICE 25c

PRINTED IN U. S. A.

**MILLER SERVICE is as important to you as
MILLER QUALITY**

To insure rapid handling of your orders, we ask that you observe the following suggestions:

PLEASE order stock items by CATALOG NUMBER.

SPECIFY SHIPPING instructions if special handling is desired. Otherwise, orders will be shipped the most economical way.

STOCK ITEMS will be shipped anywhere C.O.D. Special units require a deposit of 20%.

PRICES QUOTED are list prices. Jobber or dealer discount schedules will be mailed upon request, providing proper credentials are given in letter written on your business letterhead.

WE RECOMMEND that dealers purchase through their local jobbers in order to save time. Most large distributors now carry a complete stock of Miller Products. However, in the event you have no local supply, write directly to us, giving the name and address of your jobber.

JOBBERS desiring to handle our line will be assisted in every way possible to realize the maximum benefit of our national advertising and literature.

ALL DEALER inquiries are referred to the nearest local supply.

GUARANTEE—Every Miller Product is fully guaranteed against any defect in material or workmanship. This guarantee is made possible by the fact that each and every item is thoroughly tested and inspected before shipment. You can depend upon MILLER QUALITY.

THIS CATALOG CAN BE YOUR MOST VALUABLE SALESMAN—The time spent in familiarizing yourself with the contents of this catalog will be amply repaid by enabling you to intelligently explain special products to your customers. Every effort has been made to make this catalog as complete in detail and specifications as possible. We will endeavor to make, on order, special items both economically and rapidly.

PRICE CHANGES—Prices listed in this catalog supersede all previous prices. Due to the rapid increase in cost of labor and materials all prices are subject to change without notice. We reserve the right to make improvements on our products without assuming any obligation to make similar improvements on products previously sold.

MILLER QUALITY PRODUCTS



ILLUSTRATED above are a few of the many attractive Miller Data Sheets. All Miller data sheets are of uniform letter size and are comprehensively written to give the user complete instructions in simple language which the layman will find no difficulty in interpreting. To the jobber and dealer our literature sheets are an invaluable "silent salesman." The quality of Miller Products is reflected in the quality of our data sheets and no dealer or jobber need hesitate to display the Miller literature in the most prominent place in his store. We suggest that you maintain a complete file of Miller literature at all times. When your supply is low just drop us a card and we will gladly send additional copies at NO COST, except postage.

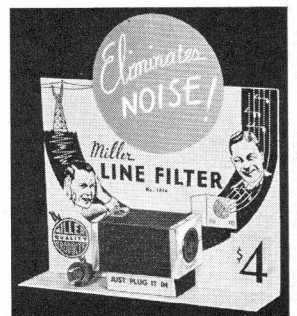
We have listed in this catalog a number of our standard products and coil assemblies. Our aim is to familiarize the manufacturer, radio engineer, amateur, and custom set builder with our methods of construction, so that he may readily adapt standard units to his particular requirements, thus eliminating the necessity of making tools and dies in preparing his design for special receivers.

Included in the catalog are radio frequency coils, intermediate frequency transformers, radio frequency chokes and, in fact, everything in the line of radio frequency inductors and allied products.

Of particular interest to the custom set builder is the list of receiver coil kits, which are supplied with clear, concise blue prints and which are easy to assemble, insuring proper results in the completed receiver. Other items include chassis for special receivers, tie points, small hardware, oscillator padding condensers, variable condensers, coil switches, etc.

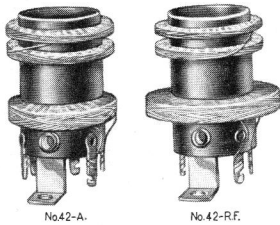
Both our laboratory and production departments are completely equipped with modern apparatus, assuring advanced design and uniform high quality construction of our products. We are ready at all times to offer our engineering service and advice to assist you with your particular problem.

The display card for the Miller Line Filter has proven to be the center of attraction in every store and has increased sales tremendously on this most efficient line filter. These display cards are available free to our jobbers and dealers upon request.



BROADCAST BAND RADIO FREQUENCY COILS

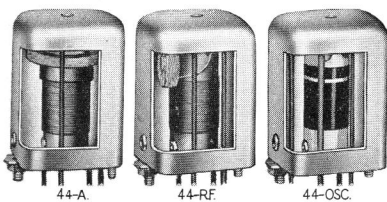
From the wide variety of stock Miller RF and oscillator coils, you may easily select the types best suited to your requirements. Each type has been designed to give maximum efficiency for the purpose for which it was intended. All coils are thoroughly tested and are held to such narrow inductance tolerance that it is not necessary to purchase coils in "matched" sets—all Miller coils are matched!



High-Gain Midget Coils

We believe the Miller type 42 coils to be the finest available for TRF receivers where it is desired to use unshielded coils. They are particularly designed for the popular 4-tube midget TRF receivers and will give performance comparable to many four and five tube superheterodynes. They provide uniform high gain and sensitivity throughout the entire broadcast band. The antenna coil is adjusted to give maximum results when using the short indoor aeriels generally used with this type of receiver. These coils use high impedance type coupling and are duo-lateral wound on $\frac{7}{8}$ " dia. x $1\frac{1}{2}$ " long bakelite tubing. The secondaries are wound very narrow to reduce distributed capacity and to decrease RF resistance. To further reduce RF resistance, No. 15/41 silk covered Litz wire is used in the secondaries. The primaries are designed to work efficiently with the pentode type of RF tubes. The coils are for use with the standard .000365 mfd. variable condenser to cover the band from 540 to 1600 KC.

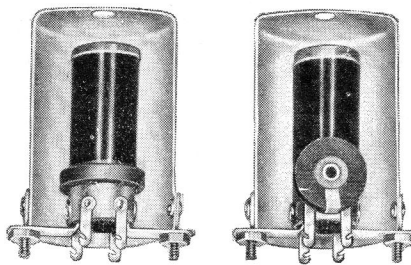
	List Price
No. 42-A Antenna Coil	\$.70
No. 42-RF RF Coil .....	.70



Four Bank Litz Coils

The Series 44 four-bank Litz wound broadcast band coils are especially recommended for use in auto receivers where a coil of maximum gain and small physical size is required. They may also be used in any broadcast band receiver. The RF coils are of the high impedance primary constant gain type. These coils are designed to be used with the standard .000365 mfd. variable condenser. The coils are supplied with aluminum shields $1\frac{1}{2}$ " square x $2\frac{1}{2}$ " long. Spade bolts are riveted to the shield for mounting to the chassis. Frequency range 540 to 1700 KC.

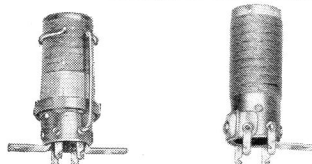
	List Price
No. 44-A Antenna Coil	\$.85
No. 44-RF RF Coil .....	.85
No. 44-BP Band-Pass Coil .....	.75
No. 44-C Oscillator Coil .....	.75
(465 KC I.F.—.0004 Pad.)	
No. 44-H Oscillator Coil .....	.75
(262 KC I.F.—.0006 Pad.)	



Solenoid Coils

Solenoid Coils possessing all the advantages of the high impedance coupled type plus the benefit of small size. This series is particularly recommended for use in superheterodyne receivers, such as automobile sets or small AC receivers in which the 312 or 512 type intermediate frequency transformers are used. Wound with enameled wire on bakelite form and supplied with shields $1\frac{1}{8}$ " x 3". For use with .000365 mfd. variable condenser to cover the band from 540 to 1600 KC.

	List Price
No. 5261-A Antenna Coil	\$.90
No. 5261-BP Band Pass .....	.75
No. 5261-RF RF Coil .....	.90
No. 480 Osc. Coil .....	.75
(Available for all frequencies)	



Bank-Wound Litz Coils

For the designer or custom set builder who desires to employ the finest coils available, the bank-wound series coils are admirably suited.

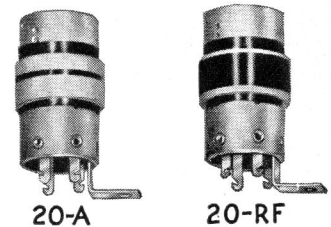
Particular care has been taken in the design of these coils to produce the most efficient winding for use at broadcast frequencies. The coils are wound with Litzendraht wire in a two-layer bank, using a bakelite form as the winding base. Every precaution is taken to produce an excellent coil of consistently uniform quality, and with this end in view constant inspection during manufacturing and a final test upon completion assures the customer of a coil of unsurpassed quality. The RF coils provide uniform amplification over the broadcast band by the use of a combination of inductive and capacitive coupling in the primary circuit. Supplied with shields $1\frac{1}{8}$ " x 3". For use with a .000365 mfd. variable condenser to cover the band from 540 to 1600 KC.

	List Price
No. 242-A Antenna Coil	\$.90
No. 242-BP Band-Pass Coil .....	.75
No. 242-RF RF Coil .....	.90
No. 277 Oscillator Coil (Avail- able for all frequencies) ..	.75

Unshielded Bank Wound Coils

We also stock coils identical with those listed above except designed for use unshielded and being particularly desirable for use in 4-tube TRF receivers.

	List Price
No. 241-A Antenna Coil	\$.70
No. 241-BP Band-Pass Coil .....	.50
No. 241-RF RF Coil .....	.70
No. 277 Unshielded Osc. Coil (Avail. all frequencies) ..	.50



Midget Type Solenoid Coils on Cardboard Forms

Pictured above are our No. 20 Antenna and RF coils, which are universally accepted as the standard of comparison in 4-tube TRF receivers. Wound with enameled wire on an especially impregnated Kraft tubing form, they offer a very inexpensive and efficient coil for use in receivers of this type where cost must be held to an absolute minimum. Both the antenna coupler and RF coil are of the transformer type, the primaries being wound on slip-over forms allowing easy adjustment of the coupling. The RF primaries have sufficient inductance to work efficiently with modern tubes. For use unshielded with .000365 mfd. variable condenser to cover the band from 550 to 1750 KC.

	List Price
No. 20-A Antenna Coil	\$.25
No. 20-RF RF Coil .....	.25

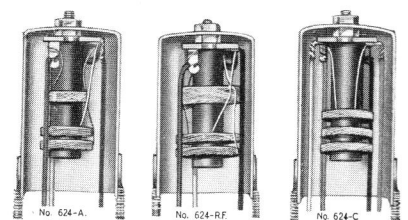
Tapped for 2400 KC Police

No. 20-T-A Antenna Coil .....	.30
No. 20-T-RF RF Coils .....	.30

Peter Pan Type Coils

We can also supply coils in which the primary coupling is very tight, providing maximum gain at all frequencies. This is the same identical coil as used in the thousands of Peter Pan receivers marketed during the past few years.

	List Price
No. PP-A Peter Pan Antenna Coil ..	\$.30
No. PP-RF Peter Pan RF Coil .....	.30

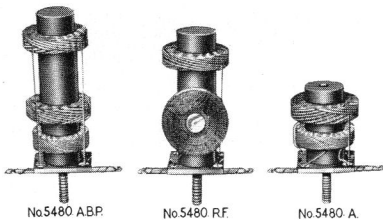


No. 624 Iron Core RF Coils 540 to 1700 KC

The No. 624 Series iron core coils are especially desirable for use in auto and other receivers where a high Q coil of small physical size is required. The secondaries are wound on Miller iron cores and No. 15/41 Litz wire is used. All coils are assembled in aluminum shields $1\frac{1}{4}$ " x 2" long. Provided with spade bolts for mounting, $1\frac{1}{8}$ " centers. For use with .000365 .uf variable condenser.

	List Price
No. 624-A Antenna Coil	\$1.50
No. 624-RF RF Coil	1.50
No. 624-C Oscillator Coil	1.50
(Requires .0004 series pad)	
No. 624-H Oscillator Coil	1.50
(Requires .0006 series pad.)	
No. 624-K Oscillator Coil	1.50
(Requires .001 series pad.)	

BROADCAST BAND RADIO FREQUENCY COILS



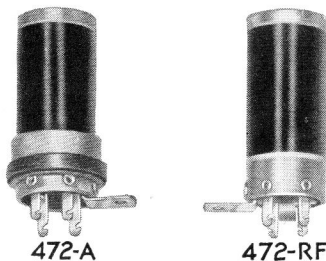
Duo-Lateral Wound Coils

When the space for mounting coils is restricted yet efficiency must not be sacrificed, the No. 5480 type coil is recommended. Secondaries are duo-lateral wound with multi-strand Litzendraht wire upon a 1/2" diameter dowel, offering the most efficient type of winding of any coil of equal size. Supplied in all types including an antenna-band-pass consisting of an antenna primary and secondary and an additional secondary inductively coupled, providing a complete pre-selector stage in one unit. Photographs are approximately one-third the actual size.

The 5480 series oscillator coils are recommended for use with these coils. For use with a .000365 mfd. variable condenser to cover the band from 540 to 1600 KC.

List Price

No. 5480-A	Antenna Coil	.....	\$ .70
No. 5480-ABP	Ant.-Band-Pass Coil	.....	1.00
No. 5480-RF	RF Coil	.....	.80



Threaded Solenoid Coils

High impedance coupled type antenna and RF coils wound with solid enameled wire on threaded bakelite tubing. This type construction offers coils possessing most uniform characteristics, the gain remaining essentially constant throughout the entire range. The antenna primary is duo-lateral wound and its inductance is sufficiently high to give it a natural resonant period below the broadcast band. Coupling turns are provided to prevent loss of energy at the high frequencies and to properly phase the antenna with the grid circuit. The RF coil primaries are also duo-lateral wound but are placed inside the secondary and are designed to match the impedance of the modern screen grid tubes. Adaptable for any TRF or superheterodyne receiver. Supplied with shield 2 1/8" x 3 1/2" long. For use with .000365 mfd. variable condenser to cover the band from 540 to 1600 KC.

List Price

No. 472-A	Antenna Coil	.....	\$ .85
No. 472-RF	RF Coil	.....	.85
No. 472-BP	Ant.-Band-Pass Coil	.....	.80

Untuned RF Coil

To be used in wide range TRF receivers and diode detector circuits. This unit has essentially uniform gain throughout the broadcast band. Complete with aluminum shield 1 5/8" x 2" long.

List Price

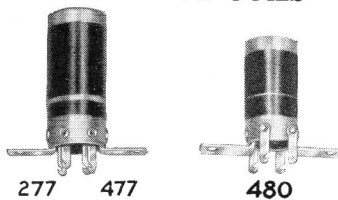
No. 472-UT	Untuned RF Coil	\$1.50
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Diode Detector Coil

Same construction as Type 472-RF except there is an additional winding closely coupled and placed inside the RF secondary with separate terminals at the top of the form designed for feeding any diode detector.

No. 472-D	Detector Coil	List Price \$1.00
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OSCILLATOR COILS



Solenoid Oscillator Coils

These oscillator coils are designed for use with pentagrid converter tubes or the 6L7 mixer. The 277 series is particularly designed for use with the No. 242 antenna and RF coils, while the 477 type are recommended for use with the 472 type coils. However, these units will track with any of our standard coils when the proper oscillator padding condenser is incorporated in the circuit. The 480 series shown above is recommended for use with the 5261 type coil or in any receiver in which space is at a minimum. All the above coils are available for use with any of the popular intermediate frequency amplifiers and may be obtained for use either shielded or unshielded. However, it is important that you specify whether the shielded or unshielded coil is desired upon ordering. If no specifications are given, the shielded type coil will be shipped. The shielded coils are supplied with the proper shields as listed below:

480 Type	.....	1 5/8" x 3"	Shield
277 Type	.....	1 7/8" x 3"	Shield
477 Type	.....	2 1/8" x 3 1/2"	Shield

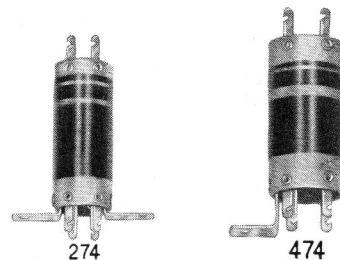
For use with standard .000365 mfd. variable condenser to cover the band from 540 to 1600 KC. Available for use with the following intermediate frequency amplifiers.

List Price Shielded Unshielded

480 Series			
No. 480-M	for 132 1/2 KC	.....	\$ .75 \$.50
Requires .0016 mfd. Series Pad.			
No. 480-K	for 175 KC	.....	.75 .50
Requires .001 mfd. Series Pad.			
No. 480-H	for 262 1/2 KC	.....	.75 .50
Requires .0006 mfd. Series Pad.			
No. 480-C	for 465 KC	.....	.75 .50
Requires .0004 mfd. Series Pad.			

277 Series			
No. 277-M	for 132 1/2 KC	.....	\$ .75 \$.50
Requires .0016 mfd. Series Pad.			
No. 277-K	for 175 KC	.....	.75 .50
Requires .001 mfd. Series Pad.			
No. 277-H	for 262 1/2 KC	.....	.75 .50
Requires .0006 mfd. Series Pad.			
No. 277-C	for 465 KC	.....	.75 .50
Requires .0004 mfd. Series Pad.			

477 Series			
No. 477-M	for 132 1/2 KC	.....	\$ .85 \$.50
Requires .0016 mfd. Series Pad.			
No. 477-K	for 175 KC	.....	.85 .50
Requires .001 mfd. Series Pad.			
No. 477-H	for 262 1/2 KC	.....	.85 .50
Requires .0006 mfd. Series Pad.			
No. 477-C	for 465 KC	.....	.85 .50
Requires .0004 mfd. Series Pad.			



Solenoid Oscillator Coils (Cathode Coupled Type)

The following oscillator coils have been designed for use in circuits where a separate tube is employed for each function of detector and oscillator. Coupling is accomplished by returning the detector cathode through the pickup winding provided on the oscillator coil form. This series is available for use either shielded or unshielded. However, it is important that you specify which type is desired when ordering. In case no specifications are given, the shielded type will be shipped. All shielded type coils are supplied with the proper shields as listed below.

The 474 type coils have been designed to work in conjunction with the 472 series of RF and antenna coils, while the 274 type are particularly adapted for use with the 242 type coils. However, these units will track with any of our stock antenna or RF coils when the proper series padding condenser is placed in the circuit. For use with a .000365 mfd. variable condenser to cover the band from 540 to 1600 KC. Available for use with the following intermediate frequency amplifiers:

List Price Shielded Unshielded

474 Series			
No. 474-K	for 175 KC	.....	\$ .95 \$.60
Requires .001 mfd. Series Pad.			
No. 474-H	for 262 1/2 KC	.....	.95 .60
Requires .0006 mfd. Series Pad.			
No. 474-C	for 465 KC	.....	.95 .60
Requires .0004 mfd. Series Pad.			
274 Series			
No. 274-K	for 175 KC	.....	.85 .60
Requires .001 mfd. Series Pad.			
No. 274-H	for 262 1/2 KC	.....	.85 .60
Requires .0006 mfd. Series Pad.			
No. 274-C	for 465 KC	.....	.85 .60
Requires .0004 mfd. Series Pad.			
474 Type Coil with Shield 2 1/8" x 3 1/2".			
274 Type Coil with Shield 1 7/8" x 3".			



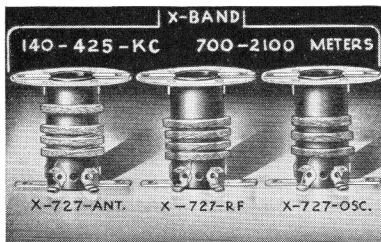
No. 5480 Duo-Lateral Oscillator Coils

The following oscillator coils are designed for use with the 2A7, 6A7, 6A8, 6L7-6C5 type oscillator circuits and are available for use with any of the popular intermediate frequency amplifiers. They may be employed with any of our RF or antenna coils. The photograph is approximately one-third actual size. For use unshielded with .000365 mfd. variable condenser to cover the band from 540 to 1600 KC. Available for the following intermediate frequencies:

List Price			
No. 5480-K	for 175 KC	.....	\$ .60
Requires .001 mfd. Series Pad.			
No. 5480-H	for 262 1/2 KC	.....	.60
Requires .0006 mfd. Series Pad.			
No. 5480-C	for 465 KC	.....	.60
Requires .0004 mfd. Series Pad.			

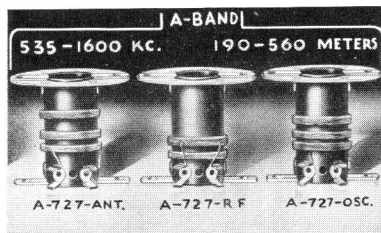
ALL-WAVE COILS

ALL WAVE COILS



Miller "Select-Ur-Band" Coils

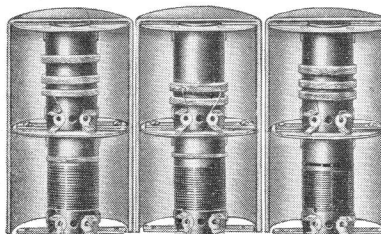
A new series and type of coil designed to meet the exacting demands of the experimenter and custom set builder for a high quality receiver covering one or more bands and using one or more RF stages or only a mixer stage. The Miller No. 727 "Select-Ur-Band" Coils are truly flexible in their application and may be assembled to suit your individual requirements. For a superheterodyne they are for use with a 465 KC intermediate frequency amplifier. Each coil of each band is a separate unit and all are so designed that any pair may be assembled in a single shield. All coils are wound on $\frac{7}{8}$ " dia. x $\frac{1}{4}$ " long bakelite tubing and are of correct form factor and of proper wire size to give maximum efficiency. The primaries are of the high impedance type designed for use with pentode type RF tubes. With



the Miller "Select-Ur-Band" Coils it is possible to lay out an all-wave receiver and build it with only one or two bands to start—then add the other bands as desired. The use of the new Miller "Select-Ur-Band" Coils enables the experimenter or constructor to modernize old receivers by utilizing the 465 KC intermediate frequency amplifier and audio of the old receiver and installing an all-wave or skip-band tuner.

When using a .000365 Tuning Condenser the range of the individual bands is as follows:

Band	Cat.No.	MC	Meters	Osc. Series Pad.
X	X-727	.14 - .425	2100-700	.00012 uf.
A	A-727	.535- 1.5	560-200	.0004 uf.
B	B-727	1.5 - 4.5	200-67	.001 uf.
C	C-727	3.75 -11.0	80-27	.003 uf.
D	D-727	8.5 -23.0	35-13	.01 uf.
E	E-727	12.5 -36.0	24-8	None
S	S-727	5.8 -19.0	51-16	.003 uf.



Any two coils may be assembled—easily, using only a screw driver—to provide the bands required in a single coil shield, and of course, groups of two bands each may be used. Coils are not furnished assembled in shields, as they may be purchased separately and easily assembled to meet your particular requirements.

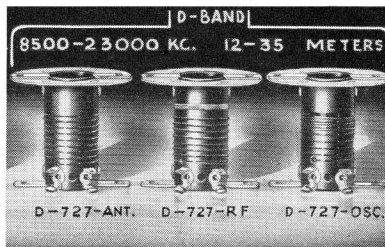
For example, if it is desired to build a receiver using one RF stage and covering Bands X, A, and B, the coils required are:

For Band X
 1 Each "Select-Ur-Band" Coil—X-727 Antenna, RF, and Oscillator.
 1 .00012 uf. Mica Padding Condenser.

For Band A
 1 Each "Select-Ur-Band" Coil—A-727 Antenna, RF, and Oscillator.
 1 .0004 uf. Mica Padding Condenser.

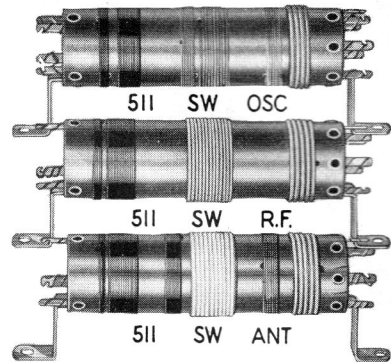
For Band B
 1 Each "Select-Ur-Band" Coil—B-727 Antenna, RF, and Oscillator.
 1 .001 uf. Mica Padding Condenser.

Coil Shields Required
 3 Each L-727 $2\frac{1}{8}$ " Dia. x 4" Long Aluminum Coil Shields.
 3 Each S-727 $2\frac{1}{8}$ " Dia. x $2\frac{1}{2}$ " Long Aluminum Coil Shields.



Cat. No.	Purpose	List Price
Band X		
X-727-A	Antenna Coil	\$1.25
X-727-RF	RF Coil	1.25
X-727-C	Oscillator Coil, 465 KC I.F.	1.25
X-727-M	Oscillator Coil, 132 KC I.F.	1.25
Band A		
A-727-A	Antenna Coil	\$1.00
A-727-RF	RF Coil	1.00
A-727-C	Oscillator Coil, 465 KC I.F.	1.00
Band B		
B-727-A	Antenna Coil	\$1.00
B-727-RF	RF Coil	1.00
B-727-C	Oscillator Coil, 465 KC I.F.	1.00
Band C		
C-727-A	Antenna Coil	\$1.00
C-727-RF	RF Coil	1.00
C-727-C	Oscillator Coil, 465 KC I.F.	1.00
Band D		
D-727-A	Antenna Coil	\$1.00
D-727-RF	RF Coil	1.00
D-727-C	Oscillator Coil, 465 KC I.F.	1.00
Band E		
E-727-A	Antenna Coil	\$1.00
E-727-RF	RF Coil	1.00
E-727-C	Oscillator Coil, 465 KC I.F.	1.00
Band S		
S-727-A	Antenna Coil	\$1.00
S-727-RF	RF Coil	1.00
S-727-C	Oscillator Coil, 465 KC I.F.	1.00

Coil Shields and Switch	
L-727 $2\frac{1}{8}$ " Dia. x 4" Long	
Coil Shield	\$.40
S-727 $2\frac{1}{8}$ " Dia. x $2\frac{1}{2}$ " Long	
Coil Shield	.25
No. 605 6 Pole, 5 Position Band	
Switch	2.40
No. 806 8 Pole, 6 Position Band	
Switch	3.20

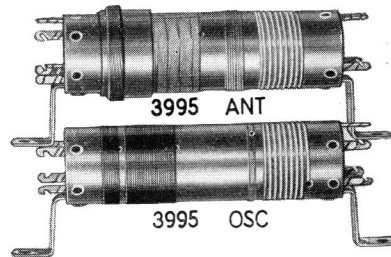


Three Band Short Wave Coils

These coils are identical with those used in our No. 302 coil kit. The oscillator coil is designed for use with a 465 KC I.F. amplifier. Three separate coils are wound on a single high-grade bakelite form and the spacing between coils is great enough to prevent dead spots and excessive absorption effects. While not designed to be shielded, they may be used with partitions between coils providing that clearance of at least one inch from the partition or chassis to the coil is maintained. When used with a .000365 mfd. variable condenser the three bands are: 12 to 35 meters—35 to 75 meters—75 to 200 meters.

The oscillator circuit requires the use of the following values of series padding condensers: For the 12 to 35 meter band, .01 uf. For the 35 to 75 meter band, .003 uf. For the 75 to 200 meter band, .0016 uf.

	List Price
No. 511 S.W. Ant. Antenna Coil	\$1.75
No. 511 S.W. RF RF Coil	1.75
No. 511 S.W. Osc. Oscillator Coil	1.75



Skip-Band Coils (200-550 and 16-55 Meters)

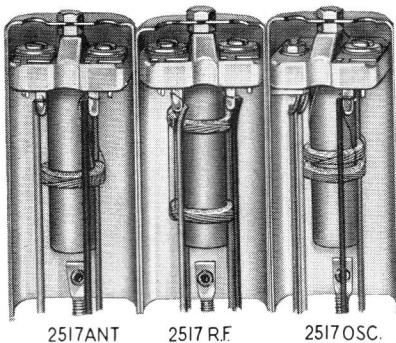
The ideal two-band coils for the constructor who wishes to build an inexpensive, high performance receiver covering both the standard broadcast band and all of the popular short-wave broadcasts.

The coils are wound on XX grade (radio frequency) bakelite tubing 1" in diameter. On the antenna coil both primaries are of the high impedance coupled type to provide uniform gain over the entire range of frequencies covered. The broadcast band secondary is a two-bank litz wire winding having exceptionally low RF resistance. The short-wave secondary is space-wound in threads cut into the bakelite tubing, thus insuring uniform characteristics.

The 3995 series coils are for use with a 465 KC I.F. amplifier and a standard .000365 mfd. variable condenser. The oscillator coil requires a .0004 mfd. series pad for the broadcast band and an .01 mfd. series pad for the short-wave band. These coils are designed for use unshielded.

	List Price
No. 3995-A 2-Band Antenna Coil	\$1.75
No. 3995-C 2-Band Oscillator Coil	1.25

SPECIAL PURPOSE COILS



2517ANT 2517RF 2517OSC.

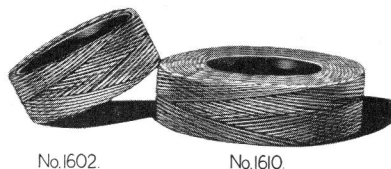
Fixed Frequency Coils

These radio frequency transformers are constructed in a similar manner to our No. 512 series intermediate frequency transformers and are primarily for use in police radio receivers. They may also be used in monitors for 160 meter amateur stations. The oscillator coils are designed for use with 465 KC intermediate frequency amplifier. The antenna coil consists of a single parallel resonant circuit with the antenna coupled to the grid through a variable capacity which may be adjusted for best results with each individual type of antenna. The RF coils are of the tuned plate tuned grid type which provides maximum energy transfer and selectivity. The Oscillator coil is for use with either the pentagrid converter or the 6L7-6C5 type mixer circuits. The operating range of the high quality Miller mica dielectric compression type trimmer is so chosen as to give capacity stability through a wide temperature range under extreme vibration conditions. Available for use in either of the two standard police frequency bands.

The trimmer condensers are given an automatic cycling heat treatment to reduce possibility of capacity drift under variations of temperature encountered in present day receivers. After assembly and test the trimmers are placed in a circulating air type electric oven where they are alternately heated to 200° F. and cooled to 90° F. through five complete cycles. After this treatment, which reduces mechanical stresses, tests show that capacity variation with temperature changes are reduced to 1/10 of the variation encountered with trimmers which have not been given this treatment.

No. 2517—For use from 1600 to 2000 KC.
No. 2524—For use from 2300 to 2700 KC.

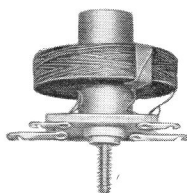
	List Price
No. 2517-A Antenna Coil	\$1.50
No. 2517-RF RF Coil	1.50
No. 2517-C Oscillator Coil	1.50
No. 2524-A Antenna Coil	1.50
No. 2524-RF RF Coil	1.50
No. 2524-C Oscillator Coil	1.50



UNMOUNTED HONEYCOMB COILS

Recommended for use in low frequency receivers, low power carrier telephone systems, audio filter networks, and general experimental work. Miller honeycomb coils are wound on a bakelite form 1" wide and 2" in diameter. The windings are 1" wide and the outside diameters of the coils vary from 2 1/8" for the No. 1601 to 3 1/2" for the No. 1612. All coils are wound with a large space factor between turns to obtain an extremely low distributed capacity.

Cat. No.	Turns	Wire	D.C. Res.	Inductance	List Price
1601	100—24 dsc.		1.65 ohms	.62 MH	\$1.30
1602	150—24 dsc.		2.50 ohms	1.46 MH	1.40
1603	200—26 dsc.		5.60 ohms	2.63 MH	1.60
1604	250—26 dsc.		6.85 ohms	3.80 MH	1.70
1605	300—26 dsc.		8.25 ohms	5.50 MH	1.90
1606	400—26 dsc.		11.0 ohms	9.80 MH	2.30
1607	500—26 dsc.		14.2 ohms	15.0 MH	2.60
1608	600—28 dsc.		27.0 ohms	23.0 MH	2.90
1609	750—28 dsc.		35.0 ohms	37.0 MH	3.20
1610	1000—28 dsc.		49.0 ohms	68.0 MH	3.80
1611	1250—28 dsc.		60.0 ohms	100.0 MH	4.40
1612	1500—28 dsc.		76.0 ohms	150.0 MH	5.00

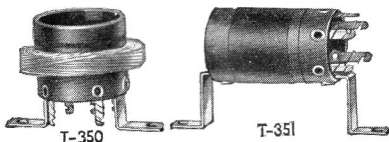


Bi-filar IF

No. 61—A bi-filar type for use when extremely tight coupling is desired. Bi-filar construction consists of primary and secondary wires placed parallel and wound as one wire.

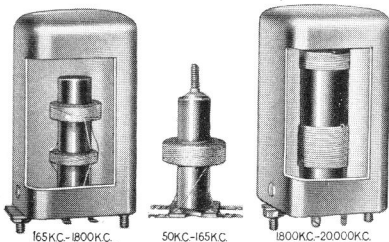
List Price
For 175 KC Only.....\$.85

Test Oscillator Coils



The Model 350 Coils are designed for use with a .000365 mfd. 2-gang variable condenser with both sections connected in parallel in a high C oscillator circuit of the cathode coupled type. Frequencies not covered by these coils may be obtained by using harmonics. Each coil is provided with a small pickup winding for coupling the high voltage RF output to the alternator.

	List Price
No. T-350 (125 to 425 KC).....	\$1.50
No. T-351 (425 to 1500 KC).....	.75



The Model 550 Coils are for use in electron coupled oscillator circuit of the high C type using the same condenser arrangement as is used in the Model 350 coils. Fundamental frequency range is from 50 KC to 20,000 KC in five bands.

No. T-550 (50-20,000 KC) Per Set..... 3.75

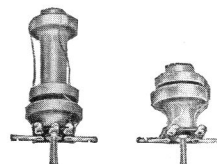
Negative Mutual Coupling Coils (Inductance 2 uh.)

These coils were designed for use in band-pass circuits of wide range receivers. They may also be used for high fidelity monitors and air-check receivers as well as for the general high fidelity broadcast receiver.

Circuit diagram No. EL-560 shown elsewhere in this catalog gives a typical application of these negative mutual coupling coils. With the grid circuit resistors specified the band width is approximately 20 KC when shunted with the .05 mfd. condenser. When shunted with an additional .01 mfd. condenser the band width is approximately 15 KC. These figures are based on the use of the RF components specified in the circuit diagram.

The coils are bifilar wound on a 7/8" diameter x 1 1/4" long bakelite form, which is provided with two "L" brackets for mounting. The coils are sold less shields but where it is necessary our No. S-727 coil shields may be used.

	List Price
No. EL-56 Negative Mutual Coupling Coil.....	\$.55

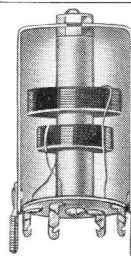


Long Wave Coils (150 to 430 KC)

Duo-lateral wound coils designed to cover the long wave band from 700 to 2000 meters in which is included many popular high power European broadcast transmitters as well as the Department of Commerce aviation weather broadcasts. These coils are very compact in construction and are designed for use unshielded. For use with a standard .000365 variable condenser. 465 KC. I.F.

	List Price
No. 7468-ABP Ant-Band-Pass Coil.....	\$1.50
No. 7468-C Oscillator Coil	1.00

(Requires .00012 mfd. series pad.)

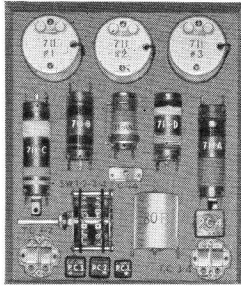


High Frequency Interrupter Coil

The ideal coil for super-regenerative 5 and 10 meter receivers. Carefully designed and tested to give the correct interrupter frequency. Assembled in aluminum shield 1 1/4" dia. x 2" long.

	List Price
No. 313 Interrupter Coil.....	\$1.00

COIL KITS



No. 711 All-Wave Superheterodyne Coil Kit 12 to 550 Meters

Many new features are to be found in this design, including the use of high impedance coupled antenna coils on the short-wave and broadcast bands. True tracking on all bands is accomplished by individual padding condensers for each oscillator circuit. Anyone can build it, anyone can operate it.

If you have deferred the purchase of an All-Wave Kit because you have felt that construction of such a receiver would be too difficult or you have perhaps been prejudiced by the performance claims of cheap, inferior kits, using only three or four tubes in what is essentially a makeshift circuit, you need wait no longer. Just follow the simple, easy instructions included in the Miller No. 711 Kit and you will be amazed at the

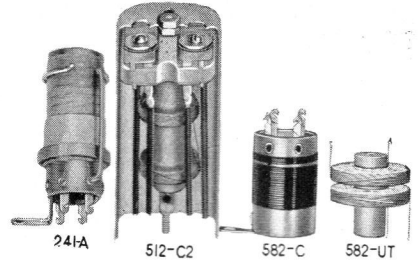
remarkable performance of this all-wave receiver, which has been carefully designed and thoroughly tested to give the ultimate in short-wave reception.

The receiver you build, whether for yourself or for a customer, must be good, and such a receiver is easily constructed with the new, improved Miller Model 711 All-Wave Superheterodyne Coil Kit.

Additional information will gladly be supplied upon request. The following items are supplied in the Miller No. 711 Coil Kit:

	List Price
1 B.C. Antenna Coil No. 711-Ant.....	\$.80
1 B.C. Translator Coil No. 711-A.....	1.75
1 75-200 Meter S.W. Coil No. 711-B.....	1.25
1 35-75 Meter S.W. Coil No. 711-C.....	1.50
1 12-35 Meter S.W. Coil No. 711-D.....	1.25
1 Input I.F. No. 711-1.....	1.60
1 Interstage I.F. No. 711-2.....	1.60
1 Output Stage I.F. No. 711-3.....	1.60
2 Dual Trimmers No. 35 (@ 50).....	1.00
4 Accurate Osc. Pad. Condensers.....	1.35
1 Rectifier Plate Choke No. 80-F.....	1.00
1 Osc. Coup. Condenser No. C-14.....	.20
1 Band Selector Switch No. 404.....	1.60
1 Blue Print.....	.25
Complete Instructions and Data.	

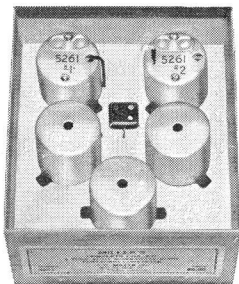
	List Price
Miller No. 711 All-Wave Coil Kit.....	\$16.00
Miller No. 711-B for 2 Volt Battery.....	16.00
Miller No. 711-M for Metal Tubes.....	16.00



No. 582 Five Tube Economy Superheterodyne Coil Kit 540 to 1700 KC

This coil kit may be utilized to construct a very economical and efficient five tube superheterodyne using the autodyne type oscillator circuit. The standard double tuned shielded I.F. transformer for the input stage and an untuned self-resonant I.F. transformer coil for the output stage provide maximum gain and selectivity. The intermediate frequency amplifier operates at 465 KC. The coils are for use with a .000365 mfd. 2 gang variable condenser to cover the frequency range from 540 to 1700 KC. The coil kit consists of the following parts:

	List Price
1 No. 241-A Antenna Coil.....	\$.70
1 No. 582-C Oscillator Coil.....	.25
1 No. 512-C-2 Input I.F.....	1.50
1 No. 582-UT Output I.F.....	.75
1 .0004 3% Mica Padding Condenser.....	.25
1 No. 582 Blue Print.....	.25
Miller No. 582 Economy Super Coil Kit, List Price.....	\$3.50

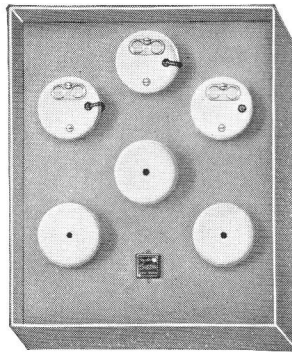


No. 5261 Auto Radio Superheterodyne Coil Kit 550 to 1600 KC

A 5-tube auto radio coil kit of advanced design to utilize all the features of the new type tubes, thus minimizing the battery current required to operate it. Pentagrid converter type oscillator and mixer tube plus the high gain of the new metal tubes in the RF and I.F. stages provides sufficient amplification to assure constant reception of signals even though you may be many miles away from the transmitting station. The new type detector and AVC circuit maintains a constant output under varying signal strength conditions. All coils are in aluminum shields 1 7/8" diameter x 3" long.

The No. 5261 Auto Radio Coil Kit includes the following parts:

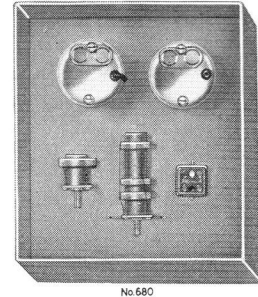
	List Price
1 No. 5261-A Antenna Coil.....	\$.90
1 No. 5261-RF RF Coil.....	.90
1 No. 5261-H Oscillator Coil.....	.75
1 No. 312-H-2 Input I.F.....	1.55
1 No. 312-H-4 Output I.F.....	1.55
1 .0006 3% Mica Padding Condenser.....	.25
1 Blue Print.....	.25
Miller No. 5261 Auto Radio Coil Kit.....	\$6.00



No. 724 7-Tube Superheterodyne Coil Kit 540 to 1600 KC

The signal frequency coils are of Litz bank-wound construction offering a most selective coil for use at broadcast frequencies. The two stage intermediate frequency amplifier is extremely selective and provides for a sensitivity of approximately one microvolt per meter in the completed receiver. All coils and I.F. transformers in this kit are supplied in shields 1 7/8" diameter x 3" long and are for 175 KC. Kit contains the following parts:

	List Price
1 No. 242-A Antenna Coil.....	\$.90
1 No. 242-RF RF Coil.....	.90
1 No. 242-K Oscillator Coil.....	.75
1 No. 412-K-1 Input I.F.....	1.60
1 No. 412-K-2 Interstage I.F.....	1.60
1 No. 412-K-4 Half Wave Output I.F.....	1.60
1 .001 3% Mica Padding Condenser.....	.25
Miller No. 724 7-Tube Superheterodyne Coil Kit.....	\$7.50

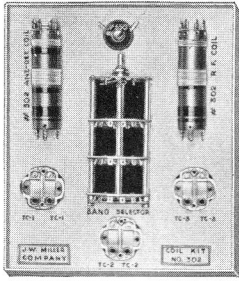


No. 680 6-Tube Super Coil Kit With Band-Pass 540 to 1600 KC

This coil kit is ideally suited for those who wish to build an economical, compact, midget superheterodyne having good selectivity and sensitivity. The type 5480 antenna-band-pass coil provides a high degree of image frequency rejection. The signal frequency and oscillator coils are for use unshielded and consequently effect a material saving in chassis space. Our No. 312-C intermediate frequency transformers give this receiver a very high degree of selectivity and sensitivity. The No. 680 coil kit consists of:

	List Price
1 No. 5480-ABP Ant.-Band Pass Coil.....	\$1.00
1 No. 5480-C Oscillator Coil.....	.60
1 No. 312-C-2 Input I.F.....	1.55
1 No. 312-C-4 Output I.F.....	1.55
1 .0004 3% Mica Padding Condenser.....	.25
1 No. 680 Blue Print.....	.25
Miller No. 680 6-Tube Super Coil Kit.....	\$5.00

COIL KITS



No. 302 Short Wave Pre-Selector Coil Kit

12 to 200 Meters

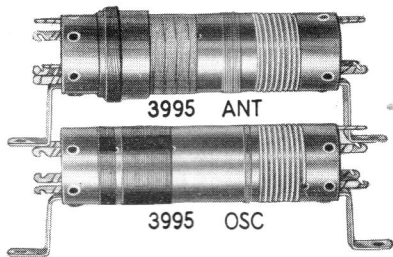
The Miller No. 302 Pre-Selector Coil Kit enables you to construct a highly efficient unit using two stages of tuned radio frequency amplification to be used ahead of any short-wave or all-wave receiver. The Miller Pre-Selector will give a tremendous increase in sensitivity, and it will actually bring in stations which you are now unable to receive. The two additional stages of signal frequency tuning will prevent all image frequency interference. By increasing the signal voltage to the mixer tube of superheterodyne type receivers, the pre-selector will materially reduce background noise when receiving weak stations. Regardless of the number of tubes or the type of receiver you are now

using, the Miller Pre-Selector will positively bring in more DX reception. Provision has been made for the incorporation of coils for the broadcast band. For this purpose our No. 5480 series coils are highly recommended. The coils have been designed for use with either a single wire or doublet type antenna.

The Miller Pre-Selector Coil Kit is especially recommended to the amateur and DX fan who realizes that additional signal frequency gain is the one sure way to bring in those weak and barely audible signals. A self-contained power supply and an extra position on the band switch for shunting the antenna around the pre-selector directly to the receiver are among the many conveniences offered by the new Miller Pre-Selector. Complete detailed data may be yours for the asking.

The Miller No. 302 Pre-Selector Coil Kit contains the following parts:

	List Price
1 No. 302 S.W. Antenna (12 to 200 Meters)	\$1.75
1 No. 302 S.W. RF Coil (12 to 200 Meters)	1.75
1 No. 302 Output Choke Coil.....	.50
1 No. 605 Band Selector Switch.....	2.40
3 No. 35 Dual Trimmer Condensers..	1.50
1 Blue Print and Complete Instruction Data .....	.25
No. 302 Pre-Selector Coil Kit.....	\$8.00

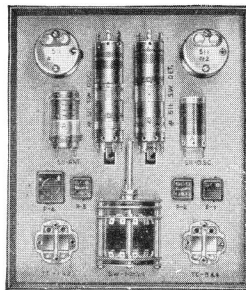


No. 3995 5-Tube Skip Band Super Coil Kit

200 to 550 Meters and 16 to 55 Meters

The coils in this kit have been designed to meet the demand for a simple inexpensive receiver which will cover both the standard broadcast and the foreign and domestic short-wave bands. Band switching is accomplished by means of a 4 pole, 2 position switch. The receiver is tuned with a 2-gang .000365 variable condenser. The broadcast band antenna coil is of bank-wound Litz construction and the short-wave secondary coils are wound in threads in the bakelite form. The use of 465 KC intermediate frequency provides a high image frequency ratio. The oscillator coil is designed for use with the pentagrid converter type circuit. The following parts are included in the coil kit:

	List Price
1 No. 3995 B.C. & S.W. Antenna Coil	\$1.75
1 No. 3995 B.C. & S.W. Osc. Coil.....	1.25
1 No. 512-C-2 Input I.F.....	1.50
1 No. 512-C-4 Output I.F.....	1.50
1 .0004 3% Mica Padding Condenser .....	.25
1 .01 3% Mica Padding Condenser .....	.60
1 No. 402 4 Pole, 2 Position Switch.....	1.00
1 No. 3995 Blue Print.....	.25
No. 3995 Coil Kit.....	\$8.00



Model No. 511 All-Wave Superheterodyne Coil Kit

12 to 550 Meters

The Miller No. 511 All-Wave Receiver Kit has been designed for those who wish to construct a less expensive model than our No. 711. However, no compromise has been made which tends to reduce the quality of the product in order to lower costs. Construction has been simplified and a single stage high gain intermediate frequency amplifier used in the 511 receiver instead of the two stages used in the No. 711. The completed 511 receiver will outperform many of the commercial all-wave receivers employing more tubes. By the use of a pentagrid converter type tube the oscillator-first detector circuits have been simplified and a high translation gain is achieved. The chassis has been arranged for the addition of a band-pass input circuit for the broadcast band. While this is not essential it results in increased image frequency rejection and will prevent interference from 160 meter amateur stations to broadcast band reception, which may otherwise occur when a powerful amateur station is located in the immediate vicinity of the receiver. The only additional parts required are a Miller No. 511 Band-Pass

If B. C. Band Coils are desired, Order:
 1 No. 5480-A Antenna Coil..... \$.70
 1 No. 5480-RF RF Coil..... .80

If 10 Meter Coils are desired, Order:
 1 No. E-302 SW-A Antenna Coil..... \$.75
 1 No. E-302 SW-RF RF Coil..... .75



Complete Pre-Selector

The Miller No. 302 Pre-Selector described above is also available completely wired and factory tested, housed in an attractive metal cabinet with airplane type dial. Complete with tubes and power supply. If you would prefer to buy your equipment "tailor-made," here is a real opportunity.

	Net Price
Model 302 Pre-Selector Complete (12 to 200 Meters).....	\$24.00
Model 302 Pre-Selector Complete (12 to 540 Meters).....	26.25
Model 302 Pre-Selector Complete (8 to 200 Meters).....	26.25

Coil and the substitution of a 3-gang variable condenser for the 2-gang variable condenser normally used. Any additional information which you desire will be supplied upon request. The following parts are supplied in the No. 511 Coil Kit:

	List Price
1 No. 511 B.C. Antenna Coil	\$.80
1 No. 511 B.C. Oscillator Coil.....	.50
1 No. 511 S.W. Antenna Coil.....	1.75
1 No. 511 S.W. Oscillator Coil.....	1.75
1 No. 511-1 Input I.F. Transformer.....	1.55
1 No. 511-2 Output I.F. Transformer..	1.55
2 No. 35 Dual Trimmers (@ .50).....	1.00
4 Oscillator Padding Condensers....	1.35
1 Selector Switch No. 404.....	1.60
1 Blue Print .....	.25
Complete Instructions and Data.	

Miller No. 511 All-Wave Coil Kit.....\$12.00
 Broadcast Band-Pass Coil, if desired:
 No. 511-BP—Additional Cost..... .50

No. 924 9-Tube Superheterodyne Coil Kit

540 to 1600 KC

A coil kit for constructing a very fine broadcast band superheterodyne receiver using one stage of RF ahead of the mixer circuit and a two stage intermediate frequency amplifier followed by a push-pull Class AB pentode audio amplifier.

	List Price
1 No. 242-A Antenna Coil.....	\$.90
1 No. 242-RF RF Coil.....	.90
1 No. 242-K Oscillator Coil.....	.75
1 No. 412-K-1 Input I.F. Transformer	1.60
1 No. 412-K-2 Interstage I. F. Transformer	1.60
1 No. 412-K-4 Output I. F. Transformer	1.60
1 .001 3% Mica Padding Condenser .....	.25
1 No. 924 Blue Print .....	.25
Miller No. 924 9-Tube Superheterodyne Coil Kit.....	\$7.50

INTERMEDIATE FREQUENCY TRANSFORMERS

CODE FOR ORDERING

We can supply from stock I.F. transformers in many popular intermediate frequencies and have adopted a code to facilitate ordering and identification of the various types as follows:

Factory Adjusted to	Code Letter	Frequency Range
132½ KC	M	127 - 137 KC
175 KC	K	165 - 185 KC
262½ KC	H	250 - 275 KC
465 KC	C	450 - 475 KC
525 KC	Q	500 - 550 KC
1500 KC	W	1400 - 1600 KC
3000 KC	X	2900 - 3100 KC
5000 KC	Y	4900 - 5100 KC
8000 KC	Z	7800 - 8200 KC

(Special frequencies can be supplied on order.)

Intermediate frequency transformers require different degrees of coupling for various circuit applications, and these are coded as follows:

No. 1 Input Stage—Has coupling adjusted for maximum selectivity and is for use between the mixer and the first I.F. amplifier tube when two or more stages are used.

No. 2 Interstage—Designed to be used as the interstage transformer in a two stage amplifier or as the input stage for a single stage amplifier. Coupling is adjusted to the optimum degree. May also be used as the output transformer in an amplifier in which the second detector is a non-current consuming load, such as a bias detector of any type.

No. 3 Diode Transformer—For use as the output transformer to feed any full-wave diode detector circuit. The secondary is center tapped to provide equal voltage to both diode plates. Adjusted to provide over-coupling in order to prevent excessive selectivity, which would result in poor audio quality.

No. 4 Diode Transformer—This transformer is similar to the No. 3 type except that no center tap is provided.

No. 5 Beat Frequency Oscillator—An efficient electron-coupled type beat frequency oscillator transformer for CW use and for simplifying the logging of DX stations.

No. "CF" Crystal Filter Transformers—These transformers are sold in pairs for use in crystal filter circuits of amateur and commercial receivers. They replace the regular input transformer and are of the low impedance link coupled type.

Miller Intermediate Frequency Transformers are supplied in five standard shield sizes. Each size is available in types for use in any section of the intermediate frequency amplifier. Physical dimensions of the shields are as follows:

No. 212 Type—Outside dia. 2 1/8". Length 3 1/2". Spade bolt mounting centers 2".

No. 312 and 812 Types—Outside dia. 1 5/8". Length 3". Spade bolt mounting centers 1 1/8".

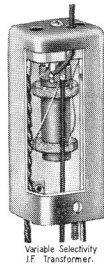
No. 412 Type—Outside dia. 1 7/8". Length 3". Spade bolt mounting centers 1-13/16".

No. 512, 612, and 712 Types—1 1/2" square x 3 1/2" long. Spade bolt mounting centers 1 3/8".

No. 1012 and 1112 Types—2" square x 4 1/4" long. Spade bolt mounting centers 1 7/8".

EXAMPLE OF THE USE OF PRECEDING CODE: Suppose it is desired to order a set of intermediate frequency transformers to operate at 175 KC with a full-wave diode second detector. Should you desire to order the iron core air tuned type transformer, it is seen that the type number for this unit is No. 1112. As the frequency desired is 175 KC, by referring to the letter code you find 175 KC to be designated by the letter "K." As you desire three units, consisting of an input transformer, an interstage transformer, and an output transformer for a full-wave diode detector, you would order as follows:

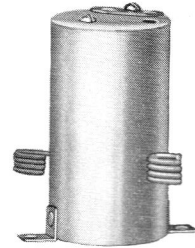
- 1 Only No. 1112-K-1
- 1 Only No. 1112-K-2
- 1 Only No. 1112-K-3



VARIABLE SELECTIVITY I. F. TRANSFORMERS

MILLER Variable Selectivity Intermediate Frequency Transformers have been designed to meet the combined demand for both the high degree of selectivity so necessary for good DX reception and for a band width great enough for the reception of high fidelity programs broadcast from nearby stations. This has been accomplished by a simple electrical method of changing coupling devised by Miller Engineers. It is the most simple and effective method available and does not require any form or type of mechanical adjusting control. A single pole double throw switch is all that is required with a single stage I. F. amplifier. The two positions of the switch provide for sharp and broad tuning. The "broad" position band width is approximately twice that of the "sharp" position for the particular type of I. F. transformer being used. Miller Variable Selectivity I. F. Transformers are available in several types and in all standard frequencies.

Type No.	Description	List Price
F#212	Air-Core Compression Trimmer. 2-1/16" dia. x 3 1/2" Shield	\$2.00
F#312	Air-Core Compression Trimmer. 1 5/8" dia. x 3" Shield.	2.00
F#412	Air-Core Compression Trimmer. 1 7/8" dia. x 3" Shield.	2.00
F#512	Air-Core Compression Trimmer. 1 1/2" Sq. x 3 1/2" Shield	2.00
F#612	Iron-Core Compression Trimmer. 1 1/2" Sq. x 3 1/2" Shield	2.50
F#1012	Air-Core Air-Dielectric Trimmer. 2" Sq. x 4 1/4" Shield.	5.50
F#1112	Iron-Core Air-Dielectric Trimmer. 2" Sq. x 4 1/4" Shield	6.00

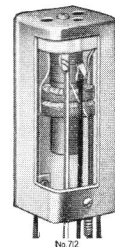


No. 812

WAVE TRAPS

These units are designed to eliminate interference from amateur phone and CW stations and commercial transmitters in broadcast and short-wave receivers. They are also useful for reducing interference from powerful local broadcast stations. The Miller Wave Trap consists of a completely shielded high "Q" parallel resonant circuit and is compact and simple to install. The wave trap connects in series with the antenna, and if necessary several wave traps may be connected in series to eliminate interference from more than one station. Miller Wave Traps do not interfere with the normal operation of the receiver at frequencies other than that to which the wave trap is tuned. A screw driver adjustment is provided to tune the wave trap to the interfering frequency. Available for all standard frequencies and may be made on order for special frequencies. The dimensions of the unit are 1 5/8" diameter x 3" long.

Type No.	Description	List Price
812-X-1	- 425 to 525 KC	\$1.50
812-X-2	- 225 to 375 KC	1.50
812-X-3	- 150 to 225 KC	1.50
812-BC-1	- 1200 to 1600 KC	Standard 1.50
812-BC-2	- 800 to 1200 KC	
812-BC-3	- 500 to 800 KC	Band 1.50
812-A	- 160 Meter Amateur Band.	1.50
812-B	- 80 Meter Amateur Band.	1.50
812-C	- 40 Meter Amateur Band.	1.50
812-D	- 20 Meter Amateur Band.	1.50
812-E	- 10 Meter Amateur Band.	1.50



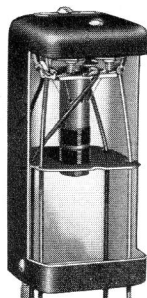
No. 712

NOISE SILENCER TRANSFORMERS

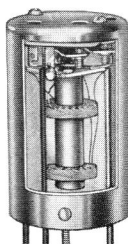
The MILLER No. 712 Series I. F. Transformers are of the tight-coupled single-tuned type with a center tapped secondary and their use is necessary for proper operation of the Noise Silencer described by James Lamb in "QST." These transformers are assembled in our standard 512 type shields 1 1/2" sq. x 3 1/2" long. When ordering please specify desired intermediate frequency.

Type No.	Description	List Price
712	Noise Silencer Transformer.	\$1.50

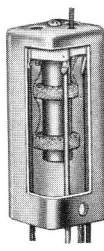
INTERMEDIATE FREQUENCY TRANSFORMERS



Television I.F. Transformer



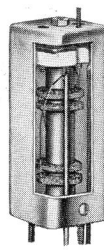
No. 212



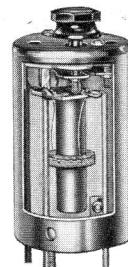
No. 512



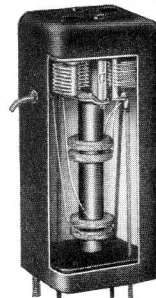
No. 312



No. 612



Beat Frequency Oscillator



No. 1012

AIR CORE I.F. TRANSFORMERS

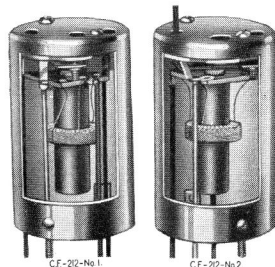
Mica Compression Type

For those who desire to use I.F. transformers of moderate price with medium gain and selectivity, these air core types we believe to be the finest obtainable. They are available in four shield sizes using three different types of tuning condensers. Choice of the particular type used depends upon the available chassis space and whether they are to be used in new equipment or for replacement. In each case the winding form factor and wire size has been chosen to provide the greatest amount of gain and selectivity obtainable with the physical dimensions of the shields used. Some of these transformers use a copper ring between the primary and secondary windings on the No. 1 types. The purpose of this ring is to provide absorption loss to prevent excessive gain and selectivity in multi-stage I.F. amplifiers. Should it be desirable to build an I.F. amplifier to obtain the maximum gain and selectivity using two stages, the No. 2 type may be substituted for the No. 1 type ordinarily used.

I. F. Transformers for use in Television Receivers must have a very wide range of frequency, therefore Miller Television Transformers are assembled on compression type high "C" Condensers using solenoid windings on a 1/2" diameter bakelite form. The primary-secondary coupling is very tight, resulting in low gain per stage and broad frequency response. High Q sharply tuned I. F. transformers are not desirable for use in Television Receivers.

Type	Description	List Price
No. 212—Nos. 1, 2, 3, and 4		\$1.65
No. 212—No. 5 Beat Frequency Oscillator		1.75
No. 212—"CF" Crystal Filters (Per Pair)		4.00
No. 312—Nos. 1, 2, 3, and 4		1.55
No. 312—No. 5 Beat Frequency Oscillator		1.75
No. 312—"CF" Crystal Filters (Per Pair)		4.00
No. 412—Nos. 1, 2, 3, and 4		1.60
No. 412—No. 5 Beat Frequency Oscillator		1.75
No. 412—"CF" Crystal Filters (Per Pair)		4.00
No. 512—Nos. 1, 2, 3, and 4		1.50
No. 512—No. 5 Beat Frequency Oscillator		1.75
No. 512—"CF" Crystal Filters (Per Pair)		4.00
No. 912-Z—8000 KC Tele. Type I.F.		2.50

(The above prices apply for all standard frequencies.)



CF-20-No. 1

CF-20-No. 2

The mica compression trimmers used in Miller I. F. Transformers are treated with our exclusive automatic cycling heat treatment consisting of alternately heating to 200° F. and cooling to 90° F. through five complete cycles. This heat treatment results in a much higher degree of capacity stability, which in turn insures perfect alignment of the I. F. transformer under the conditions of varying temperatures encountered in the modern radio receiver.

IRON CORE I.F. TRANSFORMERS

Mica Compression Type

Radio engineers have long recognized that the use of an iron core would greatly increase the "Q" (figure of merit) of radio frequency transformers, providing the eddy current losses could be materially reduced below that encountered when a solid or laminated iron core is used.

Miller Engineers have developed such an iron core material, which consists of finely powdered pure iron in which each minute particle is completely coated with a dielectric and the entire mass held together with a suitable binder. This material is used in all Miller Iron Core I.F. Transformers and results in much better gain and selectivity than that obtainable with similar types of transformers using air cores. A single stage intermediate frequency amplifier using Miller Iron Core Transformers can be designed to have the approximate gain and selectivity of the conventional two stage air core type. By thus reducing the number of tubes required, a much lower inherent receiver noise level is obtained.

Miller No. 612 Series of Iron Core Intermediate Frequency Transformers are available for all standard frequencies:

Type	Description	List Price
No. 612—Nos. 1, 2, 3, and 4		\$2.00
No. 612—No. 5 Beat Frequency Oscillator		2.25
No. 612—"CF" Crystal Filters (Per Pair)		4.50

AIR TUNED TRANSFORMERS

Air Core and Iron Core

The air-dielectric condensers used in the MILLER Series 1012 and 1112 Intermediate Frequency Transformers are constructed on conventional time-proven principles and are not to be confused with some types using experimental and tricky designs. Soldered brass plates and ceramic construction is used throughout. A special tension shoe holds the rotor rigidly and permanently in adjustment when subjected to mechanical vibration and shocks. The condenser has an extremely low power factor and a "Q" approximately ten times as great as that of the ordinary mica compression type trimmer. In order to provide the utmost ease of adjustment the trimmer capacity is divided into two parts—approximately 70% of the total capacity being fixed and 30% variable. The entire capacity is, of course, air-dielectric. This method of construction gives the same effect as the use of parallel band spread used in Communication type receivers. Tuning adjustments are made from the top of the shield.

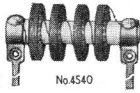
For UHF superheterodyne receivers our No. 1012 series high frequency I. F. transformers are the finest obtainable. The 1012 air-core series is available in the following stock frequencies: **K type for 175 KC, C type for 465 KC, W type for 1500 KC, X type for 3000 KC, Y type for 5000 KC.** The 1112 iron-core series is available in the following stock frequencies: **K type for 175 KC, H type for 262 KC, C type for 465 KC.**

Transformers for other frequencies are available on order.

MILLER Air-Tuned I. F. Transformers are assembled in attractive black "Kem-Art" finished aluminum shields 2" sq. x 4 1/4" long and are provided with 6/32 spade bolts for attaching to the chassis. The Series 1112 Transformers are the iron-core type.

Type No.	Description	List Price
(Air-Core Air-Dielectric Condenser Tuned I. F. Transformers)		
1012—Nos. 1, 2, 3, and 4		\$5.00
1012—No. 5 Beat Frequency Oscillator		5.25
F#1012—Variable Selectivity		5.50
(Iron-Core Air-Dielectric Condenser Tuned I. F. Transformers)		
1112—Nos. 1, 2, 3, and 4		\$5.50
1112—No. 5 Beat Frequency Oscillator		5.75
F#1112—Variable Selectivity		6.00

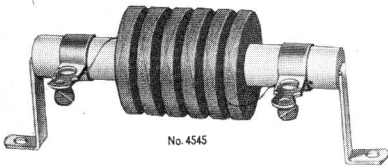
HIGH FREQUENCY CHOKES



RESISTOR TYPE RF CHOKES Pi Wound on Ceramic Forms

MILLER Resistor Type Radio Frequency Chokes are the result of careful research and design and offer advantages found in no other similar type. The terminals will **not** come off! This is due to an entirely new method of fastening the leads as well as a unique design. Soldering temperatures and end strain will not loosen the leads. The terminals are made of a special cadmium plated soft, flexible brass. The windings are of the multiple-section duo-lateral type wound on high grade ceramic forms $\frac{1}{4}$ " diameter x $1\frac{1}{2}$ " long. All of these chokes have extremely low distributed capacity, less than 1.5 uuf. for most types. Maximum safe current capacity is 125 MA. Inductance tolerance three percent plus or minus.

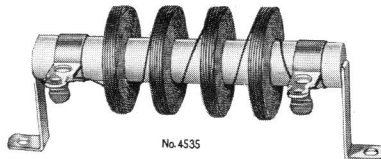
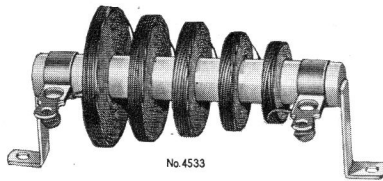
Cat. No.	Inductance (Millihenries)	DC Resistance (Ohms)	List Price
4531	.5	11.5	\$.65
4532	1.5	21.0	.65
4537	2.5	26.0	.65
4538	5.0	40.0	.80
4539	7.5	79.0	.85
4540	10.0	95.0	.90
4541	25.0	160.0	1.20



HIGH INDUCTANCE CHOKES

The following types of MILLER RF Chokes are designed for use when high inductance values are required for special applications, such as beat frequency audio oscillators and low frequency RF circuits that are encountered in carrier telephony. They are pi wound on Alsimag ceramic forms $\frac{1}{2}$ " in diameter. Values up to 100 MH are on forms $2\frac{1}{2}$ " long and will handle currents up to 100 MA. The larger values of inductance are on forms $3\frac{1}{2}$ " long and are rated at 75 MA. Terminal lugs are made from heavy stock securely riveted around the forms. The mounting brackets may be removed and machine screws may be substituted as both ends of Alsimag forms are tapped for 6/32 machine screws. All hardware is made from cadmium plated brass strip stock. The inductance values are held to plus or minus three percent tolerance.

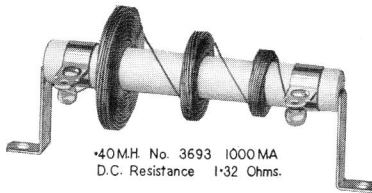
Cat. No.	Inductance (Millihenries)	DC Resistance (Ohms)	List Price
(Wound on Alsimag Forms $\frac{1}{2}$ " diameter x $2\frac{1}{2}$ ")			
4542	50.0	222	\$1.60
4543	75.0	290	1.75
4544	100.00	350	1.90
(Wound on Alsimag Forms $\frac{1}{2}$ " diameter x $3\frac{1}{2}$ ")			
4545	150.0	480	3.15
4546	200.0	530	3.45
4547	250.0	690	3.80



HEAVY DUTY NAVY TYPE CHOKES

The following Heavy Duty High Frequency Chokes are recommended for use in the high power transmitter. They are pi wound on Alsimag forms $\frac{1}{2}$ " in diameter x $3\frac{1}{2}$ " long provided with snap-on brackets. Both ends of the form are tapped for 6/32 machine screws and the brackets may be removed for end mounting. All hardware is of cadmium plated brass.

Cat. No.	Inductance (Millihenries)	Current (Milliamperes)	DC Resistance (Ohms)	List Price
4534	1.0	1000	2.50	\$1.60
4535	1.5	1000	3.65	1.60
4533	2.5	750	4.50	1.75
4536	4.0	750	5.50	2.00



*40MH No. 3693 1000 MA
D.C. Resistance 1-32 Ohms.



*60 MH No. 3694 1000 MA.
D.C. Resistance 2-0 Ohms.

HIGH FREQUENCY CHOKES FOR DIATHERMY

Designed for use in diathermy oscillators operating in the $2\frac{1}{2}$ to 20 meter range, these chokes are scientifically proportioned to provide maximum efficiency. They are of the same construction as the heavy duty navy type, and are used as standard equipment by many of the leading diathermy manufacturers. We will gladly quote on chokes for special applications where our stock types are not suitable.

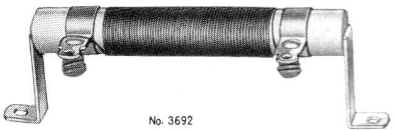
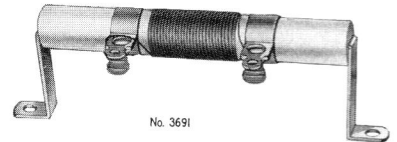
Cat. No.	Inductance (Millihenries)	Current (Milliamperes)	DC Resistance (Ohms)	List Price
3693	.40	1000	1.32	\$1.25
3694	.60	1000	2.00	1.50



2 1/2 AND 5 METER RF CHOKES Receiver Type

Designed for use in the Ultra High Frequency Receiver and low power transmitter, these chokes wound on $\frac{1}{4}$ " diameter x $1\frac{1}{2}$ " long ceramic dowels with Miller "Sta-On" terminal lugs, are outstanding for low distributed capacity and careful construction. Conservatively rated at 200 MA.

Cat. No.	Inductance (Microhenries)	DC Resistance (Ohms)	List Price
4528	2.5	.27	\$.45
4529	5.0	1.00	.45



2 1/2 AND 5 METER RF CHOKES Heavy Duty Transmitter Type

These are without doubt the finest Ultra High Frequency High Power Transmitter Chokes available for the discriminating amateur and commercial constructor of such equipment. They are solenoid wound on Alsimag forms $\frac{1}{2}$ " in diameter x $3\frac{1}{2}$ " long, which in addition to convenient mounting brackets have both ends of the forms tapped for 6/32 machine screws to permit end mounting. Will handle 1000 MA continuously.

Cat. No.	Inductance (Microhenries)	DC Resistance (Ohms)	List Price
3691	10	.36	\$.75
3692	20	.50	.75



RECTIFIER PLATE RF FILTER CHOKE

A unit consisting of two radio frequency chokes assembled in an aluminum shield $1\frac{1}{8}$ " diameter x 2" long, and provided with spade bolts for mounting to the chassis. They are necessary for use in the plate leads of mercury vapor type rectifier tubes to prevent RF "hash" from causing interference in the high frequency circuits of sensitive all-wave receivers. Maximum safe continuous current capacity 125 MA.

Cat. No.	List Price
80-F — Rectifier Filter Choke	\$1.00

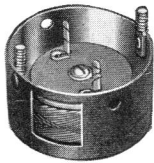
RADIO FREQUENCY CHOKES



SERIES 600 RF CHOKES Air Core Unshielded

The MILLER Series 600 Duo-Lateral Wound Single Section Radio Frequency Chokes are ideally suited for all receiver applications where a moderately priced unit is required. They are wound with silk covered enamelled copper wire on thoroughly impregnated hard wood dowels. A 1" diameter bakelite terminal plate is securely fastened to the dowel with a tubular brass eyelet, permitting single hole mounting with a #6/32 machine screw. The winding is impregnated to prevent moisture absorption. Maximum safe current capacity 125 MA. Inductance values accurate to within three percent plus or minus.

Cat. No.	Inductance (Millihenries)	DC Resistance (Ohms)	List Price
610	.25	8	\$.25
620	.75	17	.25
630	1.50	21	.25
640	2.50	28	.30
650	5.00	41	.30
660	7.50	53	.35
670	10.00	64	.40
680	12.50	74	.40
690	15.00	83	.45
1000	20.00	97	.50



No. 757

SERIES 700 RF CHOKES Air Core Shielded

The MILLER Series 700 Radio Frequency Chokes are similar in construction to the Series 600 except that they are assembled in round aluminum shields and are especially recommended for use in stage isolating circuits where coupling between chokes would be detrimental. The aluminum shield is finished in black Kem-Art baked "crackle" enamel. The shields are 1 1/4" diameter x 1" high and are provided with two #6/32 spade bolts for mounting to the chassis, except the No. 758, which is in a 1 3/8" diameter x 1" shield. Maximum safe current capacity is 125 MA except on the No. 758, which is 100 MA. Inductance tolerance three percent plus or minus.

Cat. No.	Inductance (Millihenries)	DC Resistance (Ohms)	List Price
751	.5	10	\$.60
752	1.0	17	.65
753	2.5	30	.70
754	5.0	49	.75
755	7.5	61	.80
756	10.0	75	.85
757	25.0	135	1.05
758	50.0	186	1.15



No. 952

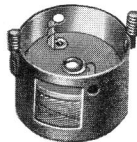


No. 960

SERIES 900 RF CHOKES Iron Core Unshielded

The MILLER Series 900 Radio Frequency Chokes are of the single section duo-lateral type wound on 3/8" diameter x 1/2" long IRON CORES to provide the maximum inductance for minimum resistance and space requirements. They are particularly adaptable for special applications where a high "Q" choke with low distributed capacity is needed. Single hole mounting by means of brass bolt through center of core. Safe current capacity 125 MA for chokes up to 25 MH inductance, and 100 MA for higher values of inductance. All chokes are thoroughly impregnated and the specified inductance values are accurate to within three percent plus or minus.

Cat. No.	Inductance (Millihenries)	DC Resistance (Ohms)	List Price
951	.5	6.8	\$.65
952	1.0	10.9	.70
953	2.5	19.5	.75
954	5.0	23.0	.80
955	7.5	37.0	.85
956	10.0	45.0	.90
957	25.0	78.0	1.15
958	50.0	130.0	1.25
959	75.0	172.0	1.30
960	100.0	210.0	1.50
961	150.0	268.0	1.65

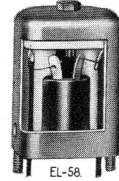


No. 853

SERIES 800 RF CHOKES Iron Core Shielded

The MILLER 800 Series Radio Frequency Chokes are the same as the 900 Series except that they are assembled in aluminum shields finished in black Kem-Art baked "crackle" enamel. Sizes up to 25 MH are in shields 1 1/4" diameter x 1" high. Sizes above 25 MH are in shields 1 3/8" diameter x 1" high. Safe current capacity for chokes below 50 MH is 125 MA. 100 MA for chokes larger than 50 MH. The inductance is accurate to three percent plus or minus.

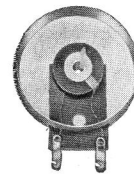
Cat. No.	Inductance (Millihenries)	DC Resistance (Ohms)	List Price
851	.5	8.6	\$.85
852	1.0	11.5	.90
853	2.5	22.0	.95
854	5.0	31.0	1.00
855	7.5	42.0	1.00
856	10.0	47.0	1.05
857	25.0	100.0	1.20
858	50.0	160.0	1.35
859	75.0	222.0	1.45
860	100.0	348.0	1.85
861	150.0	520.0	2.45



No. EL-58 10 KC Filter (For Hi-Fidelity Receivers)

A shielded filter designed to eliminate the 10 KC whistle present in wide range broadcast receivers. It is an M-derived filter to be used in the plate circuit of a triode A.F. amplifier using type 56, 76, or 6C5 tubes as shown in print No. EL-560 in the circuit section of this catalog. The attenuation to 10,000 cycles is approximately 30 db. The filter consists of a high inductance iron core winding shunted by a variable trimmer condenser operating at approximately 85 uuf. The .001 mfd. condenser from plate to ground shown in the circuit is not included with the filter. The No. EL-58 filter is assembled in an aluminum shield 1 1/2" square x 2 1/2" long provided with spade bolts for mounting. This is an essential part for your high fidelity receiver.

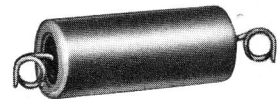
	List Price
No. EL-58 10 KC Filter	\$2.25



No. 1000-S

A radio frequency choke for use in B+ leads to RF and IF coils to reduce common coupling. Similar to No. 690 except mounted in a flat shield 2 1/8" O.D. by 3/4" deep. Has center hole for mounting with single 6/32 screw. Lugs protrude through side of can for easy soldering. Inductance, 15 millihenries.

No. 1000-S Shielded RF Choke,	
15 MH, List Price	\$.65



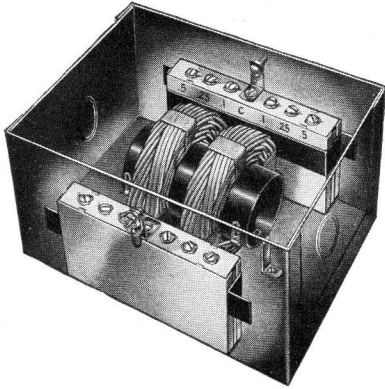
No.5221

AUTO RADIO FILAMENT CHOKE

The MILLER No. 5221 RF Choke is for use in the filament circuit of auto radios to prevent ignition noise pickup from the car battery system and also in the low voltage circuits of vibrator and motor generator plate supplies. It consists of a multi-layer solenoid with wire leads encased in a cardboard tube. To prevent excessive voltage drop several chokes are generally used, one in the ungrounded tube filament line, one in the plate supply line, and if a separate rectifier tube is used a separate choke should be used for its filament line.

Cat. No.	Inductance	Resistance	List Price
5221	10 uh.	.02 ohms	\$.50

LINE FILTERS AND CHOKES



MILLER UNI-FILTER

As the name implies, the Miller Uni-Filter is a universal line filter. It may be used for any filter application by simply making the correct internal connections. It is no longer necessary to stock a special filter for each individual type of equipment — a Miller Uni-Filter will do the job!

The Miller Uni-Filter may be used to prevent interference feed-back into the power lines from farm lighting plants, electric refrigerators, diathermy and electro-cautery devices, oil burner ignition systems, sign flashers of all types, rotary converters, vibrator type converters, portable gas-electric plants, electric drills, elevators, and all commutator type motors.

The phantom view illustration shows clearly the construction of the Uni-Filter. Note that two capacitor blocks, each consisting of six condensers, are included. Each block contains two each .1 mfd., .25 mfd., and 5 mfd. condensers, all with a common terminal for grounding. The condensers are rated at 220 Volts AC or DC working voltage. The capacitor blocks may be easily removed should replacement for any reason be necessary. Short leads provided with open end lugs at one end — the other end is tinned for connection to the chokes — are included for attachment to the screw type terminals on the capacitor blocks. The wide assortment of capacitances included in the Miller Uni-Filter enables choice of the correct value for any particular type of equipment.

The steel case with removable cover is finished in Kem-Art black baked "crackle" enamel. Knockouts are punched in each end for standard 1/2" or 3/4" conduit or flexible cable fittings. The dimensions of the Uni-Filter are 4 1/2" high x 8 1/4" long x 6 1/4" wide.

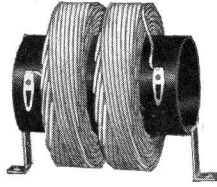
MILLER UNI-FILTERS COMPLETE

Uni-Filter No.	Current Capacity	List Price
7819	5 Amps.	\$15.50
7820	10 "	16.75
7821	20 "	17.75
7822	30 "	19.25

MILLER UNI-FILTER BASE KIT

	List Price
7801—Uni-Filter Case	\$4.00
7802—Uni-Filter Capacitor Blocks @ \$3.75	7.50
7800—Uni-Filter Base Kit Complete	11.50

Select a Dual Choke of suitable capacitance for use with the Base Kit.



DUO-LATERAL LINE FILTER CHOKES

Miller Duo-Lateral Line Filter Chokes are recommended to manufacturers for use in farm lighting plants, sign flashers, signaling systems, oil burners, diathermy equipment, and all types of intermittent switching systems. Technicians and electrical contractors sometimes find it desirable to construct their own filters using Miller Chokes rather than to use the Miller Uni-Filter. When used with amateur and commercial radio transmitters suitable filters constructed using Miller Duo-Lateral Line Filter Chokes will prevent feedback through the power lines and eliminate carrier radiation within the electrical system. These chokes are also well adapted for antenna tower lighting circuits,

MILLER DUAL DUO-LATERAL WOUND LINE FILTER CHOKES

Type No.	Max. Amps.	Induc. tance	DC Resis- tance	List Price
D-7826	5	.570	.28	\$3.75
D-7827	10	.370	.15	5.00
D-7828	20	.200	.085	6.00
D-7829	30	.135	.05	7.50

Miller Single Duo-Lateral Wound Line Filter Chokes

Type No.	Max. Amps.	Induc. tance	DC Resis- tance	List Price
7825	2	.600	.75	\$1.00
7826	5	.570	.28	2.50
7827	10	.370	.15	3.25
7828	20	.200	.085	4.00
7829	30	.135	.05	5.00

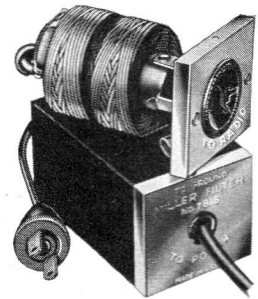


No. 7817

Electric Shaver Filter

Don't let your electric shaver spoil your radio reception. Radio interference set up by electric shavers may be completely eliminated by using the Miller No. 7817 Shaver Line Filter, which plugs into the convenience outlet for the razor — no ground connection is needed. The Miller Shaver Filter is a complete filter — both duo-lateral wound chokes and a by-pass condenser are used. Filters containing condensers only are not completely effective in removing radio interference created by electric shavers. Outstanding features of the Miller No. 7817 Filter are: Unbreakable molded rubber construction, light weight, positive contacts, and small size — only 1 1/4" diameter x 3" long. May be used with any make of electric shaver.

No. 7817 Electric Shaver Filter.....	List Price
	\$1.25



ALL-WAVE INTERFERENCE FILTERS

The new Miller No. 7818 All-Wave Line Filter is an outstanding development for the elimination of radio interference from small electrical appliances, such as food mixers, juice extractors, hair dryers, drink mixers, vacuum cleaners, sewing machines, cash registers, small fans, dictating machines, comptometers, etc. **When used in the supply cord of the radio receiver it will prevent unwanted signal pickup and direct line noise pickup from the house wiring system.** The unique circuit connection makes this filter equally effective for use at the radio receiver or in the appliance circuit. For correct filtering both inductance and capacitance must be used, and the Miller No. 7818 All-Wave Line Filter uses the exclusive Miller double duo-lateral wound chokes and special twin condensers. These features are found in no other line filter. Conservative rating, honest workmanship, and the use of only the highest quality materials, result in a line filter of unequalled lifetime efficiency.

Receivers located in the vicinity of powerful broadcast stations often pick up the carrier of the transmitter directly into the detector and audio circuits. This is due to coupling from the AC cord wiring in the receiver. Since this interference is not fed through the tuned circuits, an antenna wave trap is useless under these conditions. In many cases the Miller Line Filter will by-pass this unwanted signal and prevent its entering the receiver through the AC cord. Dealers who want to keep radios "sold" should recommend a Miller Line Filter with each installation.

Thousands of satisfied users testify to the effectiveness of the Miller No. 7818 Line Filter.

The Miller Line Filter is fully guaranteed against any defect in material or workmanship.

Anyone can install the Miller No. 7818 All-Wave Line Filter by simply plugging it in between the power outlet and the radio or appliance to be filtered. No tools are needed and **there are no adjustments** required. The connections are plainly marked in embossed lettering on each end of the case. The filter is completely enclosed in a handsome metal case finished in Kem-Art black with chromium plated brass end plates. One end of the case contains a standard Underwriter's Laboratories approved receptacle and at the other end is an approved three foot rubber cord with unbreakable attachment plug. Approximate dimensions are 2" x 2 1/4" x 3 3/4". The shipping weight is only 16 ozs. The No. 7818 Line Filter may be used on line voltages up to 220 volts AC or DC and frequencies up to 133 cycles. **The maximum current capacity is 2 amperes.**

No. 7818—All-Wave Line Filter.....	List Price
	\$4.00

REPLACEMENT COILS AND PARTS

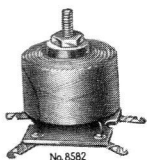
REPLACEMENT COILS

Miller replacement coils and windings are carefully constructed to duplicate as nearly as possible the original coil which they are designed to replace. Every effort has been made to insure easy assembly and original performance. All windings are thoroughly impregnated against moisture absorption. Replacement coils most commonly needed are listed below. However, we carry in stock and add to our stock from time to time new replacement units as the need arises. Special replacement coils which are not carried in stock may be made to order at a reasonable cost. Merely ship us the defective unit and we will make necessary repairs or a duplicate coil.



Majestic Replacement I.F. Windings

Model	Winding Only for	Majestic No.	Miller No.	List Price
15-15B-55-150-200	1st I.F.	4428-6250-6506	4570	\$.70
15-15B-150	2nd I.F.	8384-4429	4571	.80
25	1st I.F.	5326	4574	.80
25	2nd I.F.	5337	4575	1.00
25B	1st I.F.	5601	4576	.80
25B	2nd I.F.	5602	4577	1.00
66	1st I.F.	10589-10078	4579	.80
66	2nd I.F.	10098-10591	4580	.80
116	2nd I.F.	9361	4581	.80
200	2nd I.F.	6254	4583	1.00
210	1st I.F.	6119	4584	.80
210	2nd I.F.	6123	4585	.80
210	3rd I.F.	6127	4572	.80
310-A, 310-B				
330-340-360-390	1st I.F.	7821	4586	.80
310A-310B-330-340-390	2nd I.F.	7812	4587	.90
360	2nd I.F.	9094	4588	.80
460	1st I.F.	10149	4589	.80
500	1st I.F.	10843	4590	.80
500	2nd I.F.	11705	4591	.80
500	3rd I.F.	10852	4592	.80
86-460-490-461-462-463-491-493-520-800-105-95		10253-11014-11361	4573	.95
290-300-310-330-340-390-460-490-520-800-320-280	RF Choke	7187	8412	.45



Crosley Replacement I.F. Windings

Model	Winding Only for	Miller No.	List Price
124	Output I.F.	M-124	\$1.25



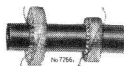
Grebe Replacement I.F. Windings

Model	Winding Only for	Grebe No.	Miller No.	List Price
HS-4, HS-6, HS-7, HS-8, 1st I.F. HS-12		8580	\$1.00
HS-4, HS-6, HS-7, HS-8, 2nd I.F. HS-12		8581	1.00

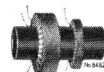


Radiola Replacement I.F. Windings

Model	Winding Only for	Radiola No.	Miller No.	List Price
R80-R82-R86-RAE68	1st I.F.	8567	8567	\$1.00
R80-R82-R86-RAE68	2nd I.F.	8565	8565	1.00
R80-R82-R86-RAE68	3rd I.F.	8566	8566	1.00
R7A-R9DC-RE16A-R10DC-R7-R4-R6-RE18A-R21-R11-R18-RAE-26-R55	1st I.F.	7266	7266	1.00
R7A-R9DC-RE16A-R10DC-R7-R4-R6-RE18A-R21-R11-R18-RAE-26-R55	2nd I.F.	7267	7267	1.00



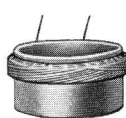
R7A-R9DC-RE16A-R10DC-R7-R4-R6-RE18A-R21-R11-R18-RAE-26-R55	2nd I.F.	7267	7267	1.00
66-67	1st I.F.	8481	8481	1.00
66-67	2nd I.F.	8481	8481	1.00
66	3rd I.F.	8500	8500	1.00
67	3rd I.F.	8482	8482	1.00



RF Primary Choke	8197	8197	.55
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No. 150



No. 250

Antenna Coil Replacement Primaries

A high impedance type duo-lateral antenna primary for replacing burnt-out primaries. Wound on specially treated impregnated cardboard tubing. Available in four sizes. Dimensions given are for outside diameter of antenna coil secondary winding.

Model	List Price
No. 125—For 3/4" Coils	\$.25
No. 150—For 7/8" Coils	.25
No. 250—For 1" Coils	.25
No. 300—For 1 1/4" Coils	.25

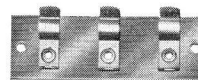


Tie Points

One of the handiest items the radio manufacturer or constructor can find for the termination of pigtail resistors and midget condensers and common leads in the receiver, amplifier, or transmitter. Extra heavy eyelet type terminal lugs are securely mounted in bakelite strips 1/8" thick, and are hot-dip tinned. The figure preceding the "0" indicates the number of insulated terminals.

LIST PRICE

Cat. No.	Lots of 100	Less than 100—Each
No. 1510—3/8" x 3/4"	\$2.00	\$.025
No. 1520—3/8" x 1 1/8"	2.65	.030
No. 1530—3/8" x 1 7/8"	4.15	.050
No. 1540—3/8" x 2 1/4"	5.30	.060
No. 1550—3/8" x 2 5/8"	6.00	.070



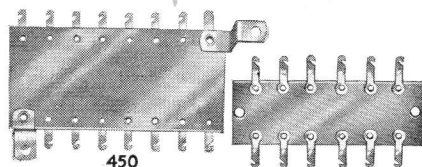
460

Fuse Mountings

One piece cadmium plated brass spring clips and lugs desirable for tapped power transformers on receivers or similar equipment. Made for radio type fuses. Available in two types—single fuse mounting type and three clip type for tapped transformers.

List Price

No. 460—3 Clip Type, 1" x 3"	\$.20
No. 461—2 Clip Type, 1" x 1 1/2"	.15



450

Bakelite Terminal Plates

These terminal plates, provided with solder lugs, are particularly adaptable for the assembly of groups of resistors and midget condensers. They will greatly facilitate assembly and wiring of the chassis.

No. 420—Has six terminal lugs on each side for 1/2 watt resistors, spaced 1/8" apart. Made of 1/8" bakelite 1" x 3".

No. 430—Has four terminal lugs on each side for 1 watt resistors and midget condensers, spaced 1/8" apart. Made of 1/8" bakelite 2" x 2 1/2".

No. 440—Has fourteen terminal lugs on each side for 1/2 watt resistors, spaced 1/8" apart. Made of 1/8" bakelite 1" x 5 3/4".

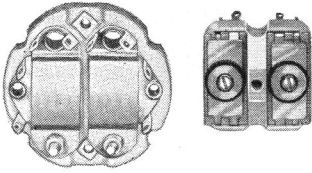
No. 450—Has seven terminal lugs on each side for 1 watt resistors and midget condensers, spaced 1/8" apart. Supplied with "Z" brackets for 3/4" stand-off from chassis. Made of 1/8" bakelite 1 3/4" x 3 3/4".

List Price

No. 420 Terminal Plate	\$.20
No. 430 Terminal Plate	.25
No. 440 Terminal Plate	.35
No. 450 Terminal Plate	.30

On Quantity Orders we can make up special terminal strips to your specifications. Submit sketch for quotation.

MISCELLANEOUS PARTS



Dual Intermediate Frequency Mica Tuning Condensers

These are the same high quality trimmer condensers which are used in Miller intermediate frequency transformers. They are of the mica dielectric compression type and are assembled on thoroughly impregnated ceramic forms. The fixed plates are punched from a special alloy brass sheet; the adjustable plates are punched from highest quality phosphor bronze sheet stock. After punching the plates are barrel tumbled to remove any burrs and are then cadmium plated.

All Miller compression type mica dielectric I.F. trimmer condensers are given an automatic cycling heat treatment to reduce possibility of capacity drift under variations of temperature encountered in present day receivers. After assembly and test the trimmers are placed in a circulating air type electric oven where they are alternately heated to 200° F. and cooled to 90° F. through five complete cycles. After this treatment, which reduces mechanical stresses, tests show that capacity variation with temperature changes are reduced to 1/10 of the variation encountered with trimmers which have not been given this treatment.

The following three types are available:

No. 212 Type—Outside diameter 2". Over-all depth $\frac{11}{16}$ ". Two threaded clinch nuts are fastened into the form for mounting with the use of 6/32 machine screws.

List Price

No. 70—Range 10 to 90 uuf.....\$.50
No. 100—Range 35 to 150 uuf..... .50
No. 140—Range 45 to 200 uuf..... .50

No. 312 Type—Similar construction to that used in the 212 type except smaller. Outside diameter $1\frac{1}{16}$ ". Over-all depth $\frac{11}{16}$ ".

List Price

No. 35—Range $7\frac{1}{2}$ to 45 uuf.....\$.50
No. 90—Range 35 to 100 uuf..... .50

No. 512 Type—A very small trimmer which possesses all of the features necessary for highest quality. Unique construction provides insulation of the adjustment screws from the plates to the condensers, avoiding the possibility of short-circuiting the coil terminals to the shield. A convenient hole through the center of the ceramic form provides for single hole mounting with a 6/32 machine screw. Dimensions $1\frac{3}{8}$ " square x $\frac{7}{8}$ " high overall.

List Price

No. 120-3D—Range 30 to 150 uuf.....\$.50

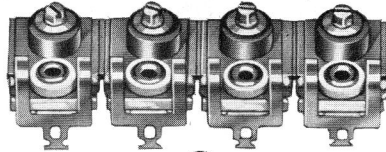


No. 730

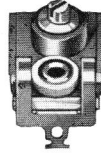
Bakelite Dial Pointers

List Price

No. 730— $2\frac{1}{4}$ " Long\$.15
No. 731— $1\frac{1}{4}$ " Long12



MA-4. MA-1.

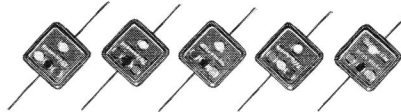


MIDGET TRIMMER CONDENSERS

These trimmers are available in single and four unit assemblies with a common ground strip. Isolantite insulation blocks are placed to provide minimum dielectric in the field, making them especially adaptable for high frequency circuits. The adjusting screw insulating block is of unbreakable molded plastic. Ideal for use to trim the individual circuits of multiband receivers. Capacity range from 7 to 40 uuf.

List Price

MA-1 Single Section Trimmer.....\$.25
MA-4 Four Section Trimmer..... .80

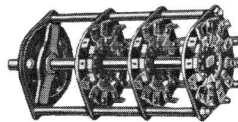


Accurate Molded Mica Padding Condensers

For the convenience of our customers we carry in stock the more commonly used sizes of mica padding condensers for oscillator circuits. All of these condensers are guaranteed to be accurate within 3% of their specified capacity. To insure proper tracking of the oscillator circuit, it is necessary that the series padding condenser be quite accurate, which means that the ordinary 10 and 20% tolerance condensers **must not** be used.

List Price

.00012 uf. 3% Tol. Mica Condenser..\$.25
.0004 uf. 3% Tol. Mica Condenser.. .25
.0005 uf. 3% Tol. Mica Condenser.. .25
.0006 uf. 3% Tol. Mica Condenser.. .25
.001 uf. 3% Tol. Mica Condenser.. .25
.0016 uf. 3% Tol. Mica Condenser.. .25
.003 uf. 3% Tol. Mica Condenser.. .25
.01 uf. 3% Tol. Mica Condenser.. .60



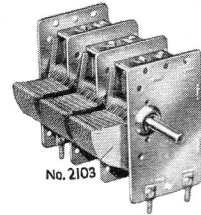
No. 605

Band Selector Switches

The successful operation of a multiband receiver depends to no little degree upon the excellence of the switch used. These switches are of a positive self-cleaning type with silver plated contacts. $\frac{3}{8}$ " single hole mounting.

List Price

No. 402—4 Pole, 2 Position Switch.....\$1.00
No. 205—2 Pole, 5 Position Switch..... 1.00
No. 404—4 Pole, 4 Position Switch..... 1.60
No. 405—4 Pole, 5 Position Switch..... 1.75
No. 605—6 Pole, 5 Position Switch..... 2.40
No. 806—8 Pole, 6 Position Switch..... 3.20

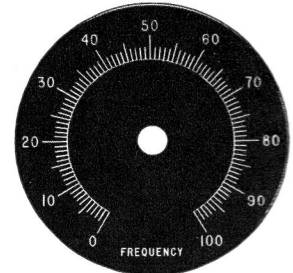


Variable Condensers

High quality variable condensers furnished with spade bolts for mounting. Individual trimmers on each section. The latest design low-minimum capacity type. $\frac{1}{4}$ " shaft. Maximum capacity .000365 uf.

List Price

No. 2102 2 Sections, 180° rotation..\$2.50
No. 2102-G 2 Sections, geared to 270° shaft rotation..... 2.75
No. 2103 3 Sections, 180° rotation 3.75
No. 2104 4 Sections, 180° rotation 5.00
(No. 2104 has mounting brackets)

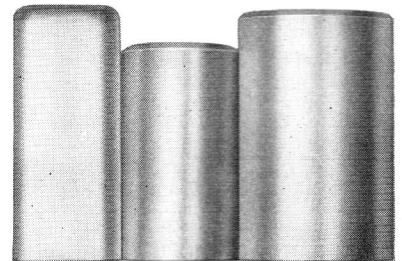


Engraved Bakelite Dials

Available for either 180° or 270° clockwise rotation of shaft. Engraved 0 to 100. Any one word engraved at slight extra cost. If not specified will be shipped plain.

List Price Plain Engraved

No. 628—2" Diameter\$.80 \$1.00
No. 629— $3\frac{1}{2}$ " Diameter80 1.00



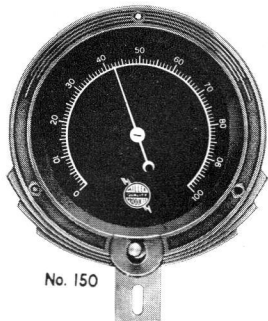
Aluminum Coil Shields

All Miller Coil Shields are of finest quality drawn aluminum with a beautiful Oakite Satin finish and are supplied with spade bolts for mounting to the chassis.

List Price

No. S-74— $1\frac{1}{4}$ " Dia. x 2" Long, $1\frac{1}{8}$ " Mounting Center.....\$.20
No. S-51— $1\frac{1}{2}$ " Square x $3\frac{1}{2}$ " Long, $1\frac{3}{8}$ " Mounting Center..... .25
No. S-31— $1\frac{3}{8}$ " Dia. x 3" Long, $1\frac{1}{8}$ " Mounting Center..... .20
No. S-41— $1\frac{7}{8}$ " Dia. x 3" Long, $1\frac{1}{8}$ " Mounting Center..... .25
No. S-21— $2\frac{1}{8}$ " Dia. x $3\frac{1}{2}$ " Long, 2" Mounting Center..... .35
No. S-727— $2\frac{1}{8}$ " Dia. x $2\frac{1}{2}$ " Long, 2" Mounting Center..... .25
No. L-727— $2\frac{1}{8}$ " Dia. x 4" Long, 2" Mounting Center..... .40
No. L-110—2" Square x $4\frac{1}{4}$ " Long, $1\frac{1}{8}$ " Mounting Center......50

CHASSIS AND CABINETS



No. 150

Airplane Dial

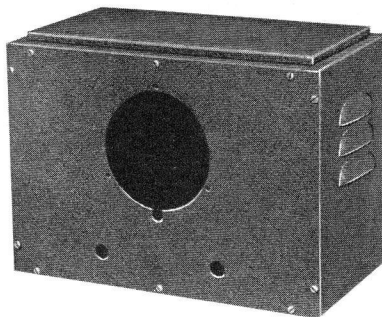
An attractive airplane type dial with beautiful escutcheon. Pointer rotates 270° for 180° condenser rotation. Drive ratio 4¾ to 1. Positive anti-backlash friction drive. Smooth operation.

List Price

No. 150 Airplane Dial.....\$3.75

CHASSIS AND CABINETS

All Miller Chassis are made of auto body steel and are cadmium plated. Holes are accurately punched and it is not necessary for the constructor to drill any holes. Most chassis are supplied with bottom plates which completely shield the units. Cabinets and front panels are finished in a special Kem-Art satin baked enamel.



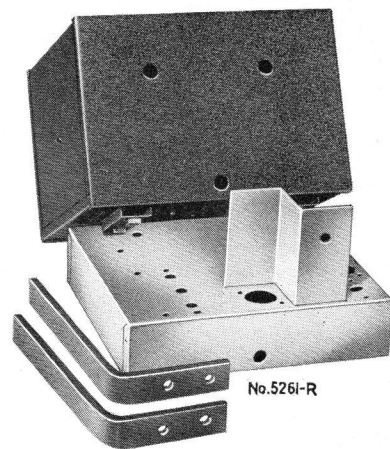
No. 302 Metal Cabinet

This attractive metal cabinet provided with hinged top and ventilating louvres will give a professional appearance to your Miller pre-selector. May also be used to house small receivers, monitors, etc. The front panel is removable and has been punched to fit our standard No. 150 dial. Dimensions 12" x 8¼" x 6½".

Supplied with blank panel if desired.

List Price

No. 302 Cabinet.....\$5.50



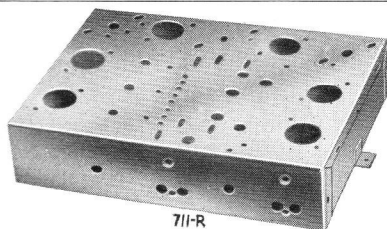
No. 5261-R

No. 5261 Auto Radio Chassis

A carefully designed and tested chassis and case for use with our No. 5261 or similar auto radio coil kit. Partitions and shields are provided for installation of either a vibrator type or motor generator type supply system. The angle mounting brackets are included. Dimensions 9½" x 6½" x 8½".

List Price

No. 5261-R Auto Radio Chassis.....\$6.00



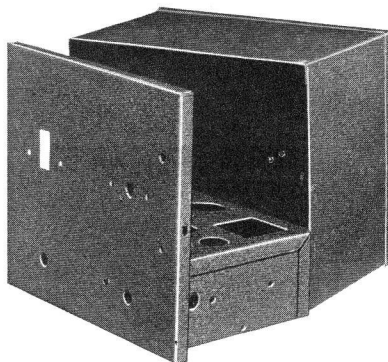
711-R

No. 711-R All-Wave Super Chassis

Designed for use with the Miller No. 711 All-Wave Coil Kit. This chassis has all the necessary holes punched and insures correct positioning of parts to obtain maximum performance. Dimensions 10½" x 2¾" x 7½".

List Price

No. 711-R.....\$2.50

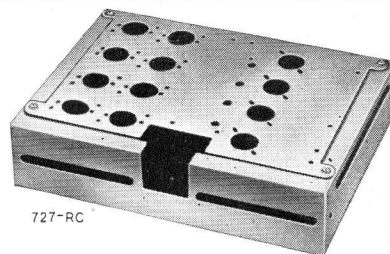


No. 350 Test Oscillator Cabinet and Chassis

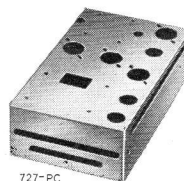
Either the Miller No. 350 or No. 550 test oscillator coils may be used with this chassis and cabinet to construct an efficient service oscillator. Dimensions 9½" x 8" x 6".

List Price

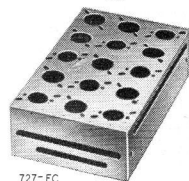
No. 350 Chassis and Cabinet.....\$3.50



727-RC



727-PC



727-FC

No. 727 Chassis

These chassis have been carefully laid out to provide space for the most elaborate type of communications receiver. Especially recommended for use with our "Select-Ur-Band" coils. The No. 727-RC tuner chassis provides for 2 stages of RF amplification and a single stage I.F. amplifier and second detector. Note that the chassis top may be removed to allow free access for wiring and assembly. The rubber mounting reduces microphonic tendencies. The No. 727-FC intermediate amplifier chassis has ample space to include crystal filter, beat frequency oscillator, noise silencer, AVC amplifier, and two stages of I.F. The No. 727-PC power chassis is for a push-pull audio with driver stage as well as the power supply. Unit type of construction makes these chassis extremely flexible in application.

List Price

No. 727-RC Tuner Chassis.....\$6.00

Dimensions 3" x 13½" x 9¾".

No. 727-FC Intermediate Amplifier

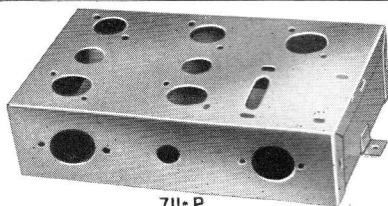
Chassis.....3.00

Dimensions 3" x 6" x 9¾".

No. 727-PC Power Amplifier

Chassis.....2.50

Dimensions 3" x 6" x 9¾".



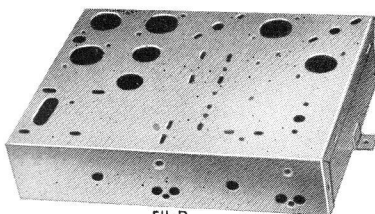
711-P

No. 711-P Power Chassis

To be used with the receiver chassis and has adequate space for addition of a beat frequency oscillator and push-pull output if desired. Dimensions 9½" x 2¾" x 5½".

List Price

No. 711-P.....\$1.75



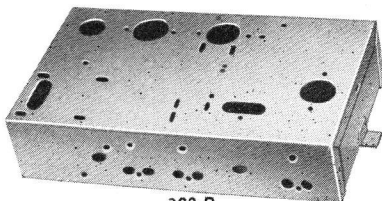
511-R

No. 511-R All-Wave Super Chassis

To obtain the utmost results from your receiver using the Miller 511 All-Wave Coil Kit we recommend that you use this chassis. Correct parts layout contribute much to the performance of any receiver. Dimensions 10½" x 2¼" x 7¾".

List Price

No. 511-R.....\$2.50



302-R

No. 302 Pre-Selector Chassis

Assemble your Miller Pre-Selector on this chassis, which has been laid out to provide maximum RF gain per stage. Dimensions 10½" x 2¼" x 6".

List Price

No. 302 Chassis.....\$2.00

CIRCUIT DIAGRAMS

A number of circuit diagrams are shown in the following pages of this catalog and are for use with the suggested coil combination kits listed. Large size blueprints are supplied with the kits or may be obtained separately at the cost of printing and mailing.

These circuit diagrams have all been drawn in the most simple, comprehensive manner and give values of resistors, condensers, etc., and the pictorial views of the coil connections are clearly shown. Even the inexperienced constructor should encounter no difficulty in reading these circuit diagrams.

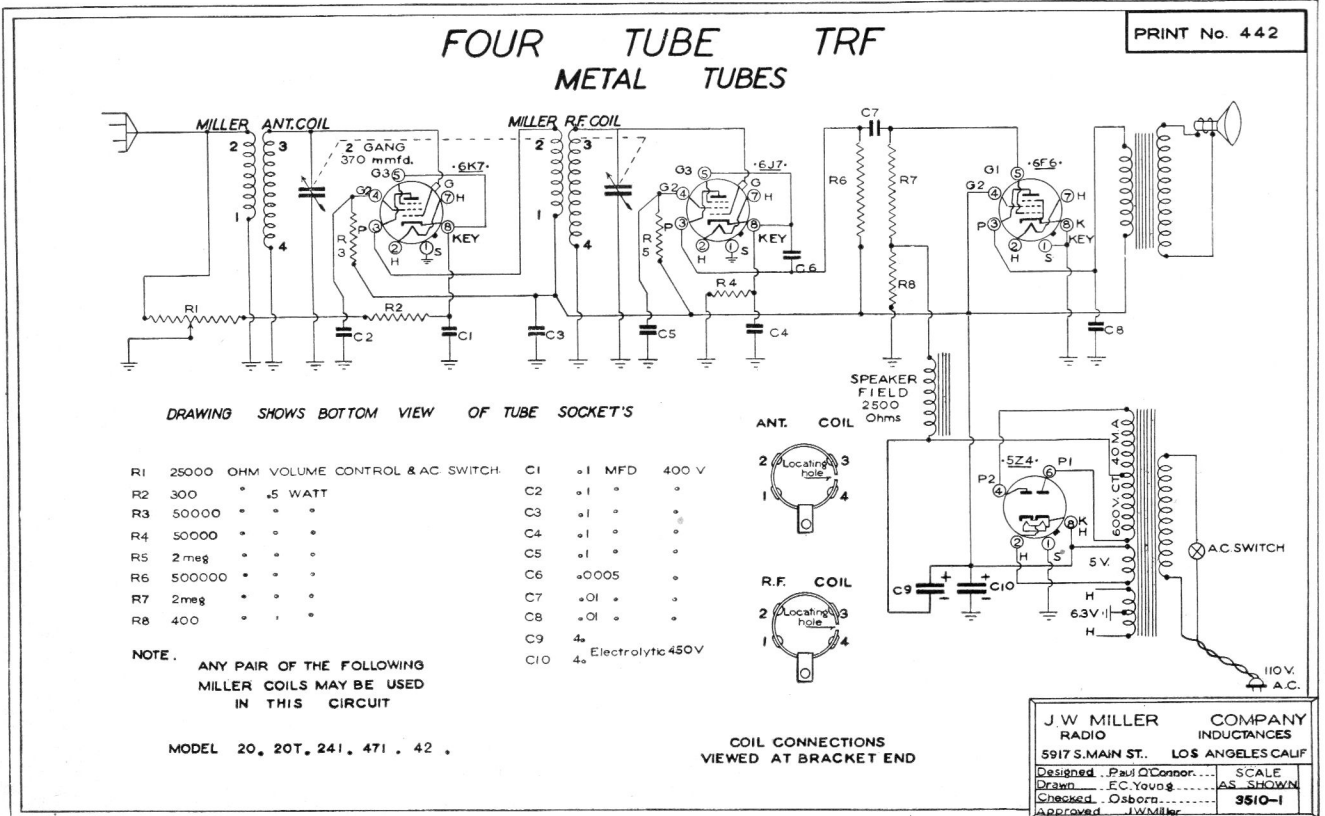
Many types of Miller Circuit Diagrams in addition to those shown in this catalog are available in large 10" x 16" blue prints at a list price of 25c each, some of which are included in the following list.

Print No.	Circuit
CD-215	Var. Selectivity I. F. Circuit
CD-301	All-Wave Converter Circuit
CD-302	All-Wave Pre-Selector Circuit
CD-310	Crystal Filter and Beat Frequency Oscillator Circuit

CD-320	Lamb Noise Silencer Circuit
CD-350	Model 350 Test Oscillator
CD-441	4-Tube Battery Super Circuit
CD-442	4-Tube TRF Circuit
CD-462	4-Tube Regen. 2 Band Super
CD-511	511 All-Wave Super Circuit
CD-527	5-Tube Super Circuit
CD-550	Model 550 Test Oscillator
CD-554	5-Tube AC-DC Super Circuit
CD-555	4-Tube Regen. AC-DC Super
CD-627	6-Tube 2 Band Aircraft Super
CD-680	6-Tube Super Circuit
CD-711	711 All-Wave Super Circuit
CD-711-B	711 All-Wave Battery Super
CD-711-M	711 All-Wave Metal Tube Super Circuit
CD-724	7-Tube Super Circuit
CD-727	All-Wave Tuner Circuit (Select-Ur-Band)
CD-727-A	I.F. & Audio Amplifier Circuit (Select-Ur-Band)

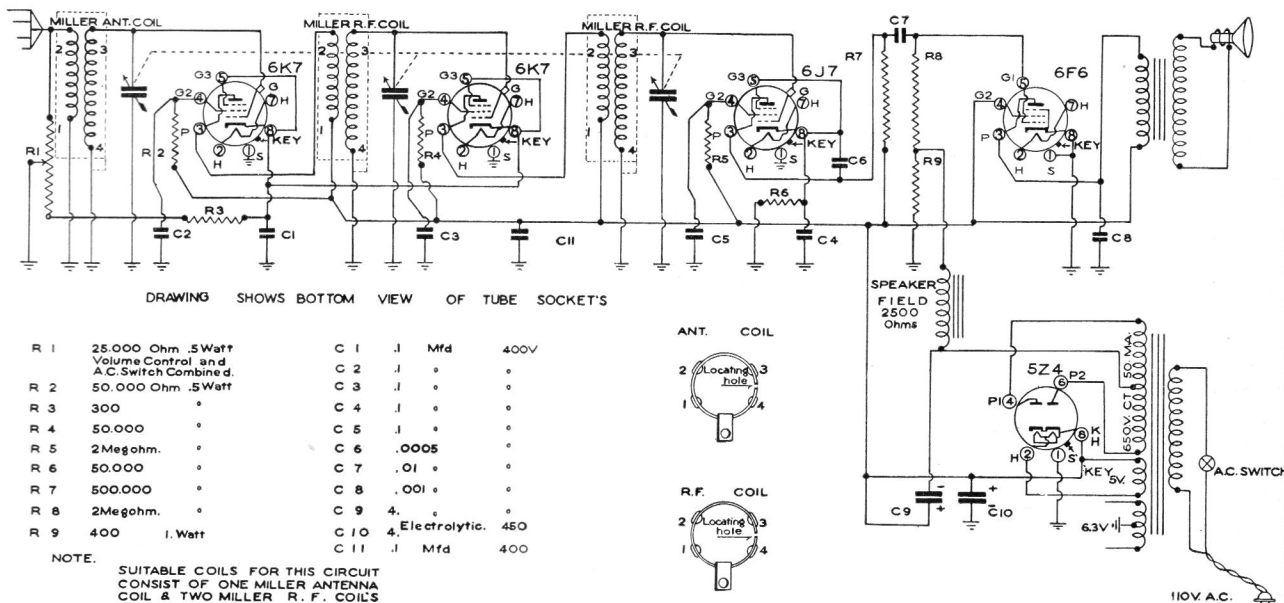
CD-727-C1	Select-Ur-Band Chassis Layout (Top View)
CD-727-C2	Select-Ur-Band Chassis Layout (Front View)
CD-727-C3	Select-Ur-Band Chassis Layout (Bottom View)
CD-727-PC	Select-Ur-Band Power Chassis Circuit and Layout
CD-747	7-Tube Battery Super Circuit
CD-761	7-Tube TRF Circuit
CD-824	8-Tube Super Circuit
CD-872	8-Tube TRF Circuit
CD-924	9-Tube Super Circuit
CD-1511	511 Long Wave Circuit
CD-5261	5-Tube Auto Super Circuit
CD-5261-VP	Auto Radio Vibrator Power Supply Circuit
CD-5262	8-Tube Super Circuit
CD-3995	5-Tube Skip-Band Super
CD-7622	Long Wave Aircraft Super
CD-EL560	High Fidelity TRF Tuner

ALL BLUE PRINTS LIST PRICE 25c



FIVE TUBE T.R.F. METAL TUBES

PRINT No. 527



DRAWING SHOWS BOTTOM VIEW OF TUBE SOCKETS

R 1	25,000 Ohm .5 Watt	C 1	.1 Mfd	400V
R 2	50,000 Ohm .5 Watt	C 2	.1	"
R 3	300	C 3	.1	"
R 4	50,000	C 4	.1	"
R 5	2 Megohm.	C 5	.1	"
R 6	50,000	C 6	.0005	"
R 7	500,000	C 7	.01	"
R 8	2 Megohm.	C 8	.001	"
R 9	400 1. Watt	C 9	4.	"
		C 10	4 Electrolytic.	450
		C 11	.1 Mfd	400

NOTE.

SUITABLE COILS FOR THIS CIRCUIT CONSIST OF ONE MILLER ANTENNA COIL & TWO MILLER R. F. COILS OF THE FOLLOWING MODEL Nos

A 727 242 472 5261.

ANT. COIL



R.F. COIL

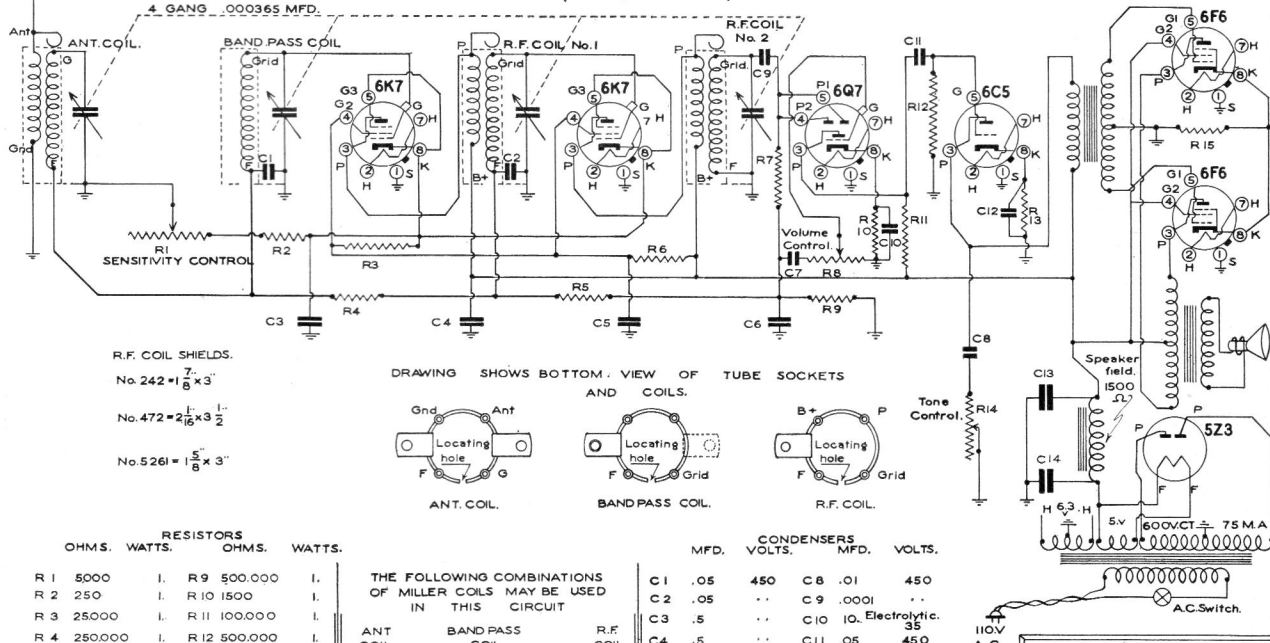


COIL CONNECTIONS
VIEWED AT BRACKET END

J. W. MILLER COMPANY
RADIO INDUCTANCES
5917 S. MAIN ST., LOS ANGELES, CALIF.
Designed Paul O'Connor SCALE
Drawn E. C. Young AS SHOWN
Checked O. Sporn
Approved J. W. Miller. 3511-2

SEVEN TUBE T.R.F. (R.F. BAND PASS)

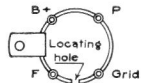
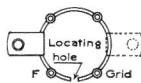
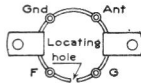
PRINT No. 761



R.F. COIL SHIELDS.

- No. 242 = $1 \frac{7}{8} \times 3$
- No. 472 = $2 \frac{1}{16} \times 3 \frac{1}{2}$
- No. 5261 = $1 \frac{5}{8} \times 3$

DRAWING SHOWS BOTTOM VIEW OF TUBE SOCKETS AND COILS.



ANT. COIL.

BAND PASS COIL.

R.F. COIL.

RESISTORS
OHMS. WATTS. OHMS. WATTS.

R 1	5000	I.	R 9	500,000	I.
R 2	250	I.	R 10	1500	I.
R 3	250,000	I.	R 11	100,000	I.
R 4	250,000	I.	R 12	500,000	I.
R 5	250,000	I.	R 13	1500	I.
R 6	20,000	I.	R 14	250,000	I.
R 7	100,000	I.	R 15	200	2.
R 8	500,000	I.			

THE FOLLOWING COMBINATIONS OF MILLER COILS MAY BE USED IN THIS CIRCUIT

ANT. COIL.	BAND PASS COIL.	R.F. COIL.
242	242	242
472	472	472
5261	5261	5261

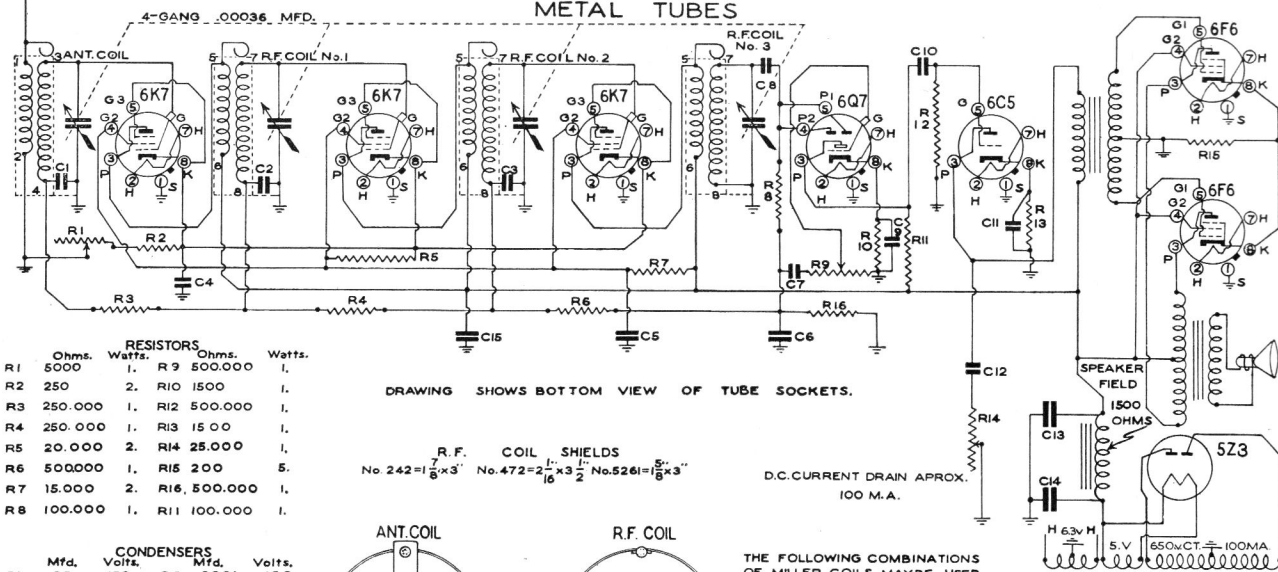
CONDENSERS
MFD. VOLTS. MFD. VOLTS.

C 1	.05	450	C 8	.01	450
C 2	.05	"	C 9	.0001	"
C 3	.5	"	C 10	10 Electrolytic.	35
C 4	.5	"	C 11	.05	450
C 5	.5	"	C 12	.25	"
C 6	.0005	"	C 13	8.	"
C 7	.05	"	C 14	8 Electrolytic.	"

J. W. MILLER COMPANY
RADIO INDUCTANCES
5917 S. MAIN ST., LOS ANGELES, CALIF.
Designed Paul O'Connor SCALE
Drawn E. C. Young AS SHOWN
Checked R. Hummes
Approved J. W. Miller. 3603-17

EIGHT TUBE T.R.F. METAL TUBES

PRINT No. 872



RESISTORS

R	Ohms.	Watts.	R	Ohms.	Watts.
R1	5000	1.	R9	500,000	1.
R2	250	2.	R10	1500	1.
R3	250,000	1.	R12	500,000	1.
R4	250,000	1.	R13	1500	1.
R5	20,000	2.	R14	25,000	1.
R6	500,000	1.	R15	200	5.
R7	15,000	2.	R16	500,000	1.
R8	100,000	1.	R11	100,000	1.

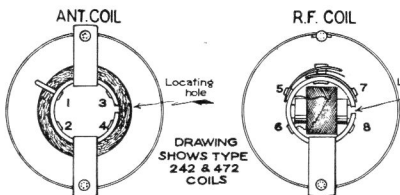
DRAWING SHOWS BOTTOM VIEW OF TUBE SOCKETS.

R.F. COIL SHIELDS
 No. 242 = 1 7/8" x 3" No. 472 = 2 1/16" x 3 1/2" No. 526 = 1 5/8" x 3"

D.C. CURRENT DRAIN APPROX. 100 M.A.

CONDENSERS

C	Mfd.	Volts.	C	Mfd.	Volts.
C1	.05	450	C8	.0001	450
C2	.05	**	C9	.25	**
C3	.05	**	C10	.05	**
C4	.5	**	C11	.25	**
C5	.5	**	C12	.01	**
C6	.0005	**	C13	B. Electrolytic	
C7	.05	**	C14	4. Paper 600	
C15	.5	**		Volt test	



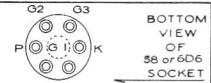
THE FOLLOWING COMBINATIONS OF MILLER COILS MAY BE USED IN THIS CIRCUIT

	ANT.	R.F.
	242	242
	472	472
	526	526

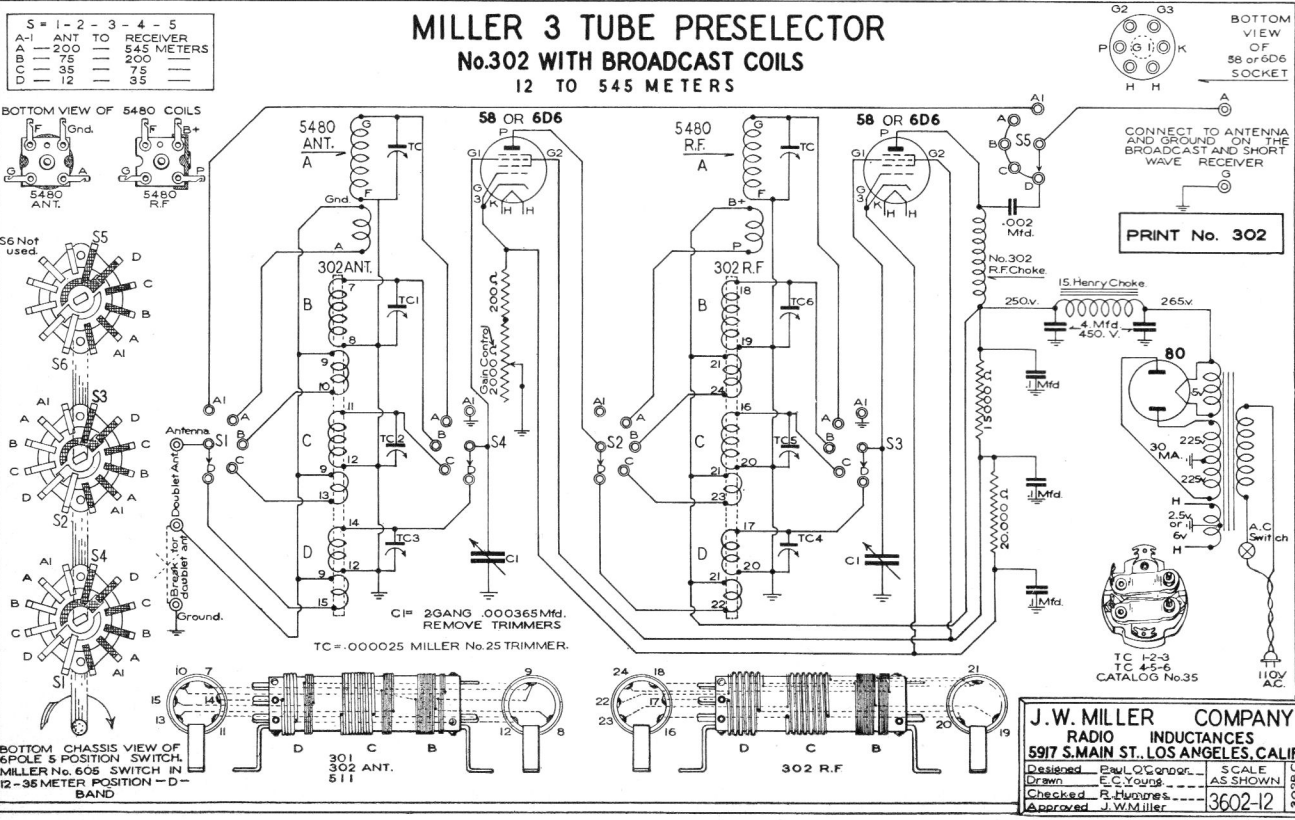
J. W. MILLER COMPANY
 RADIO INDUCTANCES
 5917 S. MAIN ST., LOS ANGELES, CALIF.

Designed Paul O'Connor... SCALE AS SHOWN
 Drawn E.C. Young...
 Checked R. Hummes...
 Approved J.W. Miller... 3511-6

MILLER 3 TUBE PRESELECTOR No. 302 WITH BROADCAST COILS 12 TO 545 METERS

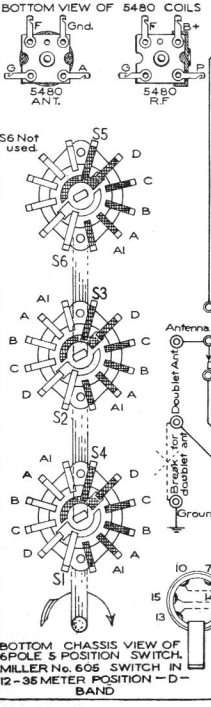


PRINT No. 302



S = 1 - 2 - 3 - 4 - 5

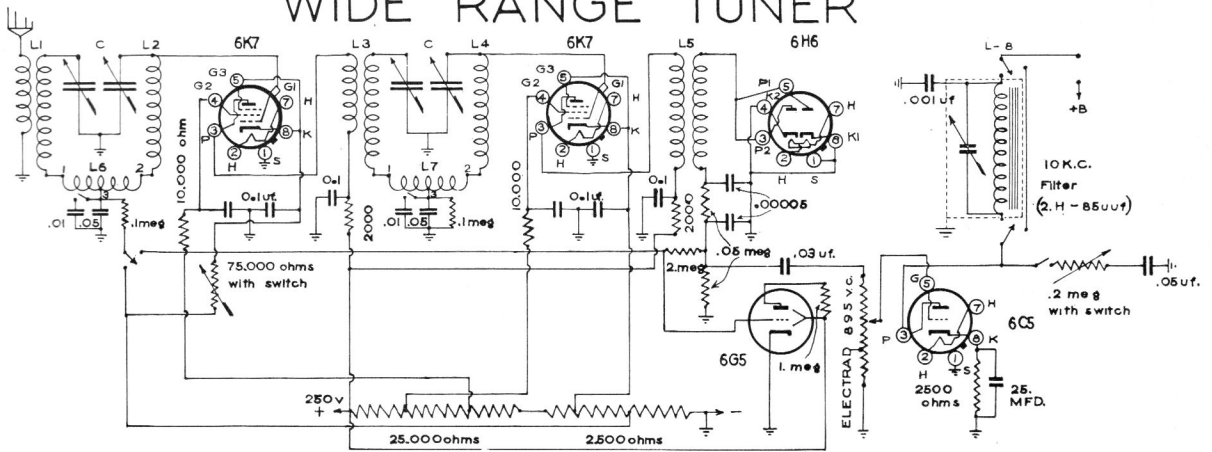
A-1 ANT TO RECEIVER	DIP SW	RECEIVER
200	545 METERS	
75	200	
35	75	
12	35	



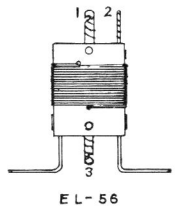
J. W. MILLER COMPANY
 RADIO INDUCTANCES
 5917 S. MAIN ST., LOS ANGELES, CALIF.

Designed Paul O'Connor... SCALE AS SHOWN
 Drawn E.C. Young...
 Checked R. Hummes...
 Approved J.W. Miller... 3602-12

WIDE RANGE TUNER



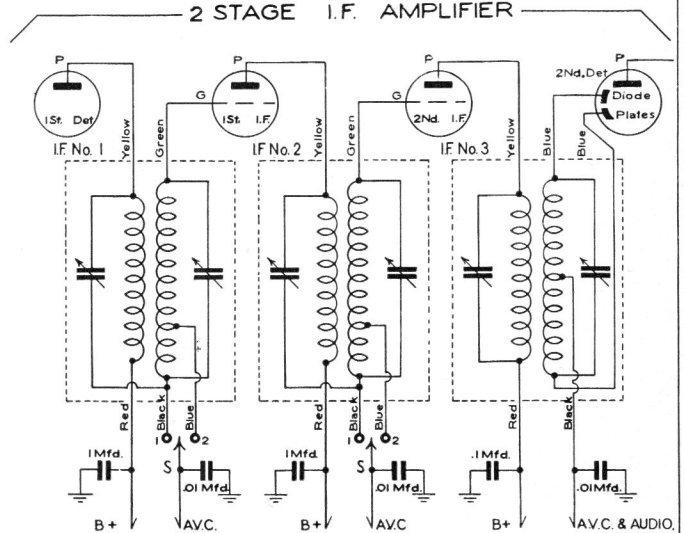
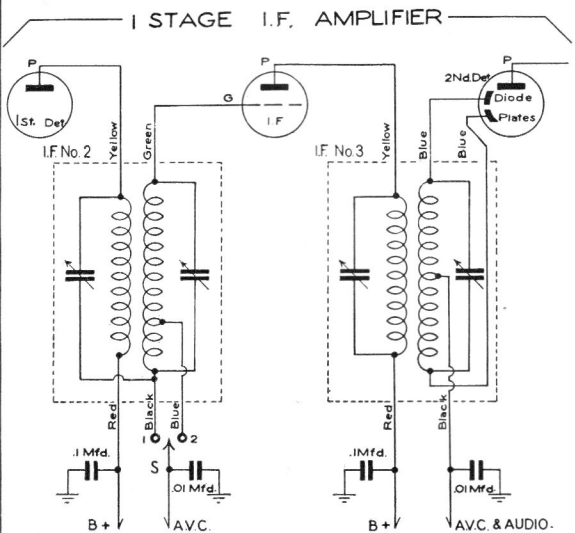
- C No. 2104 4 GANG VARIABLE CONDENSER.
- L1 472 A ANTENNA COIL
- L3 472 RF R.F. COIL
- L2- L4 472BP BAND PASS COILS
- L5 472UT UNTUNED R.F. COIL
- L6- L7 EL-56 NEGATIVE MUTUAL COILS
- L-8 EL-58 10K.C. AUDIO FILTER



J.W. MILLER COMPANY
 RADIO INDUCTANCES
 5917 S. MAIN ST., LOS ANGELES, CALIF.
 Designed: J.W. Miller
 Drawn: Paul O'Connell
 Checked: R.D. Holmes
 Approved: J.W. Miller
 3704-1

VARIABLE SELECTIVITY INTERMEDIATE FREQUENCY TRANSFORMERS

AVAILABLE IN ALL STANDARD TYPES AND FREQUENCIES



NOTE: WHEN ORDERING PLEASE USE THE PREFIX "F" BEFORE THE REGULAR CODE NUMBER. EXAMPLE, "F" No 512-C-2
 WHEN THE LEADS TO SWITCH CONTACTS 1 & 2 ARE OVER THREE INCHES LONG THEY SHOULD BE TWISTED TOGETHER AND CARE TAKEN TO SEE THAT THEY DO NOT COUPLE TO OTHER CIRCUITS CARRYING R.F. CURRENT

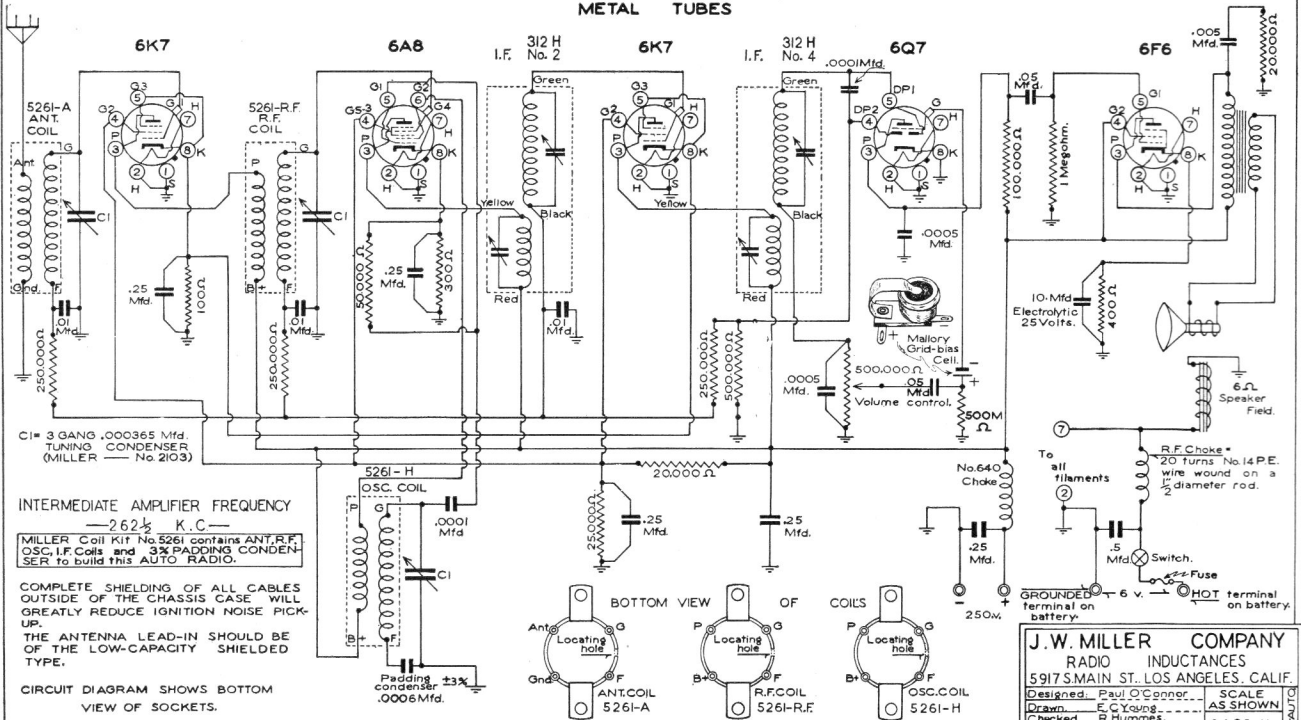
SWITCH = No. 1 SHARP
 S POSITIONS No. 2 BROAD (APPROX. TWICE BAND WIDTH OF NO. 1 POSITION)

J.W. MILLER COMPANY
 RADIO INDUCTANCES
 5917 S. MAIN ST., LOS ANGELES, CALIF.
 Designed: Paul O'Connell
 Drawn: E.C. Young
 Checked: R.D. Holmes
 Approved: J.W. Miller
 SCALE AS SHOWN
 3602-15

FIVE TUBE AUTO SUPERHETERODYNE

PRINT No. 5261

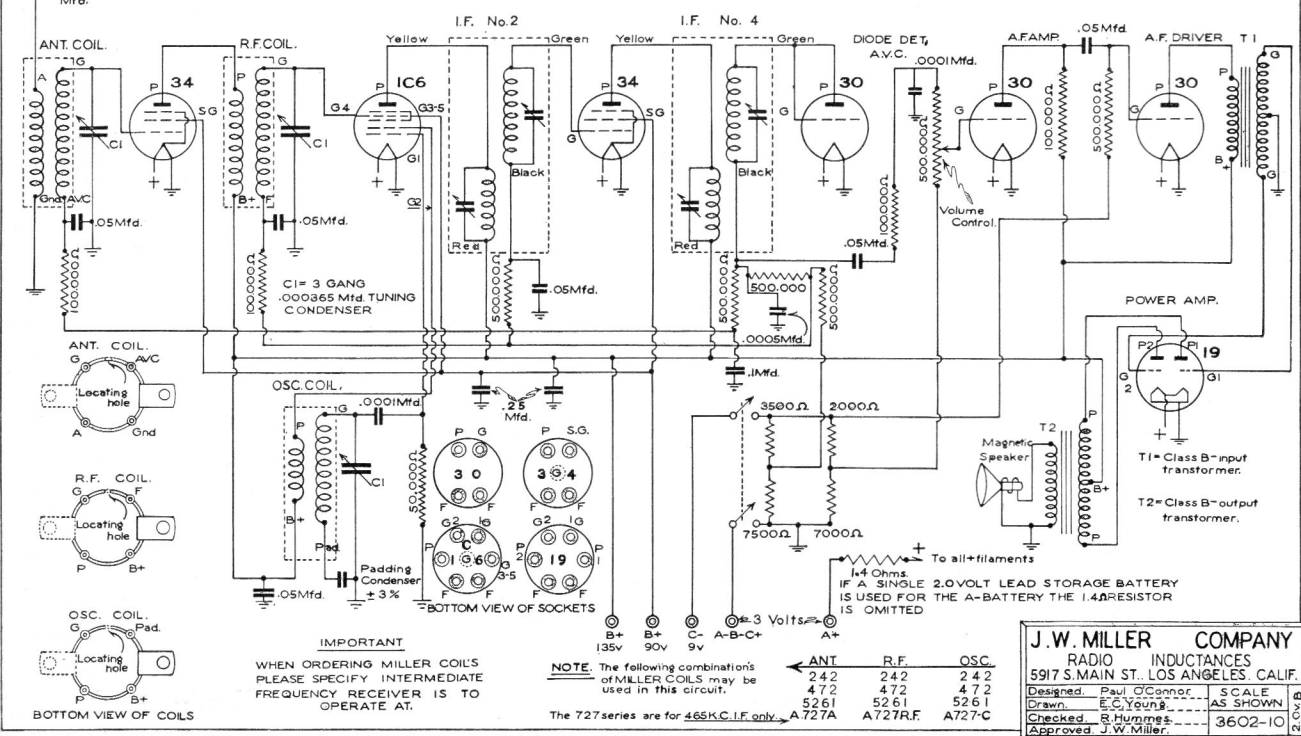
METAL TUBES



SEVEN TUBE BATTERY OPERATED SUPERHETERODYNE

PRINT No. 747

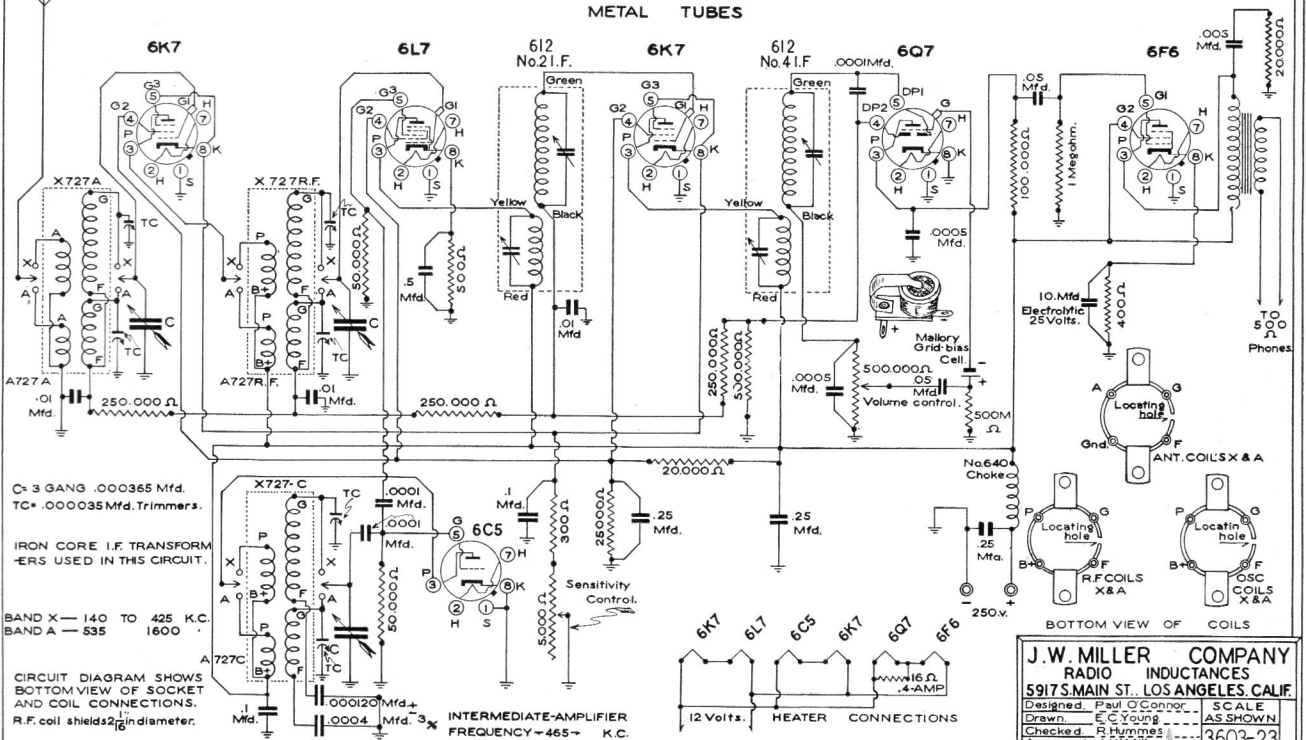
2.0-VOLT TUBES



AIRCRAFT SUPERHETERODYNE

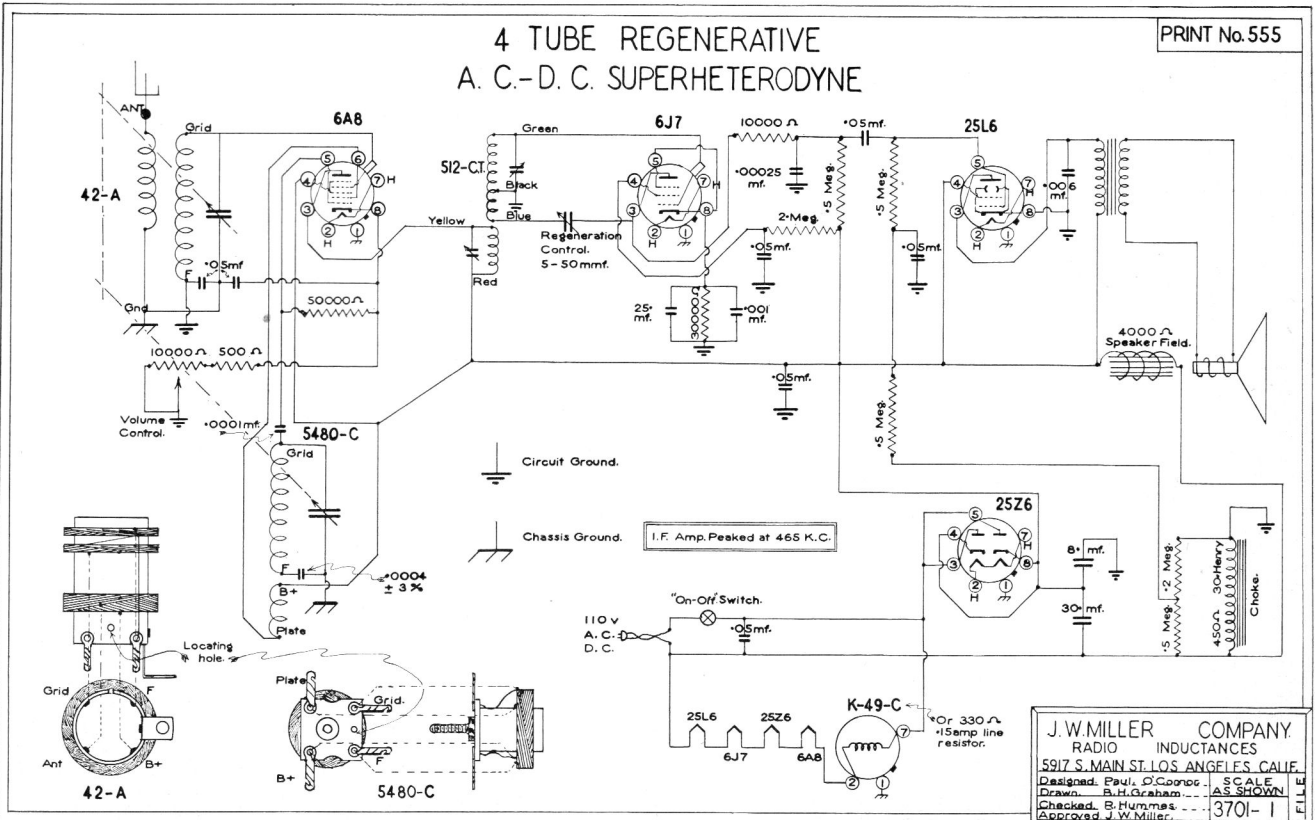
PRINT No. 627

METAL TUBES



4 TUBE REGENERATIVE A. C.-D. C. SUPERHETERODYNE

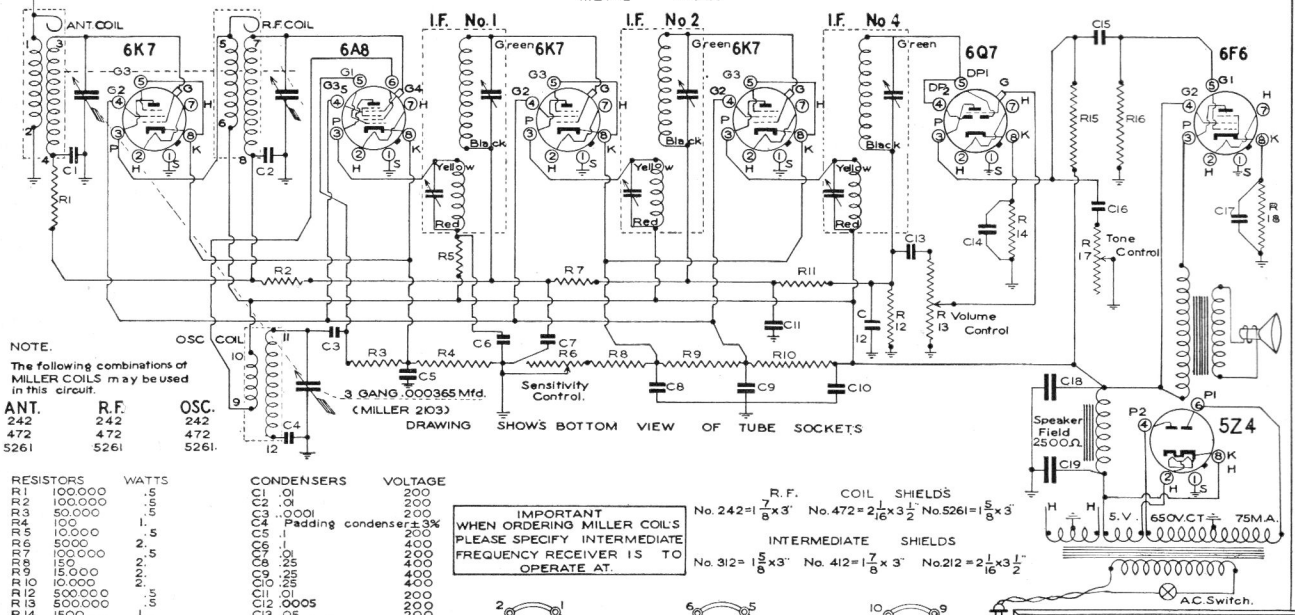
PRINT No. 555



SEVEN TUBE SUPERHETERODYNE

PRINT No. 724

METAL TUBES



NOTE:
The following combinations of MILLER COILS may be used in this circuit.

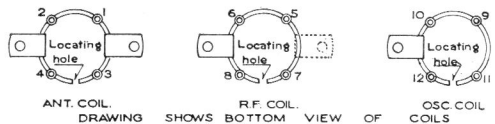
ANT.	R.F.	OSC.
242	242	242
472	472	472
5261	5261	5261

RESISTORS	WATTS	CONDENSERS	VOLTAGE
R1	100,000	.001	200
R2	100,000	.001	200
R3	50,000	.001	200
R4	100,000	.001	200
R5	100,000	.001	200
R6	50,000	.001	200
R7	150,000	.001	200
R8	150,000	.001	200
R9	150,000	.001	200
R10	50,000	.001	200
R11	50,000	.001	200
R12	50,000	.001	200
R13	50,000	.001	200
R14	50,000	.001	200
R15	50,000	.001	200
R16	50,000	.001	200
R17	50,000	.001	200
R18	50,000	.001	200
R19	1 Megohm	.001	200
R20	1 Megohm	.001	200

IMPORTANT WHEN ORDERING MILLER COILS PLEASE SPECIFY INTERMEDIATE FREQUENCY RECEIVER IS TO OPERATE AT.

R.F. COIL SHIELDS
No. 242 = 1 7/8" x 3" No. 472 = 2 1/8" x 3 1/2" No. 5261 = 1 5/8" x 3"

INTERMEDIATE SHIELDS
No. 312 = 1 5/8" x 3" No. 412 = 1 7/8" x 3" No. 212 = 2 1/8" x 3 1/2"

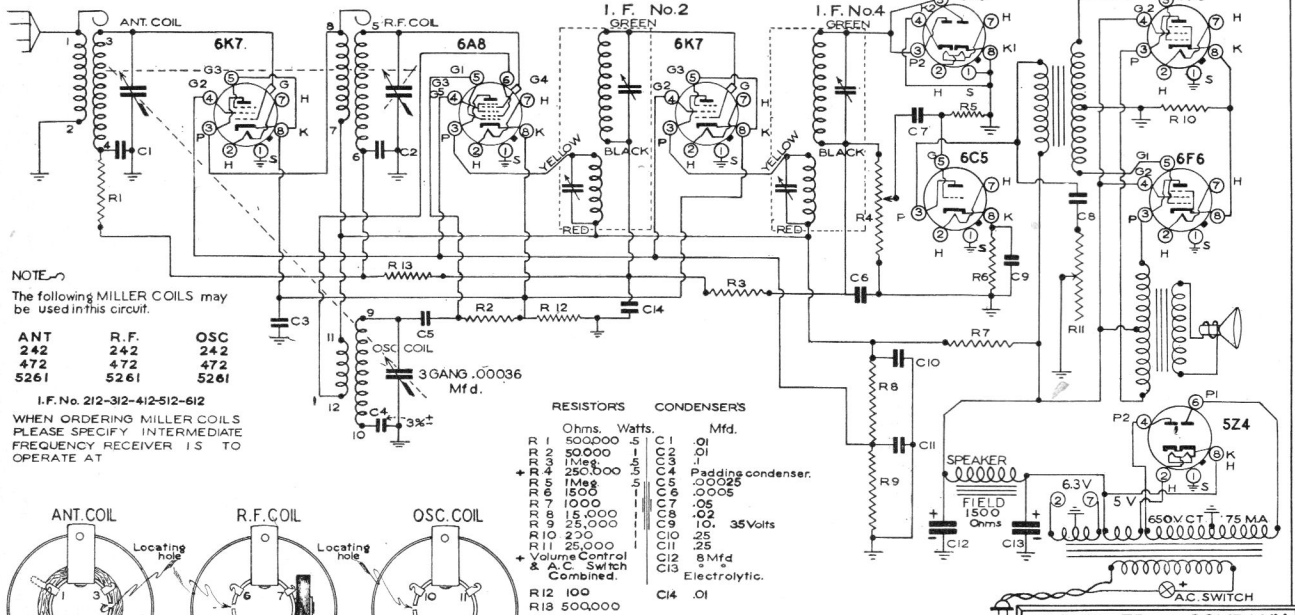


J. W. MILLER COMPANY
RADIO INDUCTANCES
5917 S. MAIN ST., LOS ANGELES, CALIF.
Designed: Paul O'Connor SCALE
Drawn: E.C. Young AS SHOWN
Checked: R. Hummel
Approved: J.W. Miller 3603-21

EIGHT TUBE SUPERHETERODYNE

PRINT No. 5262

METAL TUBES

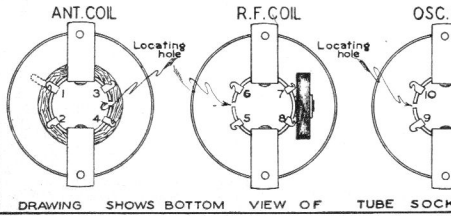


NOTE:
The following MILLER COILS may be used in this circuit.

ANT.	R.F.	OSC.
242	242	242
472	472	472
5261	5261	5261

I.F. No. 212-312-412-512-612
WHEN ORDERING MILLER COILS PLEASE SPECIFY INTERMEDIATE FREQUENCY RECEIVER IS TO OPERATE AT

RESISTORS	CONDENSERS
R1 50,000	.01 Mfd.
R2 50,000	.0025 Mfd.
R3 250,000	.0005 Mfd.
R4 1 Meg	.0005 Mfd.
R5 150,000	.0005 Mfd.
R6 100,000	.0005 Mfd.
R7 15,000	.0005 Mfd.
R8 25,000	.0005 Mfd.
R9 25,000	.0005 Mfd.
R10 25,000	.0005 Mfd.
R11 25,000	.0005 Mfd.
R12 100	.01 Mfd.
R13 100	.01 Mfd.
R14 50,000	.01 Mfd.



R.F. COIL SHIELDS
No. 242 = 1 7/8" x 3" No. 472 = 2 1/8" x 3 1/2" No. 5261 = 1 5/8" x 3"

INTERMEDIATE SHIELDS
No. 512 & No. 612 = 1 1/2" x 3 1/2"

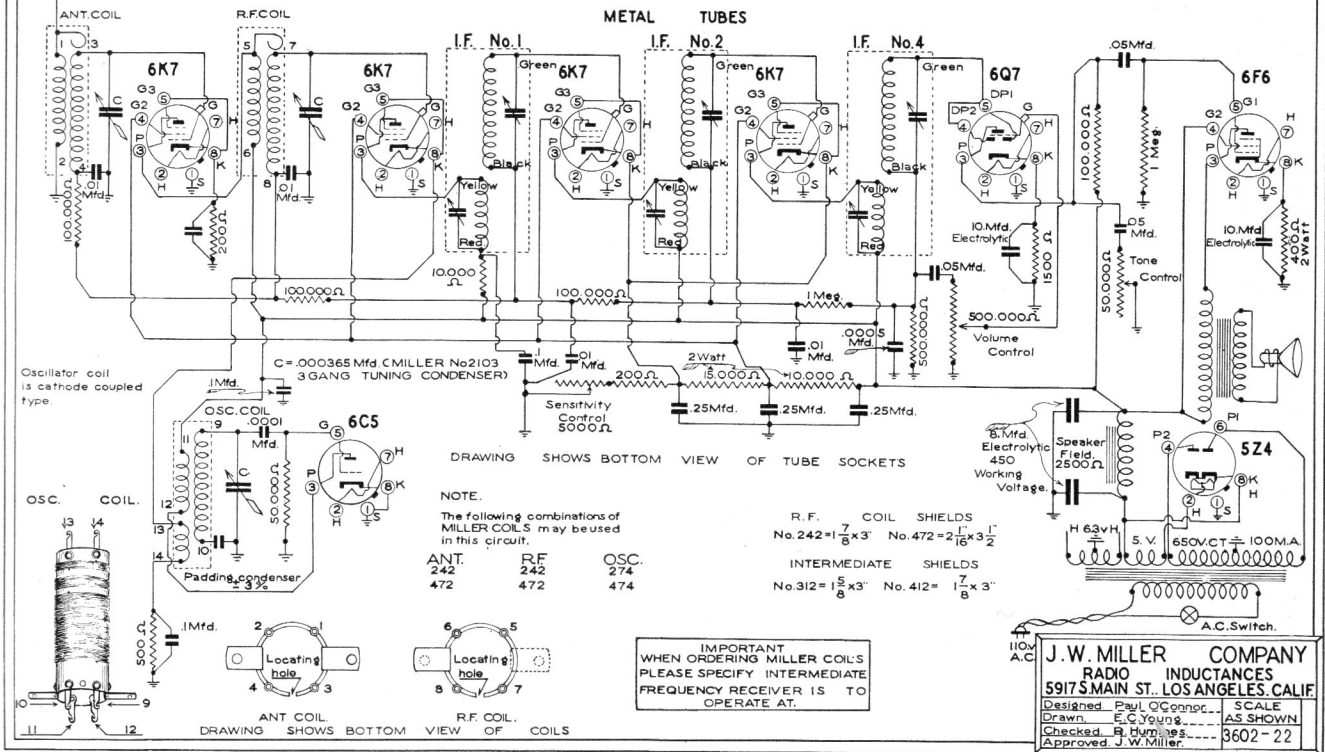
No. 312 = 1 5/8" x 3" No. 412 = 1 7/8" x 3" No. 212 = 2 1/8" x 3 1/2"

Oscillator secondary is long winding, pins 9 & 10

J. W. MILLER COMPANY
RADIO INDUCTANCES
5917 S. MAIN ST., LOS ANGELES, CALIF.
Designed: Paul O'Connor SCALE
Drawn: E.C. Young AS SHOWN
Checked: R. Hummel
Approved: J.W. Miller 3511-3

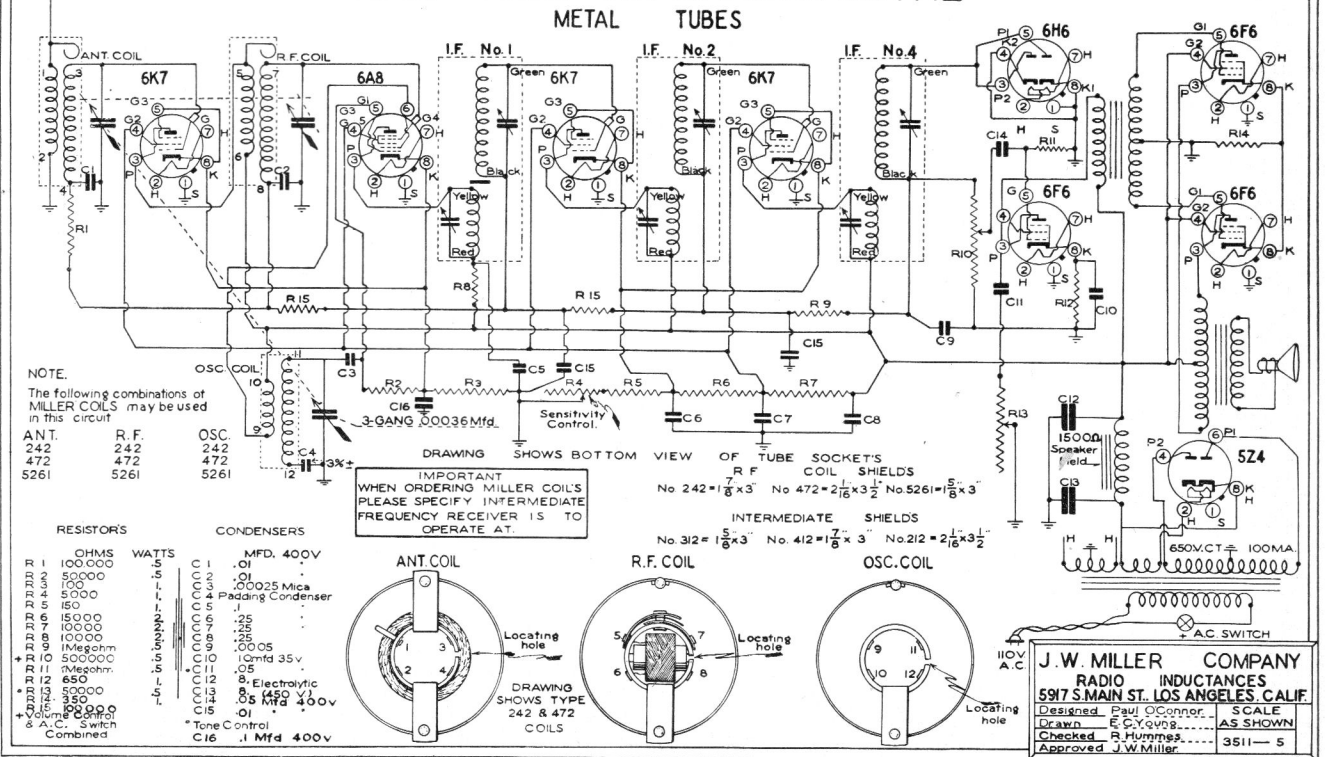
EIGHT TUBE SUPERHETERODYNE

PRINT No. 824



NINE TUBE SUPERHETERODYNE

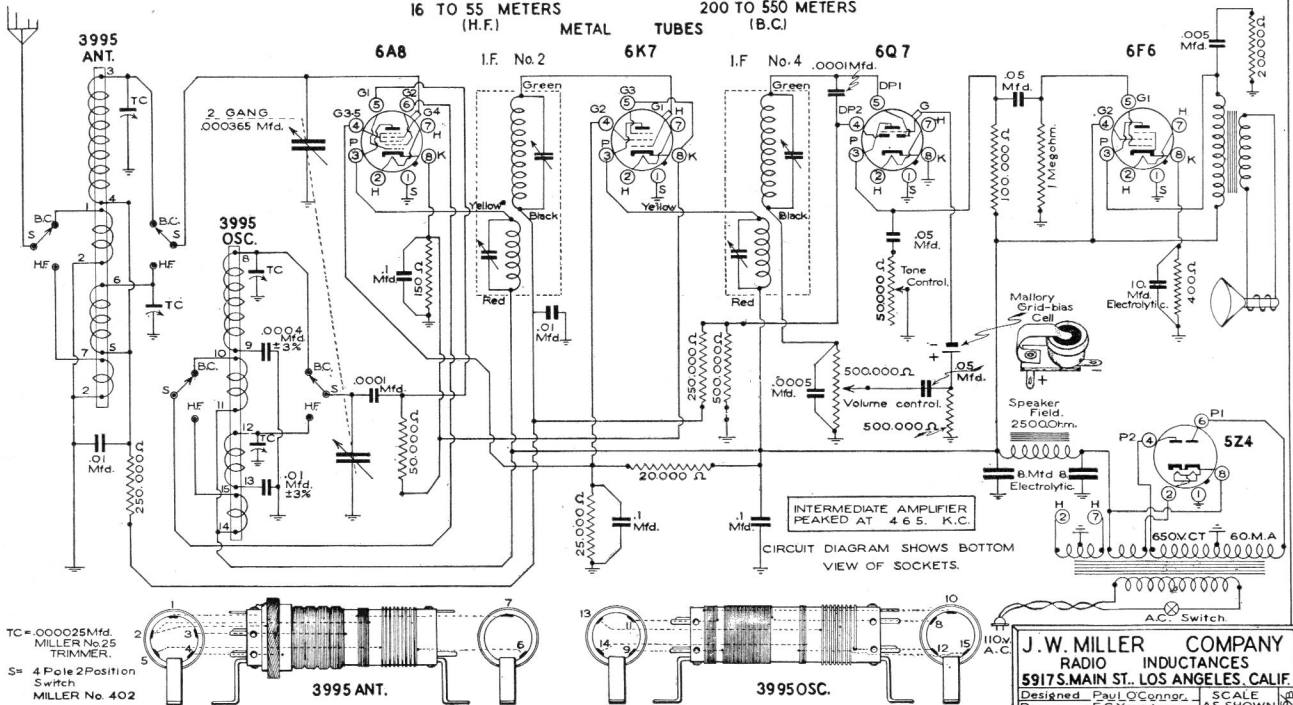
PRINT No. 924



FIVE TUBE SKIP SUPERHETERODYNE

PRINT No. 3995

16 TO 55 METERS (H.F.) METAL TUBES
200 TO 550 METERS (B.C.)



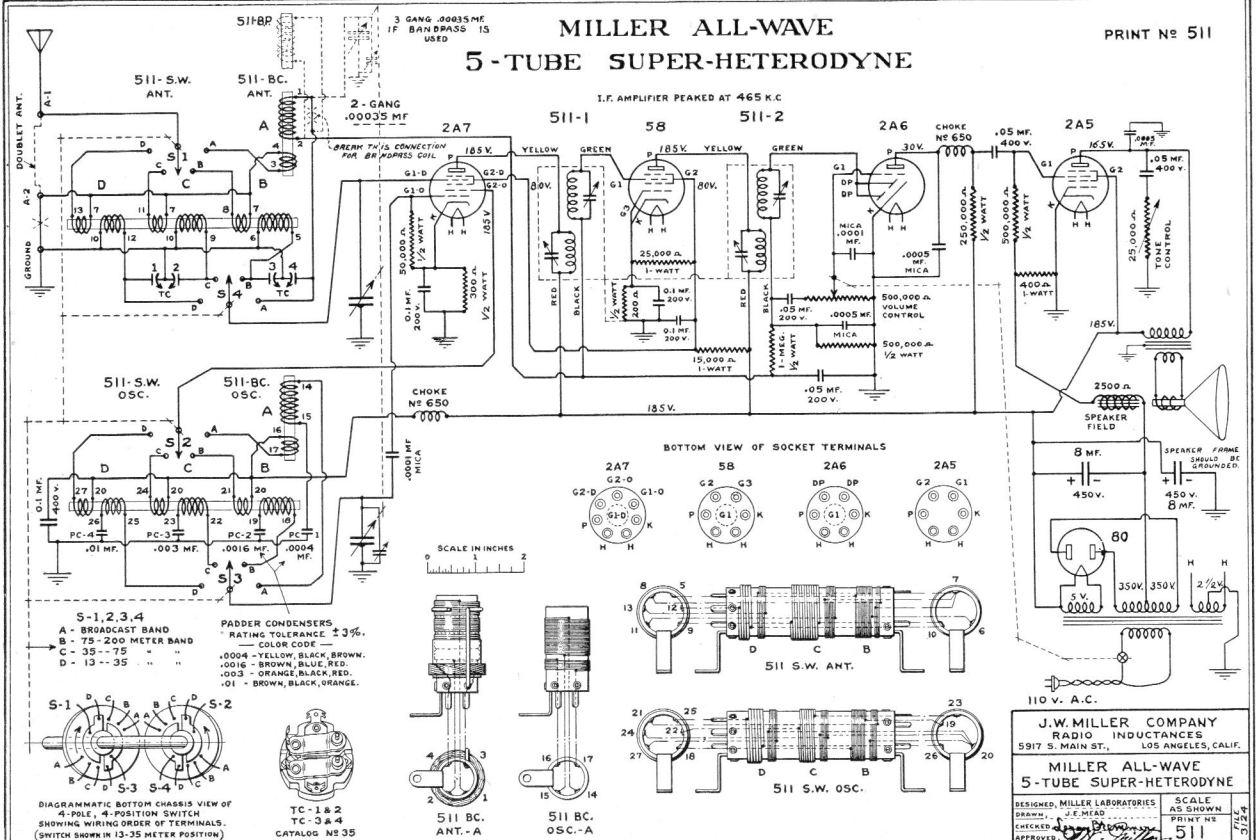
TC - .00025Mfd MILLER No 25 TRIMMER.
S^m = 4 Pole 2 Position Switch MILLER No. 402

J. W. MILLER COMPANY
RADIO INDUCTANCES
5917 S. MAIN ST., LOS ANGELES, CALIF.
DESIGNED PAUL G. CORNING SCALE AS SHOWN
DRAWN E. C. YOUNG AS SHOWN
CHECKED R. HUMPHREYS
APPROVED J. W. MILLER 3602-14

MILLER ALL-WAVE 5-TUBE SUPER-HETERODYNE

PRINT No 511

I.F. AMPLIFIER PEAKED AT 465 K.C.



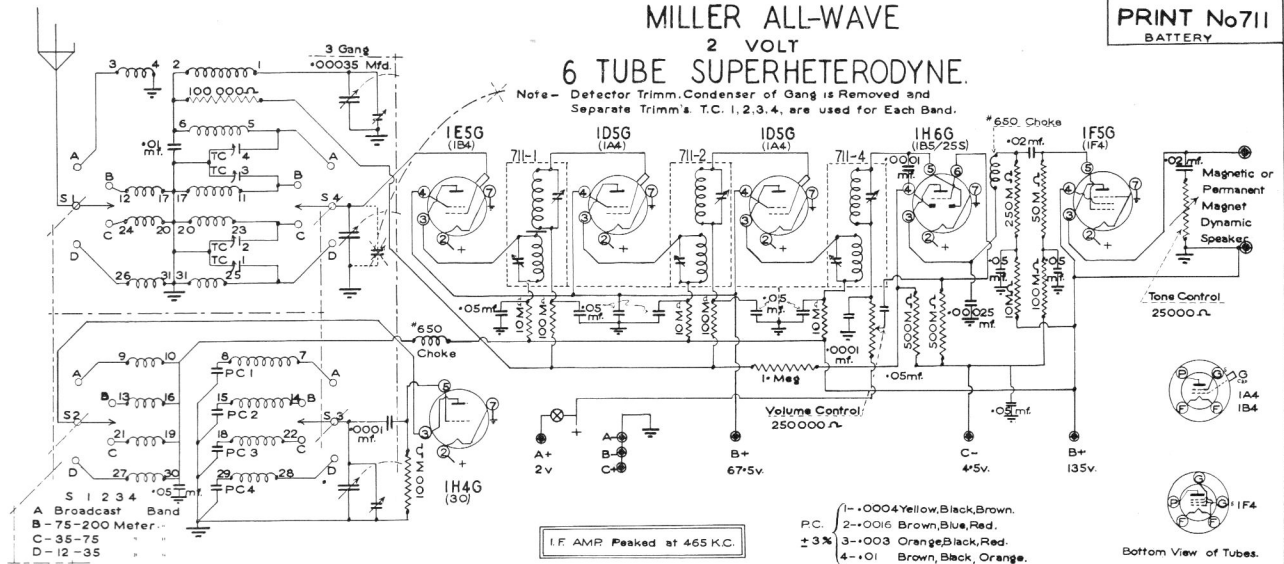
S-1, 2, 3, 4
A - BROADCAST BAND
B - 75-200 METER BAND
C - 35-75 " "
D - 13-35 " "
PADER CONDENSERS
RATING TOLERANCE ± 3%
COLOR CODE
.0004 - YELLOW, BLACK, BROWN.
.0016 - BROWN, BLUE, RED.
.003 - ORANGE, BLACK, RED.
.01 - BROWN, BLACK, ORANGE.

J. W. MILLER COMPANY
RADIO INDUCTANCES
5917 S. MAIN ST., LOS ANGELES, CALIF.
MILLER ALL-WAVE
5-TUBE SUPER-HETERODYNE
DESIGNED MILLER LABORATORIES SCALE AS SHOWN
DRAWN J. E. REED AS SHOWN
CHECKED J. W. MILLER
APPROVED J. W. MILLER 511

MILLER ALL-WAVE 2 VOLT 6 TUBE SUPERHETERODYNE.

PRINT No711
BATTERY

Note - Detector Trimm. Condenser of Gang is Removed and Separate Trimm's T.C. 1, 2, 3, 4, are used for Each Band.

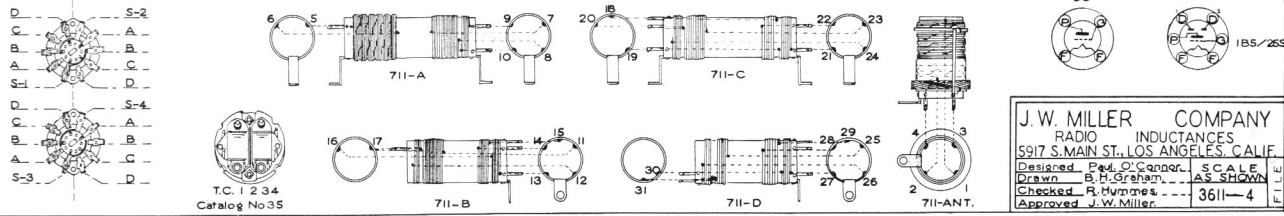


A - Broadcast Band
B - 75-200 Meter...
C - 35-75
D - 12-35

I.F. AMP Peaked at 465 KC.

PC: 1-.0004 Yellow, Black, Brown.
2-.0016 Brown, Blue, Red.
± 3% 3-.003 Orange, Black, Red.
4-.01 Brown, Black, Orange.

Bottom View of Tubes.



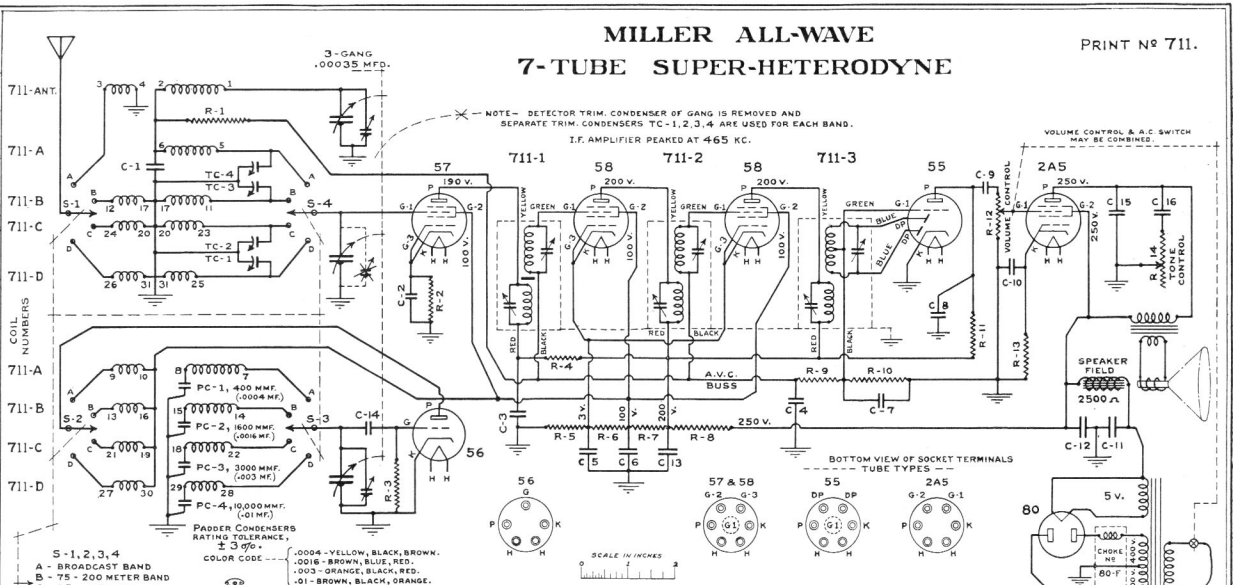
J. W. MILLER COMPANY
RADIO INDUSTRANCES
5917 S. MAIN ST., LOS ANGELES, CALIF.
Designed Paul O. Center, SCALE 1/4"
Drawn B. H. Graham, AS SHOWN
Checked R. Hummel, 3611-4
Approved J. W. Miller.

MILLER ALL-WAVE 7-TUBE SUPER-HETERODYNE

PRINT No 711.

NOTE - DETECTOR TRIM. CONDENSER OF GANG IS REMOVED AND SEPARATE TRIM. CONDENSERS TC-1, 2, 3, 4 ARE USED FOR EACH BAND.

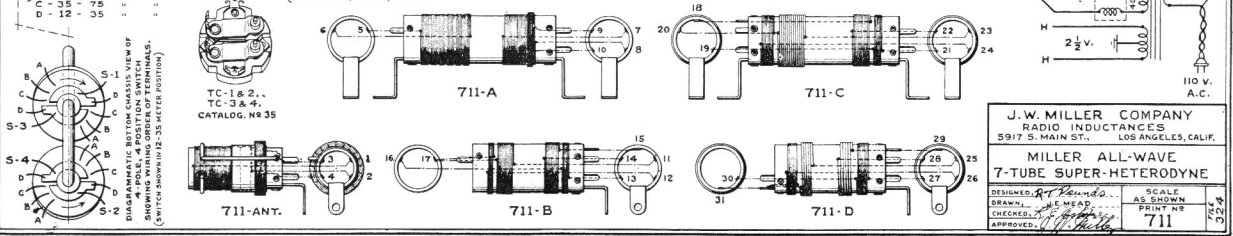
I.F. AMPLIFIER PEAKED AT 465 KC.



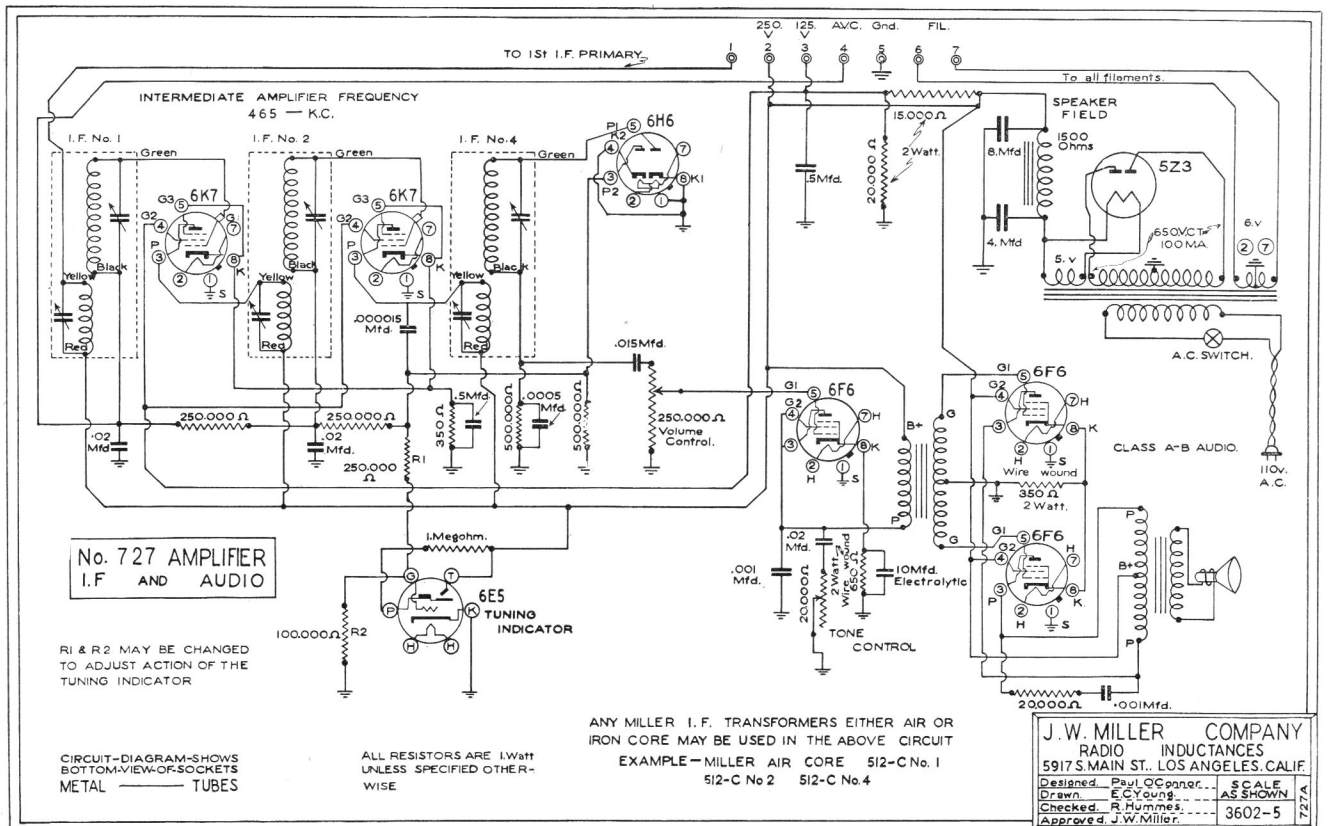
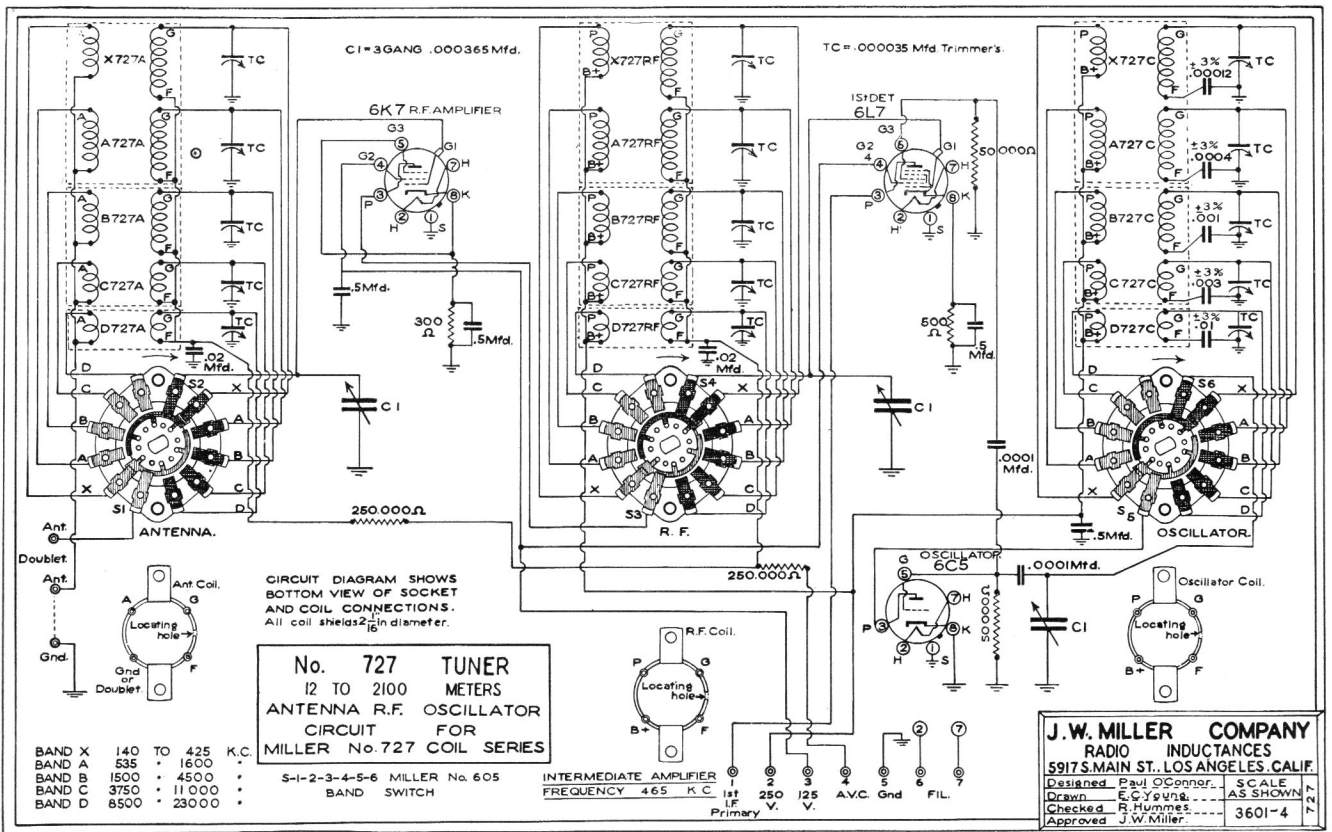
S-1, 2, 3, 4
A - BROADCAST BAND
B - 75 - 200 METER BAND
C - 35 - 75
D - 12 - 35

PADDER CONDENSERS RATING TOLERANCE, ± 3%
...0004 - YELLOW, BLACK, BROWN.
...0016 - BROWN, BLUE, RED.
...003 - ORANGE, BLACK, RED.
...01 - BROWN, BLACK, ORANGE.

BOTTOM VIEW OF SOCKET TERMINALS

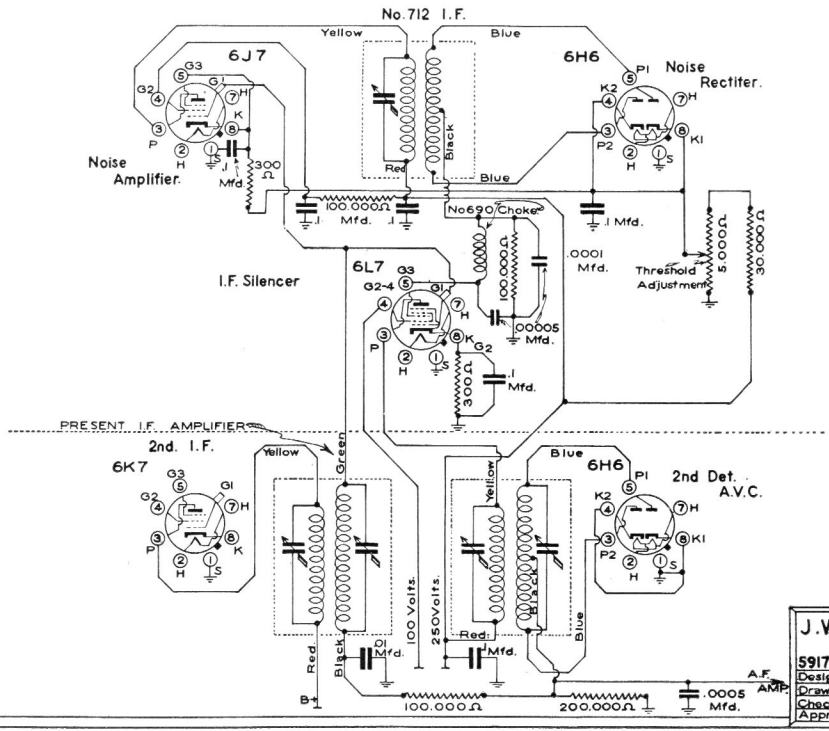


J. W. MILLER COMPANY
RADIO INDUSTRANCES
5917 S. MAIN ST., LOS ANGELES, CALIF.
MILLER ALL-WAVE
7-TUBE SUPER-HETERODYNE
DESIGNED Paul O. Center, SCALE 1/4"
DRAWN B. H. G. AS SHOWN
CHECKED R. H. H. PRINT NO 711
APPROVED J. W. M.



LAMB NOISE SILENCER

PRINT No. 320

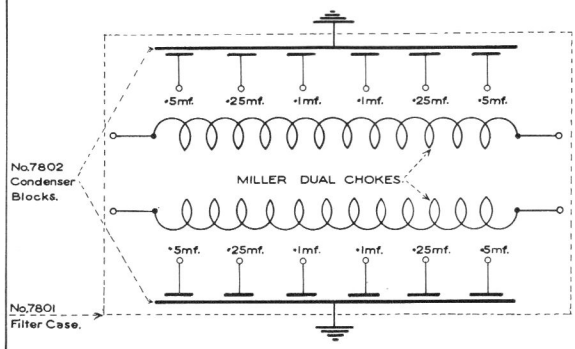


J.W. MILLER COMPANY
 RADIO INDUCTANCES
 5917 S. MAIN ST., LOS ANGELES, CALIF.
 Designed: Paul O'Connor SCALE
 Drawn: E.C. Young AS SHOWN
 Checked: R. Hummes
 Approved: J.W. Miller 3604-29

PRINT No. 7800.

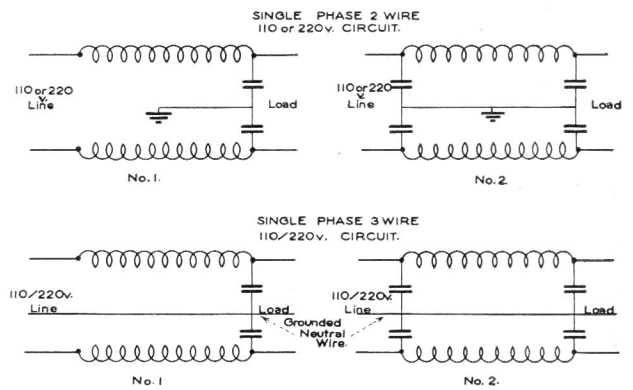
MILLER "UNI-FILTER"

SCHEMATIC DIAGRAM
MILLER "UNI-FILTER"



Do Not Use On Circuits Exceeding 220v. A.C.
 Do Not Exceed Current Rating Of Chokes.

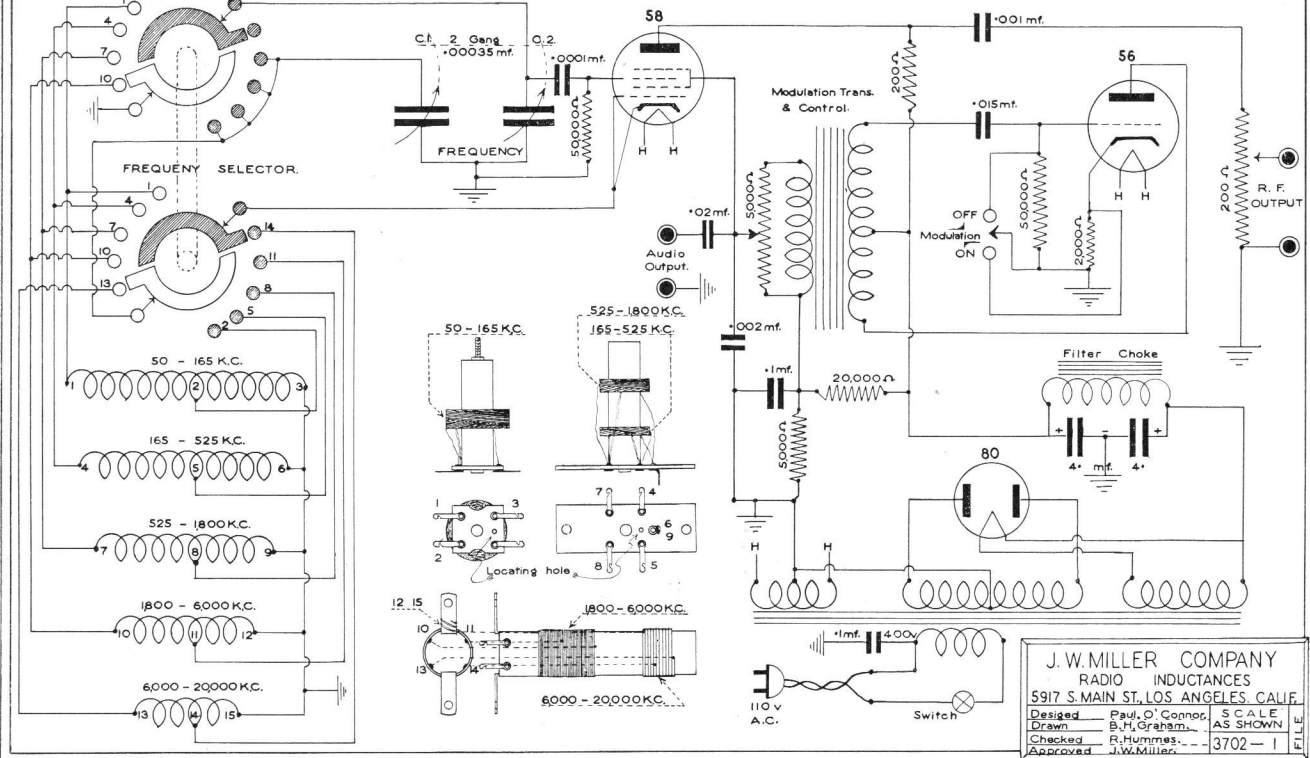
SUGGESTED CIRCUITS.



J.W. MILLER COMPANY
 RADIO INDUCTANCES
 5917 S. MAIN ST., LOS ANGELES, CALIF.
 Designed: Paul O'Connor SCALE
 Drawn: B.H. Graham AS SHOWN
 Checked: R. Hummes
 Approved: J.W. Miller 3702-4

MILLER ALL-WAVE OSCILLATOR No.550.

PRINT No.550

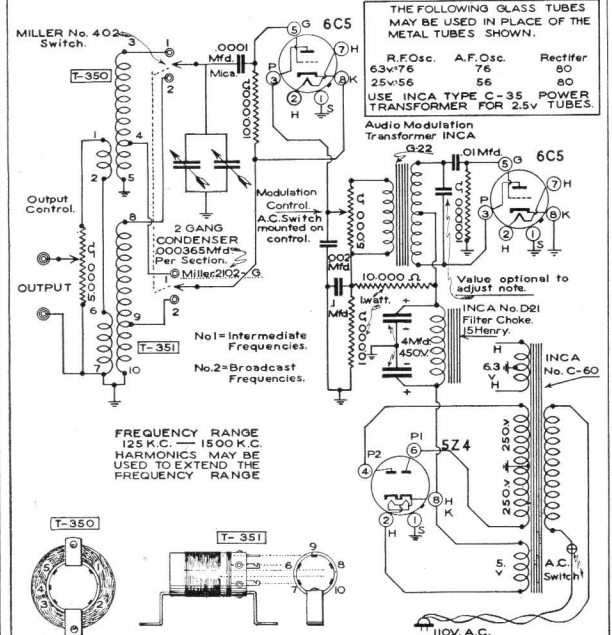


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 Drawn B.H.Graham
 Checked R.Hummes
 Approved J.W.Miller

SCALE AS SHOWN
 3702-1

MILLER TEST OSCILLATOR

PRINT No. 350



THE FOLLOWING GLASS TUBES MAY BE USED IN PLACE OF THE METAL TUBES SHOWN.

R.F.Osc.	A.F.Osc.	Rectifier
63v-76	76	80
25v-56	56	80

USE INCA TYPE C-35 POWER TRANSFORMER FOR 25V TUBES.

Audio Modulation Transformer INCA G22

INCA No. D21 Filter Choke. Battery

Value optional to adjust note.

FREQUENCY RANGE
 125 K.C. - 1500 K.C.
 HARMONICS MAY BE USED TO EXTEND THE FREQUENCY RANGE

No.1=Intermediate Frequencies.
 No.2=Broadcast Frequencies.

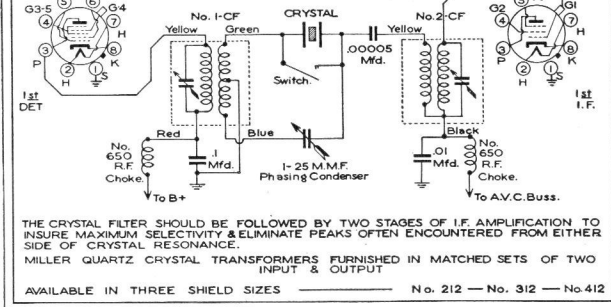
J.W.MILLER COMPANY
RADIO INDUCTANCES
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SCALE AS SHOWN
 3604-26

QUARTZ CRYSTAL FILTER

PRINT No. 315



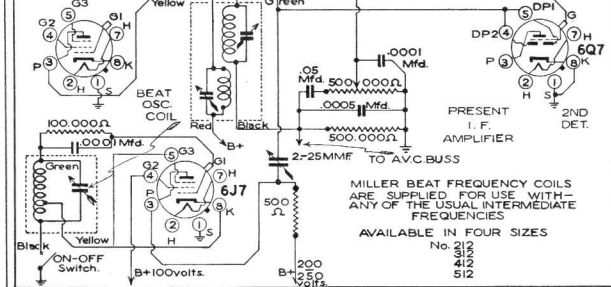
THE CRYSTAL FILTER SHOULD BE FOLLOWED BY TWO STAGES OF I.F. AMPLIFICATION TO INSURE MAXIMUM SELECTIVITY & ELIMINATE PEAKS OFTEN ENCOUNTERED FROM EITHER SIDE OF CRYSTAL RESONANCE.

MILLER QUARTZ CRYSTAL TRANSFORMERS FURNISHED IN MATCHED SETS OF TWO INPUT & OUTPUT

AVAILABLE IN THREE SHIELD SIZES No. 212 - No. 312 - No.412

BEAT FREQUENCY OSCILLATOR

PRINT No. 310



MILLER BEAT FREQUENCY COILS ARE SUPPLIED FOR USE WITH ANY OF THE USUAL INTERMEDIATE FREQUENCIES

AVAILABLE IN FOUR SIZES
 No. 213
 313
 413
 513

J.W.MILLER COMPANY
RADIO INDUCTANCES
 5917 S. MAIN ST. LOS ANGELES CALIF.

Designed Paul O'Connor
 Drawn E.C.Young
 Checked R.Hummes
 Approved J.W.Miller

SCALE AS SHOWN
 3604-25

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MA-4	Midget Trimmer Condenser	.80	14	CD-315	Crystal Filter Circuit Diagram	.25	16-28
C-14	Oscillator Coupling Condenser	.20	6	CD-320	Lamb Noise Silencer Circuit Diag.	.25	16-27
20-A	Broadcast Band Midget Ant. Coil	.25	2	350	Test Osc. Chassis and Cabinet	3.50	15
20-RF	Broadcast Band Midget RF Coil	.25	2	CD-350	Test Oscillator Circuit Diagram	.25	16-28
20-T-A	B.C. Band Midget Ant. Coil Tapped for 2400 KC Police	.30	2	T-350	Test Oscillator Coil	1.50	5
20-T-RF	B.C. Band Midget RF Coil Tapped for 2400 KC Police	.30	2	T-351	Test Oscillator Coil	.75	5
PP-A	Peter Pan Type Midget Ant. Coil	.30	2	402	4 Pole 2 Position Switch	1.00	7-14
PP-RF	Peter Pan Type Midget RF Coil	.30	2	404	4 Pole 4 Position Switch	1.60	6-7-14
S-21	2 1/8" Dia. x 3 1/2" Coil Shield	.35	14	405	4 Pole 5 Position Switch	1.75	14
S-31	1 5/8" Dia. x 3" Coil Shield	.20	14	412	Intermediate Frequency Trans.	1.60	6-7-9
35	Dual Trimmer Condenser	.50	6-7-14	412-5	Beat Frequency Oscillator Trans.	1.75	9
S-41	1 7/8" Dia. x 3" Coil Shield	.25	14	F-412	Variable Selectivity I.F. Trans.	2.00	8
42-A	Hi Gain Midget Antenna Coil	.70	2	412-CF	Crystal Filter Trans. Per Pr.	4.00	9
42-RF	Hi Gain Midget RF Coil	.70	2	420	Bakelite Terminal Plate	.20	13
44-A	4-Bank Litz Antenna Coil	.85	2	430	Bakelite Terminal Plate	.25	13
44-RF	4-Bank Litz RF Coil	.85	2	440	Bakelite Terminal Plate	.35	13
44BP	4-Bank Litz Band-Pass Coil	.75	2	CD-442	4-Tube TRF Circuit Diagram	.25	16
44-C	Oscillator Coil-465 KC I.F.	.75	2	450	Bakelite Terminal Plate	.30	13
44-H	Oscillator Coil-262 KC I.F.	.75	2	460	Fuse Mounting Strip	.20	13
S-51	1 1/2" Sq. x 3 1/2" Coil Shield	.25	14	461	Fuse Mounting Strip	.15	13
EL-56	Negative Mutual Coupling Coil	.55	5	472-A	B.C. Band Antenna Coil Shielded	.85	3
EL-58	10 KC Audio Filter	2.25	11	472-RF	B.C. Band RF Coil Shielded	.85	3
61	175 KC Bifilar I.F. Coil	.85	5	472-UT	B.C. Band Tuned RF Coil Shielded	1.50	3
70	Dual Trimmer Condenser	.50	14	472-D	B.C. Band Diode Detec. Coil Shld.	1.00	3
S-74	1 1/4" Dia. x 2" Coil Shield	.20	14	472-BP	B.C. Band Band-Pass Coil Shlded.	.80	3
80-F	Rectifier Plate Choke	1.00	6-10	474-K	175 KC I.F. B.C. Bd. Osc. Coil Shld.	.95	3
90	Dual Trimmer Condenser	.50	14	474-H	262 KC I.F. B.C. Bd. Osc. Coil Shld.	.95	3
100	Dual Trimmer Condenser	.50	14	474-C	465 KC I.F. B.C. Bd. Osc. Coil Shld.	.95	3
L-110	2" Sq. x 4 1/4" Coil Shield	.50	14	474-K	175 KC I.F. B.C. Bd. Osc. Coil Un.	.60	3
120-3D	Dual Trimmer Condenser	.50	14	474-H	262 KC I.F. B.C. Bd. Osc. Coil Un.	.60	3
M-124	Crosley Replacement I.F. Coil	1.25	13	474-C	465 KC I.F. B.C. Bd. Osc. Coil Un.	.60	3
125	Replacement Ant. Primary Coil	.25	13	477-M	132 KC I.F. B.C. Bd. Osc. Coil Shld.	.85	3
140	Dual Trimmer Condenser	.50	14	477-K	175 KC I.F. B.C. Bd. Osc. Coil Shld.	.85	3
150	Replacement Ant Primary Coil	.25	13	477-H	262 KC I.F. B.C. Bd. Osc. Coil Shld.	.85	3
150	Airplane Type Dial	3.75	15	477-C	465 KC I.F. B.C. Bd. Osc. Coil Shld.	.85	3
205	2 Pole 5 Position Switch	1.00	14	477-M	132 KC I.F. B.C. Bd. Osc. Coil Un.	.50	3
212	I.F. Transformer	1.65	9	477-K	175 KC I.F. B.C. Bd. Osc. Coil Un.	.50	3
212-5	Beat Frequency Osc. Transformer	1.75	9	477-H	262 KC I.F. B.C. Bd. Osc. Coil Un.	.50	3
F-212	Variable Select. I.F. Transformer	2.00	8	477-C	465 KC I.F. B.C. Bd. Osc. Coil Un.	.50	3
212-CF	Crystal Filter Transformers Per Pr.	4.00	9	480-M	132 KC I.F. B.C. Bd. Osc. Coil Shld.	.75	2-3
CD-215	Variable Selectivity I.F. Circuit	.25	16-19	480-K	175 KC I.F. B.C. Bd. Osc. Coil Shld.	.75	2-3
241-A	Bank-Wound Ant. Coil Unshielded	.70	2-6	480-H	262 KC I.F. B.C. Bd. Osc. Coil Shld.	.75	2-3
241-BP	Bank-Wound B.P. Coil Unshielded	.50	2	480-C	465 KC I.F. B.C. Bd. Osc. Coil Shld.	.75	2-3
241-RF	Bank-Wound RF Coil Unshielded	.70	2	480-M	132 KC I.F. B.C. Bd. Osc. Coil Un.	.50	3
242-A	Bank-Wound Ant. Coil Shielded	.90	2-6-7	480-K	175 KC I.F. B.C. Bd. Osc. Coil Un.	.50	3
242-BP	Bank-Wound B.P. Coil Shielded	.75	2	480-H	262 KC I.F. B.C. Bd. Osc. Coil Un.	.50	3
242-RF	Bank Wound RF Coil Shielded	.90	2-6-7	480-C	465 KC I.F. B.C. Bd. Osc. Coil Un.	.50	3
242-K	Oscillator Coil-175 KC I.F. Shielded	.75	6-7	511	All-Wave Super Coil Kit	12.00	7
250	Replacement Antenna Primary Coil	.25	13	511-BP	B.C. Band Band-Pass Coil	.50	7
274-K	175 KC I.F. B.C. Bd. Osc. Coil Shld.	.85	3	511-SW-A	3-Band 12-200 Meter Antenna Coil	1.75	4-7
274-H	262 KC I.F. B.C. Bd. Osc. Coil Shld.	.85	3	511-SW-RF	3-Band 12-200 Meter RF Coil	1.75	4
274-C	465 KC I.F. B.C. Bd. Osc. Coil Shld.	.85	3	511-SW-Osc.	3-Band 12-200 Meter Osc. Coil	1.75	4-7
274-K	175 KC I.F. B.C. Bd. Osc. Coil Un.	.60	3	511-R	Receiver Chassis	2.50	15
274-H	262 KC I.F. B.C. Bd. Osc. Coil Un.	.60	3	CD-511	5-Tube All-Wave Super Blue Print	.25	16-24
274-C	465 KC I.F. B.C. Bd. Osc. Coil Un.	.60	3	511-BC-A	B.C. Band Antenna Coil	.80	7
277-M	132 KC I.F. B.C. Bd. Osc. Coil Shld.	.75	2-3	511-BC-C	B.C. Band Osc. Coil-465 KC I.F.	.50	7
277-K	175 KC I.F. B.C. Bd. Osc. Coil Shld.	.75	2-3	511-1	465 KC I.F. Transformer	1.55	7
277-H	262 KC I.F. B.C. Bd. Osc. Coil Shld.	.75	2-3	511-2	465 KC I.F. Transformer	1.55	7
277-C	465 KC I.F. B.C. Bd. Osc. Coil Shld.	.75	2-3	512	Intermediate Frequency Trans.	1.50	6-7-9
277-M	132 KC I.F. B.C. Bd. Osc. Coil Un.	.50	2-3	F-512	Beat Frequency Oscillator Trans.	1.75	9
277-K	175 KC I.F. B.C. Bd. Osc. Coil Un.	.50	2-3	512-CF	Variable Selectivity I.F. Trans.	2.00	8
277-H	262 KC I.F. B.C. Bd. Osc. Coil Un.	.50	2-3	CD-527	Crystal Filter Transformers Per Pr.	4.00	9
277-C	465 KC I.F. B.C. Bd. Osc. Coil Un.	.50	2-3	T-550	5-Tube TRF Blue Print	.25	16-17
300	Replacement Ant. Primary Coil	.25	13	CD-550	All-Wave Test Oscillator Coils	3.75	5
302	Comp. Pre-Selector (12-200M) Net	24.00	7	CD-555	All-Wave Test Osc. Blue Print	.25	16-28
302	Comp. Pre-Selector (12-540M) Net	26.25	7	EL-560	4-Tube AC-DC Super Blue Print	.25	16-21
302	Comp. Pre-Selector (8-200M) Net	26.25	7	582	High Fidelity Tuner Blue Print	.25	16-19
302	Pre-Selector Coil Kit	8.00	7	582-UT	Economy Super Kit	3.50	6
302-SW-A	3-Band 12-200 Meter Ant. Coil	1.75	7	582-C	Untuned 465 KC I.F. Transformer	.75	6
302-SW-RF	3-Band 12-200 Meter RF Coil	1.75	7	605	Autodyne Osc. Coil-465 KC I.F.	.25	6
302	Pre-Selector Output Choke	.50	7	610	6 Pole 5 Position Switch	2.40	4-7-14
E-302-A	8-20 Meter Pre-Selector Ant. Coil	.75	7	612	RF Choke Unshielded	.25	11
E-302-RF	8-20 Meter Pre-Selector RF Coil	.75	7	612-5	Iron Core I.F. Transformer	2.00	9
302	Chassis for Pre-Selector	2.00	15	F-612	Iron Core Beat Freq. Osc. I.F. Trans.	2.25	9
302	Cabinet for Pre-Selector	5.50	15	F-612-CF	Iron Core Variable Selec. I.F. Trans.	2.50	8
CD-302	Pre-Selector Circuit Diagram	.25	16-18	620	Iron Core Crys. Filter Trans. Per Pr.	4.50	9
CD-310	Beat Frequency Osc. Circuit Diag.	.25	16-28	624-A	RF Choke Unshielded	.25	11
312	Intermediate Frequency Trans.	1.55	6-9	624-RF	Iron Core B.C. Band Antenna Coil	1.50	2
312-5	Beat Frequency Oscillator Trans.	1.75	9	624-C	Iron Core B.C. Band Osc. Coil 465 KC I.F.	1.50	2
F-312	Variable Selectivity I.F. Trans.	2.00	8	624-H	Iron Core B.C. Band Osc. Coil 262 KC I.F.	1.50	2
312-CF	Crystal Filter Transformers Per Pr.	4.00	9				

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CD-627	2-Band Aircraft Super Blue Print	.25	16-21	851	Iron Core RF Choke Shielded	.85	11
628	Engraved Bakelite Dial-2" Dia.	.80	14	852	Iron Core RF Choke Shielded	.90	11
629	Engraved Bakelite Dial-3" Dia.	.80	14	853	Iron Core RF Choke Shielded	.95	11
630	RF Choke Unshielded	.25	11	854	Iron Core RF Choke Shielded	1.00	11
640	RF Choke Unshielded	.30	11	855	Iron Core RF Choke Shielded	1.00	11
650	RF Choke Unshielded	.30	11	856	Iron Core RF Choke Shielded	1.05	11
660	RF Choke Unshielded	.35	11	857	Iron Core RF Choke Shielded	1.20	11
670	RF Choke Unshielded	.40	11	858	Iron Core RF Choke Shielded	1.35	11
680	RF Choke Unshielded	.40	11	859	Iron Core RF Choke Shielded	1.45	11
680	Broadcast Band Coil Kit	5.00	6	860	Iron Core RF Choke Shielded	1.85	11
690	RF Choke Unshielded	.45	11	861	Iron Core RF Choke Shielded	2.45	11
711	All-Wave Super Coil Kit	16.00	6	CD-872	8-Tube TRF Blue Print	.25	16-18
711-B	75-200 M. Osc.-Det. Coil-465 KC I.F.	1.25	6	912-Z	8000 KC Television I.F. Trans.	2.50	9
711-M	35-75 M. Osc.-Det. Coil-465 KC I.F.	1.50	6	924	B.C. Band 9-Tube Super Coil Kit	7.50	7
711-BC-Ant.	Broadcast Band Antenna Coil	.80	6	CD-924	9-Tube Super Blue Print	.25	16-23
711-BC-A	B.C. Band Osc.-Det. Coil-465 KC I.F.	1.75	6	951	Iron Core RF Choke	.65	11
711-B	75-200 M. Osc.-Det. Coil-465 KC I.F.	1.25	6	952	Iron Core RF Choke	.70	11
711-C	35-75 M. Osc.-Det. Coil-465 KC I.F.	1.50	6	953	Iron Core RF Choke	.75	11
711-D	12-35 M. Osc.-Det. Coil-465 KC I.F.	1.25	6	954	Iron Core RF Choke	.80	11
711-1	465 KC I.F. Transformer	1.60	6	955	Iron Core RF Choke	.85	11
711-2	465 KC I.F. Transformer	1.60	6	956	Iron Core RF Choke	.90	11
711-3	465 KC I.F. Transformer	1.60	6	957	Iron Core RF Choke	1.15	11
711-R	All-Wave Receiver Chassis	2.50	15	958	Iron Core RF Choke	1.25	11
711-P	All-Wave Power Chassis	1.75	15	959	Iron Core RF Choke	1.30	11
CD-711	All-Wave Super Blue Print	.25	16-25	960	Iron Core RF Choke	1.50	11
CD-711-B	All-Wave Battery Super Blue Print	.25	16-25	961	Iron Core RF Choke	1.65	11
712	Noise Silencer Output I.F. Trans.	1.50	8	1000	RF Choke Unshielded	.50	11
724	B.C. Band Super Coil Kit	7.50	6	1000-S	RF Choke Shielded	.65	11
CD-724	B.C. Band Super Blue Print	.25	16-22	1012	Air-Tuned I.F. Transformer	5.00	9
X-727-A	700-2100 Meter Antenna Coil	1.25	4	1012-5	Air-Tuned Beat Freq. Osc. Trans.	5.25	9
X-727-RF	700-2100 Meter RF Coil	1.25	4	F-1012	Air-Tuned Variable Selectivity I.F. Transformer	5.50	8-9
X-727-C	700-2100 Meter Osc. Coil-465 KC I.F.	1.25	4	1112	Air-Tuned Iron Core I.F. Trans.	5.50	9
X-727-M	700-2100 Meter Osc. Coil-132 KC I.F.	1.25	4	1112-5	Air-Tuned Iron Core Beat Freq. Osc. Transformer	5.75	9
A-727-A	190-560 Meter Antenna Coil	1.00	4	F-1112	Air-Tuned Iron Core Variable Selectivity Transformer	6.00	8-9
A-727-RF	190-560 Meter RF Coil	1.00	4	1510	Tie Points \$2.00 per C. Each	.02 1/2	13
A-727-C	190-560 Meter Osc. Coil-465 KC I.F.	1.00	4	1520	Tie Points \$2.65 per C. Each	.03	13
B-727-A	67-200 Meter Antenna Coil	1.00	4	1530	Tie Points \$4.15 per C. Each	.05	13
B-727-RF	67-200 Meter RF Coil	1.00	4	1540	Tie Points \$5.30 per C. Each	.06	13
B-727-C	67-200 Meter Osc. Coil-465 KC I.F.	1.00	4	1550	Tie Points \$6.00 per C. Each	.07	13
C-727-A	27-80 Meter Antenna Coil	1.00	4	1601	Unmounted Honeycomb Coil	1.30	5
C-727-RF	27-80 Meter RF Coil	1.00	4	1602	Unmounted Honeycomb Coil	1.40	5
C-727-C	27-80 Meter Osc. Coil-465 KC I.F.	1.00	4	1603	Unmounted Honeycomb Coil	1.60	5
D-727-A	13-35 Meter Antenna Coil	1.00	4	1604	Unmounted Honeycomb Coil	1.70	5
D-727-RF	13-35 Meter RF Coil	1.00	4	1605	Unmounted Honeycomb Coil	1.90	5
D-727-C	13-35 Meter Osc. Coil-465 KC I.F.	1.00	4	1606	Unmounted Honeycomb Coil	2.30	5
E-727-A	8-24 Meter Antenna Coil	1.00	4	1607	Unmounted Honeycomb Coil	2.60	5
E-727-RF	8-24 Meter RF Coil	1.00	4	1608	Unmounted Honeycomb Coil	2.90	5
E-727-C	8-24 Meter Osc. Coil-465 KC I.F.	1.00	4	1609	Unmounted Honeycomb Coil	3.20	5
S-727-A	16-51 Meter Antenna Coil	1.00	4	1610	Unmounted Honeycomb Coil	3.80	5
S-727-RF	16-51 Meter RF Coil	1.00	4	1611	Unmounted Honeycomb Coil	4.40	5
S-727-C	16-51 Meter Osc. Coil-465 KC I.F.	1.00	4	1612	Unmounted Honeycomb Coil	5.00	5
CD-727	All-Wave Super Tuner Blue Print	.25	16-26	2102	2-Gang Variable Condenser	2.50	14
CD-727-A	I.F. Amplifier and Audio Blue Print	.25	16-26	2102-G	2-Gang Geared Var. Cond.	2.75	14
727-RC	All-Wave Tuner Chassis	6.00	15	2103	3-Gang Variable Condenser	3.75	14
727-FC	I.F. Amplifier Chassis	3.00	15	2104	4-Gang Variable Condenser	5.00	14
727-PC	Audio and Power Chassis	2.50	15	2517-A	1700 KC Antenna Unit	1.50	5
L-727	2 1/8" Dia. x 4" Coil Shield	.40	4-14	2517-RF	1700 KC RF Unit	1.50	5
S-727	2 1/8" x 2 1/2" Coil Shield	.25	4-14	2517-C	1700 KC Osc. Unit-465 KC I.F.	1.50	5
730	2 1/4" Bakelite Dial Pointer	.15	14	2524-A	2400 KC Antenna Unit	1.50	5
731	1 1/4" Bakelite Dial Pointer	.12	14	2524-RF	2400 KC RF Unit	1.50	5
CD-747	7-Tube Battery Super Blue Print	.25	16-20	2524-C	2400 KC Osc. Unit- 465 KC I.F.	1.50	5
751	Shielded RF Choke	.60	11	3691	Heavy Duty UHF RF Choke	.75	10
752	Shielded RF Choke	.65	11	3692	Heavy Duty UHF RF Choke	.75	10
753	Shielded RF Choke	.70	11	3693	Heavy Duty Diathermy RF Choke	1.25	10
754	Shielded RF Choke	.75	11	3694	Heavy Duty Diathermy RF Choke	1.50	10
755	Shielded RF Choke	.80	11	3995	Skip-Band Super Coil Kit	8.00	7
756	Shielded RF Choke	.85	11	3995-A	Skip-Band Antenna Coil	1.75	4-7
757	Shielded RF Choke	1.05	11	3995-C	Skip-Band Osc. Coil-465 KC I.F.	1.25	4-7
758	Shielded RF Choke	1.15	11	CD-3995	Skip-Band Super Blue Print	.25	16-24
CD-761	7-Tube TRF Blue Print	.25	16-17	4528	Resistor Type UHF RF Choke	.45	10
806	8 Pole 6 Position Switch	3.20	4-14	4529	Resistor Type UHF RF Choke	.45	10
812-X-1	425-525 KC Wave Trap	1.50	8	4531	Resistor Type RF Choke	.65	10
812-X-2	225-375 KC Wave Trap	1.50	8	4532	Resistor Type RF Choke	.65	10
812-X-3	150-225 KC Wave Trap	1.50	8	4533	Heavy Duty Navy Type RF Choke	1.75	10
812-BC-1	1200-1600 KC Wave Trap	1.50	8	4534	Heavy Duty Navy Type RF Choke	1.60	10
812-BC-2	800-1200 KC Wave Trap	1.50	8	4535	Heavy Duty Navy Type RF Choke	1.60	10
812-BC-3	500-800 KC Wave Trap	1.50	8	4536	Heavy Duty Navy Type RF Choke	2.00	10
812-A	160 Meter Wave Trap	1.50	8	4537	Resistor Type RF Choke	.65	10
812-B	80 Meter Wave Trap	1.50	8	4538	Resistor Type RF Choke	.80	10
812-C	40 Meter Wave Trap	1.50	8	4539	Resistor Type RF Choke	.85	10
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4546	Hi Inductance RF Choke	3.45	10	7267	Radiola I.F. Replacement Winding	1.00	13
4547	Hi Inductance RF Choke	3.80	10	7468-ABP	150-430 KC Antenna-Bd.-Pass Coil	1.50	5
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4575	Majestic I.F. Replacement Winding	1.00	13	7817	Electric Shaver Filter	1.25	12
4576	Majestic I.F. Replacement Winding	.80	13	7818	2 Amp. Line Filter	4.00	12
4577	Majestic I.F. Replacement Winding	1.00	13	7819	5 Amp. Uni-Filter	15.50	12
4579	Majestic I.F. Replacement Winding	.80	13	7820	10 Amp. Uni-Filter	16.75	12
4580	Majestic I.F. Replacement Winding	.80	13	7821	20 Amp. Uni-Filter	17.75	12
4581	Majestic I.F. Replacement Winding	.80	13	7822	30 Amp. Uni-Filter	19.25	12
4583	Majestic I.F. Replacement Winding	1.00	13	7825	2 Amp. Line Filter Choke	1.00	12
4584	Majestic I.F. Replacement Winding	.80	13	7826	5-Amp. Line Filter Choke	2.50	12
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Most of the Miller Quality Products listed in this catalog are carried in our Chicago and New York Warehouse Stock. Items not in these warehouses will be shipped direct from our main Warehouse and Factory in Los Angeles.

All orders for stock items are shipped the same day that the order is received.

If no instructions are given merchandise will be shipped the most economical way.



