TRANSFORMERS
For Electronic Equipment

FOR PROMPT, SATISFACTORY RESULTS . . . BRING YOUR TRANSFORMERS PROBLEMS TO GE

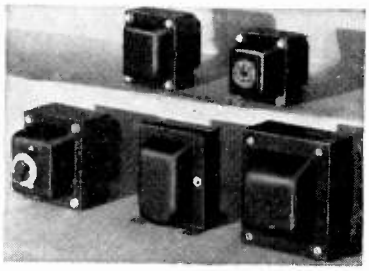
Plate
Filament
Plate and Filament
Filter Reactors
Pulse
Audio
Vertical Output
Deflection Yokes
Focus Coils

in

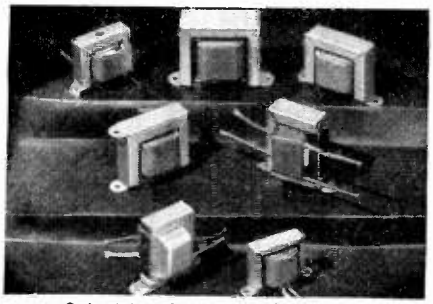
Core-and-coil
Permafil
Compound-filled
and Hermetic
Construction

for

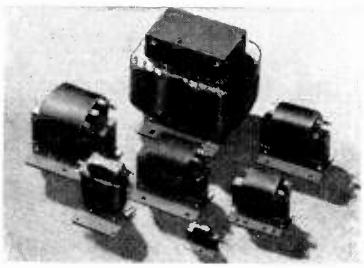
Radio
Radar
Television
and Similar Equipment,
Both Receiver and
Transmitter



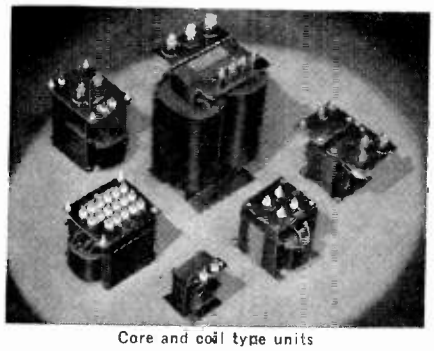
Radio receiver power transformer



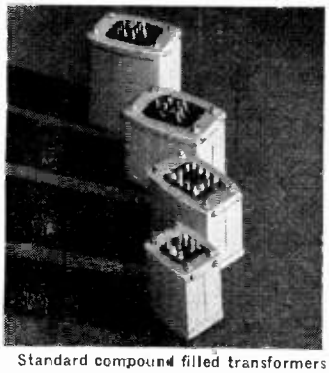
Output transformers and filter chokes



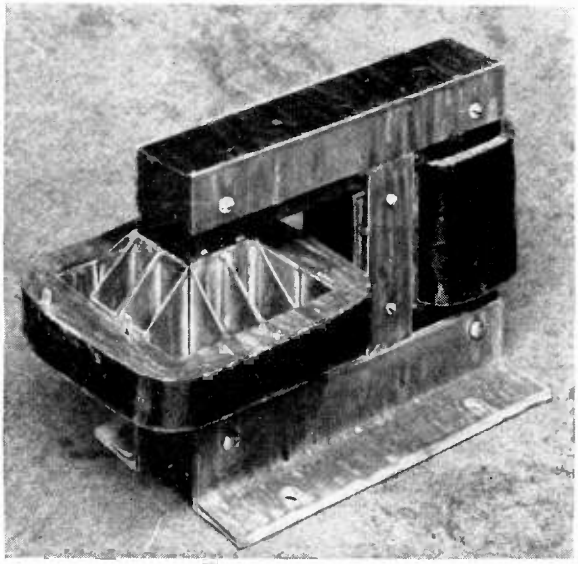
Permafil Type transformer



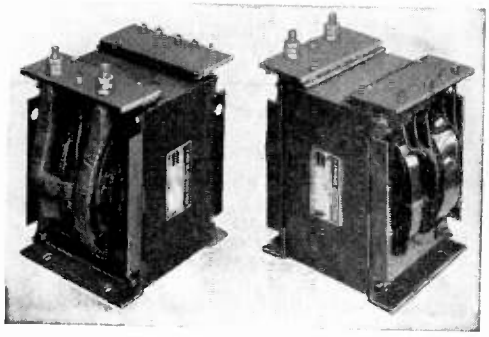
Core and coil type units



Standard compound filled transformers



Special magnetron filament transformer



Heavy duty, high reactance filament transformers

Thank You!

When writing for additional information or when ordering from sources of supply listed in this book, please mention

RADIO'S MASTER

TRANSFORMERS

REACTORS POWER PACKS TRANSMITTERS

STANCOR

The Stancor units listed on the following pages are representative of the most complete stock in the industry available for 48 hour delivery from Stancor distributors. In addition to maintaining the Stancor stock line of more than 400 part numbers, a large part of Stancor's modern production facilities is devoted to the fabrication of special design components for leading manufacturers of radio, television and other electronic equipment. Your inquiries are invited. Quotations will be furnished promptly.

STANCOR TELEVISION COMPONENTS

VERTICAL DEFLECTION OUTPUT TRANSFORMER

Stancor No. A-8115. Interchangeable with RCA type 204T2. Designed for use in typical vertical deflection circuits to couple the vertical output tube to the deflection yoke. May be used in conjunction with RCA type 201D1 yoke and kinescopes such as RCA types 10BP4, 7DP4 and 5TP4. Type N mounting. Dimensions: 3 1/16" H x 2 1/2" W x 2 1/2" D. Mtg. ctrs., 1 19/32" x 2". Shpg. wt., 2.5 lbs. **List Price $6.00.**

Stancor No. A-8116. Interchangeable with RCA type 204T9. Designed to couple the vertical output tube to the deflection yoke in typical deflection circuits. For use in conjunction with RCA type 201D1 deflection yoke and kinescopes such as RCA types 10BP4 and 16AP4. Type A mounting. Dimensions: 3 1/16" H x 2 1/2" W x 2 1/4" D. Mtg. ctrs., 1 19/32" x 1 3/4". Shpg. wt., 2.2 lbs. **List Price $4.40.**

VERTICAL BLOCKING-OSCILLATOR TRANSFORMER

Stancor No. A-8111. For use in vertical blocking-oscillator circuits for generation of 60 cps. required to drive grids of vertical discharge tubes. Type A mounting. Dimensions: 1 1/2" H x 2 1/2" W x 1 1/2" D. Mtg. ctrs., 2". Shpg. wt., 0.4 lbs. **List Price $2.50.**

Stancor No. A-8121. Interchangeable with RCA type 208T2. For use in vertical blocking-oscillator circuits for generation of 60 cps. required to drive grids of vertical discharge tubes. Type TD mounting. Dimensions: 1 3/4" H x 2 5/16" W x 1 1/2" D. Mtg. ctrs., 1 15/16". Shpg. wt., 0.4 lbs. **List Price $3.20.**

HORIZONTAL DEFLECTION OUTPUT AND HV TRANSFORMER

Stancor No. A-8117. For replacement of RCA type 211T1. For use with RCA type 201D1 deflection yoke and kinescopes such as RCA types 7DP4 and 10BP4. Used with one 6BG6-G deflection amplifier, one 6AS7-G or one 5V4-G scanning booster and one 1B3-GT/8016 pulse rectifier (may require filament resistor, adjusted for proper voltage). Auto-transformer primary provides voltage for pulse rectifier supplying kinescope anode potential. Filament winding for pulse rectifier included. Tap on secondary permits connection of width control. Powdered iron core. Max. current rating (RMS): Pri. (1-2), 80 ma; Sec. (4-6), 250 ma. DC resistance @ 25° C (Approx): Pri. (1-2), 107 ohms; (2-3), 200 ohms; Sec. (4-6), 10.1 ohms. Turns: Pri. (1-2), 1,000; (2-3), 600; Sec. (4-6), 315; (5-6), 15. Type HT mounting. Dimensions: 4 11/32" W x 3 3/4" D x 2 3/32" H. Shpg. wt., 1.7 lbs. **List Price $10.10.**

Stancor No. A-8118. For use with one 6BG6-G deflection amplifier, one 6AS7-G or one 5V4-G scanning booster and one 1B3-GT/8016 pulse rectifier (may require filament resistor, adjusted for proper voltage). Use with Stancor DY-1 deflection yoke or equivalent and direct viewing kinescopes, such as RCA types 7DP4 and 10BP4. Max. current rating (RMS): Pri. (1-2), 100 ma; Sec. (4-6), 250 ma. DC resistance @ 25° C (Approx.): Pri. (1-2), 160 ohms; (2-3), 130 ohms; Sec. (4-6), 12.5 ohms. Turns: Pri. (1-2), 1100; (2-3), 660; Sec. (4-6), 345; (5-6), 15. Type HO mounting. Dimensions: 3" W x 3 3/4" H x 2 1/64" D. Shpg. wt., 1.2 lbs. **List Price $9.75.**

HORIZONTAL BLOCKING-OSCILLATOR TRANSFORMER

Stancor No. A-8110. Interchangeable with RCA type 208T3. Vacuum wax impregnation for quiet operation. Type A mounting. Dimensions: 1 1/2" H x 2 1/2" W x 1 1/2" D. Mtg. ctrs., 2". Shpg. wt., 0.4 lbs. **List Price $2.75.**

Stancor No. A-8120. Interchangeable with RCA type 208T1. Generates 15,750 cps. pulse required to drive grids of horizontal discharge tubes. Type TD mounting. Dimensions: 1 3/4" H x 2 5/16" W x 1 1/2" D. Mtg. ctrs., 1 15/16". Shpg. wt., 0.4 lbs. **List Price $3.90.**

PLATE AND FILAMENT TRANSFORMER

Stancor No. P-8150. For use with type 2X2 rectifier tubes in a conventional half-wave circuit to obtain high voltage supply. Contains filament winding for the rectifier tube. H.V. Secondary: AC volts, 1550; DC ma., 1.5. Rec. filament: 2.5 v—1.75 amp. Type TD mounting. Dimensions: 3 1/16" H x 3" W x 2 1/2" D. Mtg. ctrs., 2 3/8" x 1 1/2". Shpg. wt., 1.8 lbs. **List Price $9.75.**

Stancor No. P-8151. For use with type 2X2 rectifier tube in a conventional half-wave circuit to obtain high voltage supply. Contains an extra 2.5 volt filament winding. H.V. Secondary: AC volts, 2400; DC ma., 5.0. Rec. filament: 2.5 v—2 amp. Filament # 2: 2.5 v—2 amp. Type C mounting. Dimensions: 4 5/16" H x 3 9/16" W x 3 7/8 "D. Mtg. ctrs., 2 3/4" x 2 11/16". Shpg. wt., 6.4 lbs. **List Price $14.80.**

Stancor No. P-8152. For replacement of RCA type 201T6, used in RCA model 630TS receiver. High voltage winding designed to deliver 405 volts DC at 295 ma into an 80 mfd condenser input filter following two type 5U4-G tubes in a full-wave rectifier circuit. Copper shorting band reduces image distortion to a minimum by cutting down external magnetic field. Plate supply: AC volts, 365-0-365: DC ma, 295. Rectifier filament: 5.0 v—6.0 amp. Auxiliary filaments: 5.0 v—2.0 amp., 12.6 v CT—5.0 amp. Type M mounting. Dimensions: 3 7/8" W x 4 5/8" L x 6 1/16" H. Mtg. ctrs., 3 3/16" x 4 1/16". Shpg. wt., 16.5 lbs. **List Price $26.25.**

Stancor No. P-8153. For replacement in RCA model 721TS receiver. High voltage winding delivers 360 volts at 250 ma into an 80 mfd condenser input filter following a type 5U4-G tube in a full-wave rectifier circuit. Copper shorting band around core minimizes image distortion by reduction of external magnetic field. Plate supply: AC volts, 365-0-365; DC ma, 250. Rectifier filament: 5.0 v—3.0 amp. Auxiliary filaments: 6.3 v—6.0 amp, 6.3 v—.8 amp, 5.0 v—2.0 amp. Type M mounting. Dimensions: 3 7/8" W x 4 5/8" L x 5" H. Mtg. ctrs., 3 3/16" x 4 1/16". Shpg. wt., 12.5 lbs. **List Price $22.00.**

These two transformers are designed to work together as a more economical power supply than is possible with one unit.

Stancor No. P-8154. Plate supply: AC volts, 375-0-375; DC ma, 205. Rectifier filament: 5.0 v—3 amp. Auxiliary filaments: 5.0 v—2 amp, 6.3 v—5.6 amp. Type M mounting. Dimensions: 3 3/4" W x 4 1/2" L x 4 1/4" H. Mtg. ctrs., 3 3/4" x 3". Shpg. wt., 9.1 lbs. **List Price $15.20.**

Stancor No. P-8155. Plate supply: AC volts, 225-0-225; DC ma, 90. Rectifier filament: 5.0 v—2 amp. Auxiliary filament: 6.3 v—5.15 amp. Type M mounting. Dimensions: 2 13/16" W x 3 3/8" L x 3 3/4" H. Mtg. ctrs., 2 13/16" x 2 1/4". Shpg. wt., 4.5 lbs. **List Price $8.90.**

Stancor No. P-8156. Exact duplicate replacement for RCA type 201T6 used in RCA model 630TS receiver. High voltage winding designed to deliver 405 volts DC at 295 ma into an 80 mfd condenser input filter following two type 5U4-G tubes in a full-wave rectifier circuit. Copper shorting band around core minimizes image distortion by reduction of external magnetic field. Plate supply: AC volts, 365-0-365; DC ma, 295. Rectifier filament: 5.0 v—6.0 amp. Auxiliary filaments: 5.0 v—2.0 amp, 12.5 v CT—5.0 amp. Type M mounting. Dimensions: 3 13/16" W x 4 3/4" L x 6 5/8" H. Mtg. ctrs., 3 3/16" x 4 1/16". Shpg. wt., 16.5 lbs. **List Price $25.50.**

Stancor No. P-8157. Exact duplicate replacement for Motorola part number 25C484095 used in models VK106, VT105 and VT107. Designed for use with dual full-wave rectifiers and filters to supply two outputs simultaneously: 5U4-G (395 volts DC at 195 ma across 40 mfd input) and 5Y3-GT (212 volts DC at 105 ma across 40 mfd input). Plate supply #1: AC volts, 385-0-385; DC ma, 195. Rectifier filament: 5.0 v—3.0 amp. Plate supply #2: AC volts, 235-0-235; DC ma, 105. Rectifier filament: 5.0 v—2.0 amp. Auxiliary filaments: 6.3 v—7.65 amp, 6.3 v—0.6 amp, 5.0 v—2.0 amp Type M mounting. Dimensions: 3 3/4" W x 4 1/2" L x 4 3/4" H. Mtg. ctrs., 3" x 3 3/4". Shpg. wt., 11.1 lbs. **List Price $21.00.**

OUTPUT TRANSFORMER

Stancor No. A-8114. Matches single type 6K6 tube (7,600 ohms—32 ma) to a 3.2 ohm voice coil. Type A mounting. Dimensions: 1 3/4" H x 2 3/8" W x 1 3/8" D. Mtg. ctrs., 2". Shpg. wt., 0.4 lbs. **List Price $1.65.**

FILTER CHOKE

Stancor No. C-2325. Rated inductance, 2 hy. (min.). Rated DC, 200 ma. DC resistance, 60 ohms. Test volts, 1500 RMS. Core, 7/8" x 7/8". Type A mounting. Dimensions: 2 1/4" H x 3 3/4" W x 2 1/4" D. Mtg. ctrs., 3 1/8". Shpg. wt., 1.8 lbs. **List Price $2.90.**

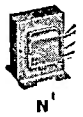
Stancor No. C-2326. Rated inductance, 1 hy. (min.). Rated DC, 300 ma. DC resistance, 43 ohms. Test volts, 1500 RMS. Core, 7/8" x 3/4". Type A mounting. Dimensions: 2 1/4" H x 3 3/4" W x 2 1/4" D. Mtg. ctrs., 3 1/16". Shpg. wt., 1.7 lbs. **List Price $2.90.**

DEFLECTION YOKE

Stancor No. DY-1. Replaces RCA type 201D1. For use with direct viewing kinescopes requiring 50° magnetic deflection, such as RCA types 7DP4 and 10BP4. Provides required retrace time when used with deflection circuits employing horizontal output transformers equivalent to RCA types 211T1 and 211T3, and vertical output transformers equivalent to RCA types 204T2 or 204T9. Performance checked to close linearity limits. Type DY mounting. Shpg. wt., 1.2 lbs. **List Price $7.50.**

FOCUS COIL

Stancor No. FC-10. Interchangeable with RCA type 202D1. Designed for magnetically focused kinescopes with deflection angles up to 50°, such as RCA type 10BP4. The large center hole of the coil provides ample clearance between core and kinescope neck, allowing for tipping and displacing axis when necessary. For best performance, a rheostat adjustment of the operating current should be used. Type FC mounting. Shpg. wt., 2 lbs. **List Price $7.50.**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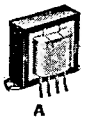
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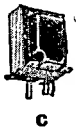
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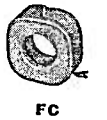
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STANCOR TRANSFORMERS

REACTORS · POWER PACKS · TRANSMITTERS

Stancor's Universal Power Transformers represent the last word in efficient transformer construction. They are designed for compactness without sacrificing efficiency.

Four universal brackets permit their being mounted in either vertical or horizontal position. Transformers equipped with 8" flexible RMA color coded leads and static shields.

Power Transformers—Universal Type

Stancor Number	No. of Tubes	Plate V.C.T.	Plate Ma.	Fil. No. 1 V.	Fil. No. 1 A.	Fil. No. 2 V.	Fil. No. 2 A.	Fil. No. 3 V.	Fil. No. 3 A.	Mtg. Type	Mtg. Area	Mtg. Ctrs.	Wgt. in Ctn.	List Price
UNIVERSAL TYPE—2.5 VOLT														
P-6001	4-5	650	40	5.0-C.T.	2.0	2.5-C.T.	4.0	.....	....	M	2½" x3"	2" x2½"	3.3	**$6.00**
P-6002	5-6	700	50	5.0-C.T.	2.0	2.5-C.T.	7.25	.....	....	M	2½" x3"	2" x2½"	3.3	**7.00**
P-6009	6-7	550	70	5.0-C.T.	2.0	5.0-C.T.	0.5	2.5-C.T.	10.5	M	2 13/16" x3 3/4"	2¼" x2 13/16"	4.2	**9.00**
P-6005	6-7	700	70	5.0-C.T.	2.0	2.5-C.T.	9.0	2.5-C.T.	3.5	M	2 13/16" x3 3/8"	2¼" x2 13/16"	5.4	**7.75**
P-6003	6-7	700	70	5.0-C.T.	2.0	2.5-C.T.	9.0	.....	....	M	2 13/16" x3 3/8"	2¼" x2 13/16"	3.8	**8.35**
P-6004	8-9	700	90	5.0-C.T.	2.0	2.5-C.T.	12.5	.....	....	M	3⅛" x3¾"	2½" x3⅛"	5.4	**7.75**
P-6007	10-12	800	110	5.0-C.T.	3.0	2.5-C.T.	15.0	2.5-C.T.	3.5	M	3⅛" x3¾"	2½" x3⅛"	6.3	**10.25**
P-6006	11-13	700	120	5.0-C.T.	3.0	2.5-C.T.	12.5	2.5-C.T.	3.5	M	3⅛" x3¾"	2½" x3⅛"	5.9	**10.60**
UNIVERSAL TYPE—6.3 VOLT														
P-6289	6-5	420	40	5.0-C.T.	2.0	6.3-C.T.	2.0	.....	....	M	2½" x3"	2" x2½"	3.1	**$7.00**
P-6297	4-5	480	40	5.0-C.T.	2.0	6.3-C.T.	2.0	.....	....	M	2½" x3"	2" x2½"	3.2	**6.75**
P-6010	4-5	650	40	5.0-C.T.	2.0	6.3-C.T.	2.0	.....	....	M	2½" x3"	2" x2½"	3.3	**5.75**
P-6119	6-7	600	55	5.0-C.T.	2.0	6.3-C.T.	2.7	.....	....	M	2½" x3"	2" x2½"	3.5	**6.90**
P-6120	7-9	630	70	5.0-C.T.	2.0	6.3-C.T.	3.5	.....	....	M	2 13/16"x3 3/8"	2¼" x2 13/16"	5.2	**7.70**
P-6011	6-7	700	70	5.0-C.T.	2.0	6.3-C.T.	2.5	.....	....	M	2½" x3"	2" x2½"	3.3	**7.30**
P-6312	7-8	580	90	5.0-C.T.	2.0	6.3-C.T.	2.8	.....	....	M	3⅜" x2 13/16"	2 13/16"x2¼"	5.4	**8.40**
P-6012	8-9	700	90	5.0-C.T.	2.0	6.3-C.T.	3.5	.....	....	M	2 13/16"x3⅜"	2¼" x2 13/16"	5.2	**7.70**
P-6013	11-13	700	120	5.0-C.T.	3.0	6.3-C.T.	4.7	.....	....	M	3⅛" x3¾"	2½" x3⅛"	5.3	**8.55**
P-6313	11-13	580	125	5.0-C.T.	3.0	6.3-C.T.	4.5	.....	....	M	4⅛" x3 7/16"	3 9/16" x2¾"	6.4	**9.50**
P-6014	13-15	750	150	5.0-C.T.	3.0	6.3-C.T.	5.0	.....	....	M	3⅛" x3¾"	2½" x3⅛"	5.8	**10.50**
P-6165	14-16	800	200	5.0-C.T.	4.0	6.3-C.T.	5.5	.....	....	M	3¾" x4½"	3" x3¾"	6.5	**12.55**
P-6314	14-16	700	200	5.0-C.T.	3.0	6.3-C.T.	5.5	.....	....	M	4½" x3¾"	3¾" x3"	7.7	**12.30**
P-6315	16-18	740	275	5.0-C.T.	3.0	6.3-C.T.	7.0	.....	....	M	4½" x3¾"	3¾" x3"	8.5	**16.00**
UNIVERSAL TYPE—6.3 AND 2.5 VOLT COMBINATION														
P-6293	6-7	600	60	5.0-C.T.	2.0	6.3-C.T.	2.5	2.5-C.T.	7.5	M	2 13/16"x3⅜"	2¼" x2 13/16"	4.0	**$8.25**
P-6295	8-9	700	90	5.0-C.T.	2.0	6.3, 2.5 C.T.	3.5	2.5-C.T.	9.0	M	3⅛" x3¾"	2½" x3⅛"	5.7	**10.25**
P-6234 Has an additional 2.5 V. at 1.75 A.C.T. winding	11-13	660	90	5.0-C.T.	2.0	2.5-C.T.	12.0	6.3, 5.0, 2.5-C.T.	4.0	M	3⅛" x3¾"	2½" x3⅛"	5.9	**12.50**
P-6008	14-16	750	180	5.0-C.T.	3.0	6.3-C.T.	3.3	2.5-C.T.	6.0	M	3 7/16" x4⅛"	2¾" x3 7/16"	6.5	**11.65**
UNIVERSAL TYPE—WITH MOTOR TUNING WINDINGS														
P-6290	11-13	700	120	5.0-C.T.	3.0	6.3-C.T.	4.7	50-24-18		M	3¾" x3⅛"	2½" x3⅛"	5.4	**$10.75**
P-6291	13-15	750	150	5.0-C.T.	3.0	6.3-C.T.	5.0	50-24-18		M	3¾" x3⅛"	3⅛" x2½"	5.9	**11.60**

Power Transformers—Half Shell Type

Stancor No.	No. of Tubes	Plate V.C.T.	Plate Ma.	Filament 1 V.	Filament 1 A.	Filament 2 V.	Filament 2 A.	Filament 3 V.	Filament 3 A.	Mounting Type	Mounting Area	Mtg. Ctrs.	Wgt. in Ctn.	List Price
HALF SHELL WITH LUGS—2.5 VOLTS														
P-2770	4-5	650	40	5.0	2.0	2.5-C.T.	4.5	...	...	G	2½" x3"	2" x2½"	2.5	**7.25**
P-2860	8-9	700	90	5.0	2.0	2.5-C.T.	3.5	2.5	9.0	G	3 7/16" x4⅛"	2¾" x3 7/16"	5.2	**10.00**
HALF SHELL WITH LUGS—6.3 VOLTS														
P-2751	4	650	40	5.0	2.0	6.3-C.T.	1.6	...	...	G	2½" x3"	2" x2½"	2.2	**$7.00**
P-2771	4-5	650	40	5.0	2.0	6.3-C.T.	2.0	...	...	G	2½" x3"	2" x2½"	2.5	**7.00**
P-947	4-5	700	50	5.0	2.0	6.3-C.T.	2.0	...	...	G	2 13/16"x3 3/8"	2¼" x2 13/16"	3.3	**6.35**
P-948	5-6	675	70	5.0	2.0	6.3-C.T.	2.5	...	...	G	3⅛" x3¾"	2½" x3⅛"	4.7	**7.85**
P-949	7-10	700	120	5.0	3.0	6.3-C.T.	3.0	...	...	G	3 7/16" x4⅛"	2¾" x3 7/16"	5.5	**9.00**
P-6336	6-8	600	150	5.0	3.0	6.3-C.T.	3.0	...	...	G	2 7/8" x3⅜"	2¼" x2 7/8"	4.2	**9.50**
P-955	11-14	800	160	5.0	3.0	6.3-C.T.	4.5	...	...	G	3¾" x4½"	3" x3¾"	6.5	**10.75**

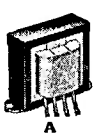
All of the above transformers are for operation on 117 volts, 60 cycles.
Other voltage and frequency combinations available on special order. Write for quotations.

Tube Checker Transformer

Especially designed for use in modernizing older types of tube checkers. Ideal for other testing equipment and laboratory. Packed with wiring instructions giving color coding of leads.

Stancor No.	Primary Volts	Primary Cycles	Secondary Volts	Type Mounting	Dimensions H	Dimensions W	Dimensions D	Weight in Carton	List Price
P-1834-3	105, 115, 125	50-60	1.1, 1.4, 1.5, 2.0, 2.5, 3.0, 3.3, 5.0, 6.3, 7.0, 7.5, 12, 25, 30, 35, 50, 70, 85, 110, 117	A	2⅝"	4 1/16"	2"	2.6	**$12.00**

All of the above power transformers are for operation on 117 volts, 60 cycles.
Other voltage and frequency combinations available on special order. Write for quotations.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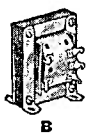
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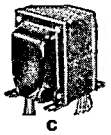
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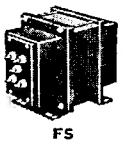
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TRANSFORMERS

REACTORS POWER PACKS TRANSMITTERS

STANCOR

Power Transformers—Fully Cased

FULLY SHIELDED WITH LEADS—2.5 VOLTS

Stancor No.	No. of Tubes	Plate V.C.T.	Plate Ma.	Fil. No. 1 V.C.T.	Fil. No. 1 A.	Fil. No. 2 V.C.T.	Fil. No. 2 A.	Fil. No. 3 V.C.T.	Fil. No. 3 A.	Mtg. Type	Mtg. Area	Mtg. Ctrs.	Wgt. in Ctn.	List Price
P-4042	6-7	700	70	5.0	2.0	2.5-C.T.	3.5	2.5	7.5	C	3¼"x3"	2½" x1⅞"	3.7	**$8.75**
P-4043	8-9	700	90	5.0	2.0	2.5-C.T.	3.5	2.5	9.0	C	3 9/16"x3⅜"	2 11/16"x2½"	4.5	**10.00**
P-4044	10-12	700	110	5.0	3.0	2.5-C.T.	3.5	2.5	14.0	C	3½"x3⅜"	2 11/16"x2½"	4.7	**11.00**

FULLY SHIELDED WITH LEADS—6.3 VOLTS

P-4076	4-5	650	40	5.0	2.0	6.3-C.T.	2.0	.....	...	C	2½"x2⅛"	2 1/16"x1¾"	2.7	**$6.57**
P-4077	5-6	700	50	5.0	2.0	6.3-C.T.	2.6	.....	...	C	3" x2¾"	2¼"x1⅞"	3.2	**7.50**
P-4078	6-7	700	70	5.0	2.0	6.3-C.T.	3.0	.....	...	C	3¼"x3"	2½"x1⅞"	4.0	**8.50**
P-4079	8-9	700	90	5.0	2.0	6.3-C.T.	3.5	.....	...	C	3 9/16"x3⅜"	2¾"x2¼"	4.9	**9.50**
P-4080	10-12	700	110	5.0	3.0	6.3-C.T.	4.5	.....	...	C	3⅞"x3⅜"	3" x2¼"	5.4	**10.00**
P-6143	8-9	880	130	5.0	3.0	6.3-C.T.	3.5	.....	...	C	3⅝"x4"	2¾"x3"	5.0	**12.25**
P-4081	11-14	800	160	5.0	3.0	6.3-C.T.	4.5	.....	...	C	3⅞"x3⅛"	3" x2½"	5.0	**12.00**
P-4004*	11-14	800	175	5.0	3.0	6.3-C.T.	2.5	6.3-C.T.	2.5	C	3⅞"x4⅛"	3" x2¾"	11.0	**13.50**
P-5059	11-14	675	200	5.0	3.0	6.3-C.T.	5.0	.....	...	C	3⅞"x4⅜"	3" x3 5/16"	10.0	**13.75**
P-6170	....	1200	200	5.0	3.0	6.3-C.T.	3.0	6.3-C.T.	4.0	C	3⅞"x4⅜"	3" x3 5/16"	13.3	**13.50**

FULLY SHIELDED WITH LEADS—2.5 AND 6.3 OR 7.5 VOLT COMBINATION

P-4047	6-7	700	70	5.0	2.0	2.5-C.T.	9.0	6.3	3.0	C	3¼"x3"	2½"x1⅞"	3.7	**9.00**
P-4048	8-9	700	90	5.0	2.0	2.5-C.T.	10.0	6.3	3.5	C	3 9/16"x3½"	2¾"x2⅝"	5.0	**10.50**
P-4049	10-12	700	110	5.0	3.0	2.5-C.T.	14.0	6.3	4.5	C	3⅞"x3⅜"	3" x2⅜"	5.3	**11.75**
P-3005†	10-12	720	125	5.0	3.0	2.5-C.T.	10.0	6.3-C.T.	4.0	C	3⅞"x3⅞"	3" x2¾"	5.5	**13.50**
P-4050*	11-14	800	160	5.0	3.0	2.5-C.T.	14.0	6.3	4.5	C	3⅞"x3¾"	3" x2¾"	6.2	**13.75**

* Has 80 V. bias tap and extra 2.5 V. 1.75A filament. † Has 80 V. bias tap and extra 5 V. 2A filament.

FULLY SHIELDED WITH LEADS—1.5; 2.5 AND 5 VOLT COMBINATION

Stancor No.	Plate V.C.T.	Plate Ma.	Rectifier Filament V.	Rectifier Filament A.	Filaments No. 1, 2 V.	Filaments No. 1, 2 A.	Filaments No. 3, 4 V.	Filaments No. 3, 4 A.	Mounting Type	Mounting Area	Mounting Ctrs.	Wgt. in Ctn.	List Price
P-1501	600	60	5.0	2.0	1.5-C.T. 2.5-C.T.	1.0 4.0	1.5 5.0	4 0.5	C	3½"x3⅜"	2½"x2½"	5.0	**$10.50**
P-1503	700	120	5.0	3.0	1.5-C.T. 2.5-C.T.	1.0 4.0	1.5 2.5-C.T.	5 3.5	C	4" x3¾"	3⅛x3⅛"	7.5	**13.75**
P-1505	700	120	5.0	3.0	2.5-C.T. 2.5-C.T.	4.0 3.5	2.5-C.T.	9	C	4" x3¾"	3" x3"	7.5	**13.50**

Vibrator Transformers—Six Volt Universal

Stancor No.	Secondary D.C. Volts	Secondary to Filter Ma.	Type Mounting	Dimensions H	Dimensions W	Dimensions D	Weight in Carton	List Price
P-6301	150	40	S	2 5/16"	2⅞"	1¾"	1.3	**$4.50**
P-4060	225	40	N	3⅛"	2½"	3"	2.2	**4.90**
P-4061	250	50	N	3⅛"	2½"	3"	2.3	**5.25**
P-4062	260	65	N	3⅛"	2½"	3"	2.6	**5.75**
P-4063	285	75	N	3⅛"	2½"	3¼"	3.0	**6.50**
P-6131	330	100	N	3½"	2 13/16"	3¼"	3.5	**7.00**
P-6166	350 V @ Fil. 6.3 V.C.T.	135 Ma. @ 2.25 A	C	4⅝"	3⅞"	4"	9.0	**12.65**

Automobile Radio Vibrator Transformers—Exact Duplicate Replacements

Stancor No.	Trade Name	Manufacturers Part Number	Manufacturers Service Number	Description	Year	List Price
P-4064	United Motors (Delco)	7240519	.....	Buick	1946–47	**$9.00**
P-4065	United Motors (Delco)	7255881	.....	Cadillac, Chev., Olds., Pontiac	1946–47	**8.50**
P-6470	Regal (5-tube Univ. Series)	140-111	.....	140 V. @ 50 Ma. 2 1/16" H. x 2 1/16" W. x 2 3/32" D.	1946–47	**6.00**
P-6471	Motorola (408, 508, 608)	25B472533	.....	6 tube Ford	1946–47	**6.25**
P-6472	Colonial-Detrola #8072	D 71014	G 141-0004	Ford 8A-18805-A	1947–48	**6.25**
	Colonial-Bendix M1	C 217020	H 141-0004	Ford 8A-18805-A	1947–48	
	Colonial-Motorola	C 71014	J 141-0004	Ford-FD6, Nash	1947–48	
	Motorola 405, 505, 605, 705	25B70950	.....	Standard	1947–48	
P-6473	Zenith	95-1073	.....	Ford, Mercury, Lincoln 8-tube	1947–48	**7.00**
P-6474	Zenith	95-1066	.....	Hudson	1947–48	**7.00**
P-6476	Colonial-Detrola #7070	D 70267	G 141-0001	Ford #51A-18805-B2	1947–48	**6.25**
	Colonial-Motorola—Detrola #8030	C 70267	J 141-0001	Willys #67077	1947–48	


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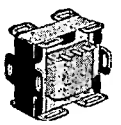
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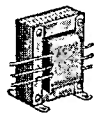
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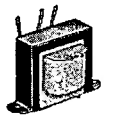
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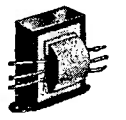
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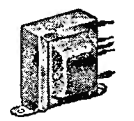
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STANCOR TRANSFORMERS

REACTORS · POWER PACKS · TRANSMITTERS

Universal Output Transformers

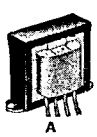
Stancor No.	Output Tubes	Impedance Primary	Impedance Sec.	D.C. Pri. M.A.	Max. Audio Watts	Type Mounting	Dimensions H	Dimensions W	Dimensions D	Weight in Carton	List Price
A-3856	Single or P.P. Plates	2,000, 4,000, 5,000, 6,000, 8,000, 10,000 C.T.	4, 8, 15	35	..	Q	1 5/16"	2 3/8"	1 3/8"	0.6	**$2.60**
A-3849	Universal Single Plate	1,500, 2,000, 4,000, 5,000, 7,000, 10,000	4, 8, 15	55	10	Q	1 5/8"	2 7/8"	1 1/2"	0.7	**2.60**
A-3823	Single or P.P. Plates	2,000, 4,000, 5,000, 6,000, 8,000, 10,000 C.T.	4, 8, 15	40	8	Q	2"	2 13/16"	1 1/2"	0.7	**2.75**
A-3850	Single or P.P. Plates	4,000, 7,000, 8,000, 10,000, 14,000 C.T.	4, 8, 15	40	8	J	2"	2 3/8"	1 1/2"	0.7	**2.95**
A-3852	Single or P.P. Plates	4,000, 7,000, 8,000, 10,000, 14,000 C.T.	4, 8, 15	40	18	J	2 5/16"	2 7/8"	2"	1.6	**3.55**
A-3870	Single or P.P. Plates	4,000, 7,000, 8,000, 10,000, 14,000 C.T.	4, 8, 15	50	18	Q	2 7/8"	3 1/4"	2"	1.6	**3.75**
A-3880	Single or P.P. Plates	4,000, 7,000, 8,000, 10,000, 14,000 C.T.	4, 8, 15	40	15	Q	2 1/4"	3 3/4"	2 1/4"	1.7	**4.90**
A-3830	Single or P.P. Plates	2,000, 4,000, 5,000, 6,000, 8,000, 10,000 C.T.	4, 8, 15	60	20	Q	2 11/16"	3 5/16"	2 1/4"	3.0	**4.90**
A-3890	Single or P.P. Plates	4,000, 7,000, 8,000 10,000, 14,000 C.T.	4, 8, 15	50	15	TD	2 11/16"	2 3/4"	2 3/16"	1.3	**6.50**
A-2855	Single or P.P. Plates	4,000, 7,000, 8,000, 10,000, 14,000 C.T.	4, 8, 15	50	15	L	2 1/4"	2 3/16"	1 3/4"	1.3	**4.20**
A-3841	Universal Single Plate	2,500, 4,000, 5,000, 6,000, 7,000	500	60	10	J	2 11/16"	3 5/16"	2 1/4"	1.8	**6.25**
A-3842	Universal P.P. Plates	8,000, 10,000, 12,000 14,000 C.T.	500	55	10	J	2 11/16	3 5/16"	2 1/4"	1.8	**6.55**

Crystal Recorder Output Transformers

Stancor No.	Output Tubes	Impedance in Ohms Primary	Impedance in Ohms Secondary	Core Size	Max. Watts Level	Type Mtg.	Dimensions H	Dimensions W	Dimensions D	Mtg. Ctrs.	Wgt. in Ctn.	List Price
A-3853	Sgl. 2A5, 6AC5, 6B5, 7B5, 6F6, 6K6, 6N6, 42	7,000	70,000 or 4-6	3/4"x3/4"	5	A	2"	3 1/4"	1 3/4"	2 13/16"	1.0	**$4.50**
A-3854	Sgl. 2A5, 6AC5, 6B5, 7B5, 6F6, 6K6, 6N6, 42	7,000	70,000 and 4-6	7/8"x7/8"	10	A	2 1/4"	3 3/4"	2 1/4"	3 1/8"	1.5	**4.75**
A-3859	P.P. 6AC5, 6B5, 7B5, 6F6, 6K6, 6N6, 42	10,000	70,000 or 4-6	3/4"x3/4"	5	A	2"	3 1/4"	1 3/4"	2 13/16"	1.0	**4.50**
A-3860	P.P. 6AC5, 6B5, 7B5, 6F6, 6K6, 6N6, 42	10,000	70,000 and 4-6	7/8"x7/8"	10	A	2 1/4" x	3 3/4" x	2 1/4"	3 1/8"	1.5	**5.50**
A-3897	500 Ohm Line	500	70,000	7/8"x7/8"	10	W2	3 1/2" x	2 7/8" x	3 1/8"	....	3.0	**16.80**

Tube to Line Transformers—Universal

Stancor No.	From	To	Impedance Primary	Impedance Secondary	D.C. Pri. Ma.	Type Mtg.	Dimensions H	Dimensions W	Dimensions D	Wgt. in Ctn.	List Price
A-3250	Sgl. or P.P. 27, 30, 12A, 37, 55, 56, 76, 6C5, 6C6	Line	10,000 or 20,000	50, 125, 200, 333, 500	10	Q	2"	3 1/4"	1 3/4"	1.2	**$4.50**
A-3315	Sgl. or P.P. 27, 30, 37, 55, 56, 76, 12A, 6C5, 6C6	Line	10,000 or 20,000	50, 125, 200, 333, 500	35	D	3 1/16"	2 5/8"	3 5/8"	2.6	**10.00**
A-4770	Univ. Single Tube	Line	2,500, 4,000, 5,000, 6,000, 7,000	500	60	J	3 1/8"	2 5/8"	2 5/8"	2.3	**6.00**
A-4771	Univ. P.P. Tubes	Line	8,000, 10,000 12,000, 14,000 C.T.	500	55	A	2 5/8"	4"	2 5/8"	2.3	**6.30**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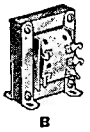
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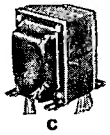
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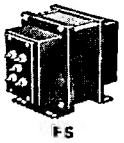
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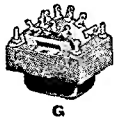
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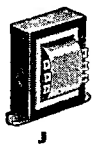
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TRANSFORMERS

REACTORS · POWER PACKS · TRANSMITTERS

STANCOR

Replacement Output Transformers

Stancor No.	Output Tubes	Class	Impedance in Ohms Primary	Impedance in Ohms Secondary	D.C. Pri. Ma.	Max. Audio Watts	Type Mtg.	Dimensions H	Dimensions W	Dimensions D	Wgt. in Ctn.	List Price
A-3865	Sgl. 48, 25B6, 25L6, 50L6	A	1,500	2, 4, 6	55	5	A	1⅜″	2⅜″	1⅜″	0.5	**$2.35**
A-3876	Sgl. 2A3, 6A3, 6B4, 6W6, 6Y6, 25AC5, 25B5, 25B6, 25L6, 35A5, 35L6, 50L6	A	2,000	4	60	5	A	1⅜″	2⅜″	1⅝″	0.5	**1.75**
A-3825	Sgl. 2A3, 6A3, 6B4, 6L6, 6W6, 6Y6, 25AC5, 25B5, 25L6, 25N6, 35N6, 35L6, 50L6	A	2,500	1, 2, 4	75	8	Q	2″	3¼″	1⅝″	1.0	**3.25**
A-2203	Sgl. 12A5, 25A6, 31, 43, 45, 71, 48	A	4,000	8	40	5	A	1⅝″	2⅞″	1⅝″	0.7	**2.55**
A-3877	Sgl. 2B6, 6V6, 7C5, 12A, 25A6, 31, 43, 59	A	5,000	4	40	5	A	1⅜″	2⅜″	1⅜″	0.5	**1.85**
A-3822	Sgl. 2A5, 6AC5, 6B5, 6F6, 6K6, 6N6, 7B5, 38, 41, 42, 47, 59, 89	A	7,000 10,000	0.7, 1, 1.4 2, 2.8, 4	45	5	Q	1⅜″	2⅜″	1½″	0.5	**2.20**
A-3878	Sgl. 2A5, 6AC5, 6B5, 7B5, 6F6, 6K6, 6N6, 20, 31, 33, 42	A	7,000	4	30	5	A	1⅜″	2⅜″	1⅜″	0.5	**1.80**
A-2313	Sgl. 2A5, 6AC5, 6F6, 6K6, 6N6, 7B5, 33, 41, 42, 47, 59, 89	A	7,000	8	40	10	A	2″	3¼″	1¾″	1.1	**2.70**
A-2201	Sgl. 6A6, 53; P.P. 25A6, 43, 45, 48, 71	A	8,000	6	40	10	A	2″	3¼″	1¾″	1.0	**3.10**
A-3824	Sgl. 6A6, 6N7, 53; P.P. 46	B	8,000	1, 2, 4	75	8	Q	1⅞″	3¼″	2″	1.4	**4.10**
A-3879	Sgl. 1J6, 6C5, 6A4, 6G6, 6N7, 6R7, 12A, 38	A	10,000	4	30	5	A	1⅜″	2⅜″	1⅜″	0.5	**1.75**
A-3831	Sgl. 1G6, 1J6, 19, 6E6; P.P. 30, 49	B	10,000	2, 4, 8	40	5	A	1⅝″	2⅞″	1⅝″	2.6	**2.70**
A-3496	P.P. 2A5, 6F6, 6K6, 7B5, 33, 41, 42, 47, 49	A	14,000	4	45	5	A	1⅜″	2⅜″	1⅜″	0.7	**2.35**
A-2312	P.P. 2A5, 6F6, 6K6, 7B5, 33, 41, 42, 47, 49	A	14,000	4	40	10	A	2″	3¼″	1¾″	1.1	**2.80**
A-3881	Sgl. 1D8, 1E7, 1F4, 1F5, 1J5, 1T5, 6V7, 6Y7, 12A7	A	15,000	4	10	5	A	1⅜″	2⅜″	1⅜″	0.5	**1.75**
A-3848	Sgl. 1D8, 1F4, 1F5, 1J5, 1T5, 6R7, 950	A	16,000	1, 2, 4	10	5	Q	1⅜″	2⅜″	1⅜″	0.5	**2.60**
A-3857	Sgl. 1A5, 1E7, 1N6, 6V7; PP. 1F4, 1F5, 1J5, 1T5, 6G6	A	25,000	4	10	5	A	1⅜″	2 1/16″	1 5/16″	0.7	**2.25**

Heavy Duty Output Transformers to Line or Speaker—High Level

A-3306	P.P. PAR. 48, 25L6 P.P. PAR. 2A3, 45	A AB	2,500	4, 8, 15, 500	100	25	C	3⅝″	3″	3⅛″	3.6	**$8.00**
A-3301	PP. 2A3, 6A3, 6B4 P.P. 48, 25L6	AB A	3,000	4, 8, 15, 500	55	30	C	3⅝″	3″	3⅛″	3.7	**7.70**
A-3802	P.P. PAR. 6L6 PP. 45, 6L6	AB1 AB2	3,300 3,800	4, 8, 250, 500	250	75	C	4⅝″	3⅞″	3⅞″	8.3	**11.50**
A-5528	P.P. 6Y6, 25L6	A	4,000	4, 8, 15, 500	65	8	C	3 3/16″	2⅝″	2⅜″	2.4	**6.60**
A-3851	P.P. 6L6*	AB1	4,400	4, 8, 15, 250, 500	70	30	C	3⅝″	3″	3⅛″	3.6	**8.90**
A-3872	P.P. 6L6; P.P. 2A3, 6A3, 45	A	5,000	4, 8, 15	150	18	TD	2 11/16″	2¾″	2 5/16″	1.8	**6.00**
A-3310	Sgl. 45, 2B6, 6L6, 6V6, 25A6, 25A7	A	5,000	4, 8, 15, 500	55	20	C	3 3/16″	2⅝″	2⅝″	2.5	**6.95**
A-3800	P.P. 6L6 P.P. 2A3, 6A3, 45	A AB	5,000	4, 8, 15, 250, 500	80	30	C	3⅝″	3″	3⅛″	3.7	**7.90**
A-3307	P.P. 2A5, 6F6, 42 P.P. 46, 59; P.P. PAR. 6A6, 6N7, 53	AB2 B	6,000	4, 8, 15, 500	100	30	C	3⅝″	3″	3⅛″	3.6	**8.40**
A-3801	P.P. 6L6	AB1	6,600	4, 8, 15, 250, 500	150	35	C	3⅞″	3¼″	3⅜″	5.0	**9.20**
A-3855	Sgl. 2A5, 6AC5, 6F6, 6K6, 6N6, 7B5, 33, 41,42, 47, 59, 89; P.P. 12A5, 45	A	7,000	10, 2,000	40	5	TD	2 11/16″	2¾″	2 5/16″	1.7	**5.65**
A-3885	P.P. 6L6	AB1	9,000	4, 8, 15, 250, 500	150	35	C	3⅞″	3¼″	3⅜″	5.0	**9.20**
A-3304	Sgl. 6A4, 6B5, 6N6; PP. 6V6, 45 Sgl. 6A6, 6N7, 53; P.P. 6AC5	A B	7,000, 7,000 10,000	4, 8, 15, 500	60	25	C	3 3/16″	2⅝″	2⅝″	2.6	**7.20**
A-3839	Sgl. 1G6, 1J6, 19; PP. 1H4, 30, 49 Sgl. 1G5, 3C5, 6G6, 6R7, 12A	B A	10,000	4, 8, 15, 2000	30	10	TD	2 11/16″	2¾″	2 5/16″	1.7	**6.00**
A-3311	Sgl. 6A6, 6N7, 53; P.P. 6B5, 6N6 P.P. 6F6, 6V6	B AB	10,000	4, 8, 15, 500	70	25	C	3⅝″	3″	3⅛″	3.8	**7.50**
A-3303	Sgl. 6V7, 6Z7, 79 P.P. 2A5, 6F6, 6K6, 7B5, 41, 42, 47, 59, 89	B A	14,000	4, 8, 15, 500	55	20	C	3 3/16″	2⅝″	2⅝″	2.6	**7.00**

* 10% Inverse Feedback Winding Used. NOTE: All transformers shown for P.P. operation have C.T.

High Fidelity Output Transformers

Part No.	Pri. Z C.T. Ohms	Sec. Z in Ohms*	Type of Tubes	Class of Operation	Max. Pri. D.C. per Side	Max. Audio Watts	Type of Mounting	Weight in Carton	List Price
A-8050	1500	8, 16	P.P. PAR. 2A3's	AB	80	50	C	6.5	**$14.20**
A-8051	2500	8, 16	P.P. PAR. 6L6's	A	150	50	C	6.5	**14.20**
A-8052	3000	8, 16	P.P. 2A3's	AB	75	25	C	6.5	**12.80**
A-8053	5000	8, 16	P.P. 6L6's or P.P. 2A3's	A	75	25	C	6.5	**12.80**
A-8054	9000	8, 16	P.P. 6L6's	AB1	75	25	C	6.5	**12.80**
A-8060	1500	500	P.P. PAR. 2A3's	AB	80	50	C	6.5	**14.20**
A-8061	2500	500	P.P. PAR. 6L6's	A	150	50	C	6.5	**14.20**
A-8062	3000	500	P.P. 2A3's	AB	75	25	C	6.5	**12.80**
A-8063	5000	500	P.P. 6L6's or P.P. 2A3's	A	75	25	C	6.5	**12.80**
A-8064	9000	500	P.P. 6L6's	AB1	75	25	C	6.5	**12.80**

* Where more than one secondary impedance is shown only one value is to be used at any time.


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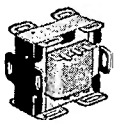
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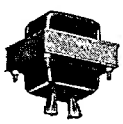
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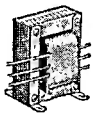
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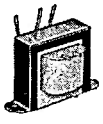
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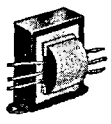
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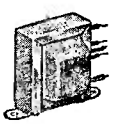
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STANCOR TRANSFORMERS

REACTORS POWER PACKS TRANSMITTERS

Interstage Transformers

Stancor No.	From	To	Impedance Pri.	Impedance Sec.	Turns Ratio Sec. to Pri.	D.C. Pri. Ma.	Type Mtg.	Mounting Dimensions H	W	D	Wgt. in Ctn.	List Price
A-4205	20,000 ohm plate	Grid	20,000	115,000	2.4:1	15	C	3 3/16"	2 5/8"	2 5/8"	2.5	**$7.50**
A-53C	10,000 ohm plate	Grid	10,000	90,000	3:1	10	A	1 5/16"	2 3/4"	1 1/4"	0.5	**2.45**
A-63C	10,000 ohm plate	Grid	10,000	90,000	3:1	10	A	1 5/8"	2 7/8"	1 3/4"	0.75	**2.65**
A-73C	10,000 ohm plate	Grid	10,000	90,000	3:1	10	A	2"	3 1/16"	1 5/8"	1.0	**3.20**
A-2132	Screen Grid Tube	P.P. Grids	10,000	10,000	1:1	10	S	3 1/8"	3 5/8"	2 1/4"	2.4	**6.55**
For coupling screen grid or power detector.												
A-52C	10,000 ohm plate	P.P. Grids	10,000	40,000	2:1	10	A	1 3/8"	2 3/8"	1 3/8"	0.5	**2.45**
A-62C	10,000 ohm plate	P.P. Grids	10,000	40,000	2:1	10	A	1 5/8"	2 7/8"	1 3/4"	0.75	**2.65**
A-4741	10,000 ohm plate	P.P. Grids	10,000	40,000	2:1	10	S	2"	2 3/8"	1 1/2"	0.8	**2.80**
A-4745	10,000 ohm plate	P.P. Grids	10,000	40,000	2:1	10	TD	2 11/16"	2 3/4"	2 3/16"	1.5	**6.35**
For super-regenerative detector, static shield between windings.												
A-53C	10,000 ohm plate	P.P. Grids	10,000	90,000	3:1	10	A	1 3/8"	2 3/8"	1 3/8"	0.5	**2.45**
A-63C	10,000 ohm plate	P.P. Grids	10,000	90,000	3:1	10	A	1 5/8"	2 7/8"	1 3/4"	0.75	**2.65**
A-73C	10,000 ohm plate	P.P. Grids	10,000	90,000	3:1	10	A	2"	3 1/4"	1 3/4"	1.0	**3.20**
A-103C	10,000 ohm plate	P.P. Grids	10,000	90,000	3:1	10	A	2 5/8"	4"	2 1/4"	2.2	**6.45**
A-4155	10,000 ohm plate	P.P. Grids	10,000	90,000	3:1	10	L	2 1/4"	2 3/16"	1 3/4"	1.2	**4.75**
A-4719	10,000 ohm plate	P.P. Grids	10,000	90,000	3:1	10	TD	2 11/16"	2 3/4"	2 3/16"	1.5	**5.85**
A-4750	10,000 ohm plate	P.P. Grids	10,000	90,000	3:1	10	S	2 5/16"	2 7/8"	1 3/4"	1.0	**3.50**
A-4740	10,000 ohm plate	P.P. Grids	10,000	90,000	3:1	10	S	2"	2 3/8"	1 1/2"	0.75	**3.00**
A-83C	10,000 ohm plate	P.P. Grids	10,000	90,000	3:1	10	A	2 1/4"	3 3/4"	2 1/4"	1.5	**4.90**
A-4206*	20,000 ohm plate	P.P. Grids	20,000	180,000	3.25:1	15	C	3 3/16"	2 5/8"	2 5/8"	2.5	**7.50**
A-64C	10,000 ohm plate	P.P. Grids	10,000	160,000	4:1	10	S	2"	2 3/8"	1 3/4"	0.75	**3.00**
* Split Secondary.												
A-4208*	P.P. Plates	P.P. Grids	25,000	13,000	1:1.39	15	C	3 3/16"	2 5/8"	2 5/8"	2.5	**$6.00**
A-4711	P.P. Plates	P.P. Grids	20,000	20,000	1:1	10	A	1 5/8"	2 7/8"	1 1/2"	0.8	**3.10**
A-4777*	P.P. Plates	P.P. Grids	20,000	45,000	1.5:1	10	C	3 3/16"	2 5/8"	2 5/8"	2.5	**6.50**
A-4155	P.P. Plates	P.P. Grids	10,000	90,000	3:1	10	L	2 1/4"	2 1/16"	1 3/4"	1.2	**4.75**
* Split Secondary.												

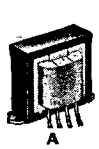
Universal Interstage Transformers—Split Secondaries

Stancor No.	Application	Turns Ratio	D.C. Pri. Ma.	Type Mtg.	Dimensions H	W	D	Mtg. Ctrs.	Wgt. in Ctn.	List Price
A-4773	Universal	3:1	10	TD	2 11/16"	2 3/4"	2 5/16"	2 3/8"	1.5	**$6.00**
A-4774	Universal	3:1	10	S	2 5/16"	2 7/8"	1 3/4"	2 3/8"	1.5	**4.05**

May be used as plate to grid; push pull input or push-pull interstage replacement transformers. Have 3:1 over all ratio, however, primary is center-tapped and secondary has split winding, thus permitting ratios of 1:1, 3:1 and 6:1. Transformers may be used in either step-up or step-down applications.

Driver Transformers

Stancor No.	From	To	Class	Pri. Impedance	½ Sec. Impedance	Turns Ratio Pri. to ½ Sec.	D.C. Pri. Ma.	Type Mtg.	Mounting Dimensions H	W	D	Wgt. in Ctn.	List Price
A-4722	1-42, 47 2A5, 6K6	P.P. 42, 2A5, 6F6, 6K6	AB	10,000	2,500	2:1	30	TD	2 11/16"	2 3/4"	2 3/16"	1.5	**$5.40**
A-4752	1-6G6G, 6F6, 42, 2A5, as Triodes	P.P. Grids 6V6, 6Y6, 6F6, 6L6, 6Z7	AB	10,000	2,500 4,400 10,000	2:1 1.5:1 1:1	35	A	2"	3 1/4"	1 3/4"	1.5	**4.00**
May be used from P.P. primary with ratio of 2:1.													
A-4713	1-46, 45, 2A5, 6F6	P.P. Grids 79, 2A5, 6A6, 6F6	AB	10,000	2,500	2:1	30	A	1 5/8"	2 7/8"	1 1/2"	0.7	**2.60**
A-4292	1-6C5, 30, 49	1-1J6, 19, 2-30, 2-49	B	10,000	1,600	2.5:1	10	A	1 5/8"	2 7/8"	1 1/2"	0.7	**2.60**
A-4734	1-30, 2A5, 6A6, 1G5, 6F6, 6K6	P.P. Grids 19, 2A5, 6A6, 1J6	B	10,000	1,600	2.5:1	15	S	2 5/16"	2 7/8"	1 3/4"	1.4	**3.40**
A-4723	1-30, 2A5, 6A6, 1G5, 6K6, etc.	P.P. Grids 19, 79, 2A5, 6A6, 6F6, 1J6, 6K6	B	10,000	1,100	3:1	30	A	1 5/8"	2 7/8"	1 1/2"	0.7	**2.60**
A-4712	P.P. 27, 30, 37, 56, 76, 6C5, 1H4, 6J5	P.P. 19, 53, 6A6, 1J6, 6N7	B	20,000	2,200	3:1	10	A	1 5/8"	2 7/8"	1 1/2"	0.7	**2.90**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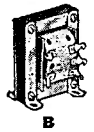
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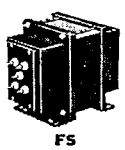
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TRANSFORMERS

REACTORS POWER PACKS TRANSMITTERS

STANCOR

Microphone Pickup or Line to Grid Transformers

Stancor No.	From	To	Impedance Primary	Impedance Secondary	Ratio Overall	Type Mtg.	Dimensions H	Dimensions W	Dimensions D	Wgt. in Ctn.	List Price
A-4742	S.B. Microphone	Sgl. or P.P. Grids	100	400,000 C.T.	1:64	S	2 5/16"	2 7/8"	1 3/4"	1.0	**$3.95**
A-4743	S.B. Microphone	Sgl. or P.P. Grids	100	400,000 C.T.	1:64	S	2 5/16"	2 7/8"	2 1/8"	1.1	**4.30**
Has shield cover which encloses entire coil.											
A-4707	S.B. Microphone	Single Grid	100	58,500	1:24.2	J	2"	2 3/8"	1 5/8"	0.8	**3.20**
A-4706	S.B. Microphone	Single Grid	100	60,000	1:24.6	A	1 3/8"	2 3/8"	1 1/2"	0.6	**2.40**
A-4708	D.B. Microphone	Single Grid	200 C.T.	57,000	1:17	J	2"	2 3/8"	1 5/8"	0.8	**3.55**
A-4709	Dynamic or Pickup	Single Grid	4, 8, 15, 30	106,000	1:60	TD	2 11/16"	2 3/4"	2 3/16"	1.8	**6.40**
A-4351	S.B. or D.B. Microphone or line	Single Grid	50, 125, 200, 333, 500	89,000	1:13.3	TD	2 11/16"	2 3/4"	2 3/16"	1.0	**5.90**
A-4408	S.B. or D.B. Microphone or line	Single Grid	50, 125, 200, 333, 500	80,000	1:12.5	D	3 1/8"	2 5/8"	3 1/8"	2.6	**9.10**
A-4726	D.B. Microphone and 200 ohm line	P.P. Grids	200 C.T.	100,000	1:22.3	TD	2 11/16"	2 3/4"	2 3/16"	1.8	**6.40**
A-4352	S.B. or D.B. Microphone or line	P.P. Grids	50, 125, 200, 333, 500	89,000	1:13.3	Q	2"	3 1/4"	1 3/4"	1.0	**5.20**
A-4409	S.B. or D.B. Microphone or line	P.P. Grids	50, 125, 200, 333, 500	157,000	1:17.7	D	3 1/8"	2 5/8"	3 1/8"	2.6	**9.50**
A-4705	S.B. Microphone	Single Grid	200 or 70	80,000	1:20	A	1 3/8"	2 3/8"	1 3/8"	0.5	**2.35**
A-4728	1, 2, 3, or 4 Circuit Mixer	Single Grid	50, 100, 150, 200	100,000	1:22.2	TD	2 11/16	2 3/4"	2 3/16"	1.8	**6.95**

Microphone or Line to Line Transformers

A-4350	Sgl. or D.B. microphone	Line	50, 125, 200, 333, 500	50, 125, 200, 333, 500	Q	2"	3 1/4"	1 3/4"	1.0	**$5.60**
A-4407	Sgl. or D.B. microphone	Line	50, 125, 200, 333, 500	50, 125, 200, 333, 500	D	3 3/16"	2 5/8"	3 1/4"	2.6	**9.60**

Line to Voice Coil Transformers

Stancor No.	For Coupling	Primary Impedance	Secondary Impedance	Max. Audio Watts	Type Mtg.	Dimensions H	Dimensions W	Dimensions D	Wgt. in Ctn.	List Price
A-7947	Line to voice coil	500, 1,000, 1,500, 2,000	6 ohms	8	Q	1 5/8"	2 13/16"	1 9/16"	0.8	**$2.90**
A-7949	Line to voice coil	500, 1,000, 1,500, 2,000	6–8 ohms	12	J	2 5/16"	2 7/8"	1 13/16"	0.9	**3.45**
A-3882	Line to voice coil	250, 333, 500	4, 8, 15	25	D	3 3/16"	2 5/8"	3 1/2"	2.6	**7.25**
A-3883	Line to voice coil	500	4, 6, 8, 15	25	J	2 5/16"	2 7/8"	1 3/4"	1.5	**3.90**
A-3818	Line to voice coil	500, 1,000, 1,500	4, 8, 15	25	J	3 1/8"	3 5/8"	2 1/4"	2.6	**4.75**
A-3820	Line to voice coil	500, 1,000, 1,500, 2,000	4, 8, 15	40	D	4 5/16"	3 5/8"	4 1/2"	5.8	**9.95**
A-3838	Line to speakers autoformer	500	250, 166, 125, 100, 84	30	B	3 1/8"	2 1/2"	2 1/4"	2.6	**5.75**
A-3837	Line to voice coil. 1 to 6 can be paralleled across 500 ohm line	500, 1,000, 1,500, 2,000, 2,500, 3,000	.06 to 8 ohm from primary of 500 ohms—12 to 16 from 1,000, etc.	15	J	2 5/16"	2 7/8"	2"	2.0	**5.00**

Input Transformer—Intercommunication

Stancor No.	From	To	Impedance in Ohms Pri.	Impedance in Ohms Sec.	Core Size	Type Mtg.	Dimensions H	Dimensions W	Dimensions D	Mtg. Ctrs.	Wgt. in Ctn.	List Price
A-4744	Voice Coil	Sgl. Grid	4	25,000	1/2"x5/8"	VE	1 3/8"	2 3/8"	1 1/2"	2 3/8"	0.5	**$2.45**
Has shield cover enclosing entire coil.												

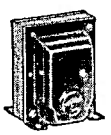
Transceiver Transformers

Stancor No.	Application	Impedance in Ohms Pri.	Impedance in Ohms Sec.	Max. Pri. Ma. D.C.	Max. Audio Watts	Type Mtg.	Dimensions H	Dimensions W	Dimensions D	Wgt. in Ctn.	List Price
A-3833	Sgl. Button Micro. and Plate to Single Grid.	5,000 200	60,000	60	5	A	1 5/8"	2 7/8"	1 1/2"	0.7	**$3.40**
A-4413	Sgl. Button Micro. and Plate to Single Grid.	10,000 200	90,000	45	10	J	2 5/16"	2 7/8"	1 3/4"	1.5	**4.75**
A-3836	Pentode Plate to Low or High Impedance Phone or Oscillator	10,000	2,000 50	30	5	A	1 5/8"	2 7/8"	1 1/2"	0.7	**3.30**

Tone Control Unit

The necessary components for a dual tone control circuit to provide both bass and treble attentuation when used in conjunction with two dual 250,000 ohm potentiometers. Contained in Hi-Fi-type W-1 cast case for shielding against hum pickup and provided with 12 Flexible Coded Leads for direct connection in the circuit. Dimensions H.3 1/2" x W.2 3/4" x L.3 1/16". Packed with complete instructions for installation and use.

STANCOR No. **C-2332-1** ..... List **$8.80**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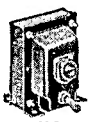
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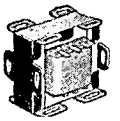
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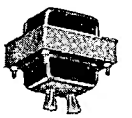
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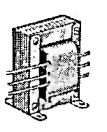
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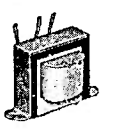
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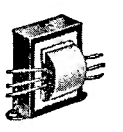
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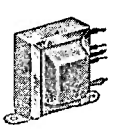
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STANCOR TRANSFORMERS

REACTORS POWER PACKS TRANSMITTERS

Testing Autoformer

Incorporates a convenient tap switch to permit variable voltages from 90 to 150 volts. Primary equipped with 5 ft. approved cord and plug. Secondary connected to female receptacle. Locking screw mounted on switch.

Stancor No.	Secondary Voltage	Primary Voltage	Output Watts	Type Mounting	Dimensions H	W	D	Wgt. in Ctn.	List Price
P-6299	90, 100, 110, 120, 130, 140, 150, @ 50–60 cy.	115V	150	KA	3⅞″	3¼″	4¾″	8.0	**$14.95**

Step-Down Autoformers

These transformers are excellent units to be used with standard apparatus on 220-250 volt lines. May also be wired to step up 110-125 volts to 220-250 volts for test purposes or other applications.

Stancor No.	Primary Volts	Primary Cycles	Secondary Volts	Output Watts	Type Mounting	Mounting Dimensions H	W	D	Wgt. in Ctn.	List Price
P-6287	220–250	50–60	110–125	40	*	4¼″	3″	3″	2.5	**$7.00**
P-5062	220–250	50–60	110–125	80	K	3⅝″	2 15/16″	3¼″	4.5	**8.40**
P-5063	220–250	50–60	110–125	100	K	3¾″	3¼″	3¼″	5.2	**9.65**
P-5064	220–250	50–60	110–125	150	K	4¼″	3½″	3⅝″	6.6	**11.00**
P-5065	220–250	50–60	110–125	250–300	K	4⅝″	3⅞″	4⅛″	9.8	**13.90**
P-6141	220–250	50–60	110–125	500	K	4⅝″	3⅞″	5¼″	14.5	**21.00**
P-6124	220–250	50–60	110–125	1000	F	7⅜″	6″	6⅛″	30.0	**40.00**

* Mounted in special can and equipped with cord, plug and receptacle.

Isolation Transformers

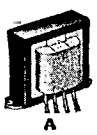
These transformers are designed with an electrostatic shield to isolate line noises and interference from the apparatus being used. They are suitable for screen test booths, electrical therapeutic machines, medical instruments, beauty parlor equipment, electric furnaces, amateur transmitters, etc. Each unit complete with a 6 ft. cord and plug and a female receptacle. Units in first group are straight isolation types; second group are step-down isolation units. Tap switch controls primary voltage, except on Nos. P-6123, P-6125, P-6389 and P-6390.

Stancor No.	Watts	Primary	Secondary	Type Mounting	Mounting Dimensions H	W	D	Weight in Carton	List Price
P-6160	100	125/115/105	115	KA	4⅝″	3⅞″	3⅜″	5.5 lbs.	**$17.25**
P-6161	250	125/115/105	115	KA	4⅝″	3⅞″	5¼″	14.0 lbs.	**34.00**
P-6298	500	125/115/105	115	FK	7⅜″	6″	6¼″	37.0 lbs.	**49.50**
P-6125	1000	125/115/105	115	FK	7½″	7⅛″	6½″	50.0 lbs.	**60.90**
P-6123	1500	125/115/105	115	FK	7½″	7⅛″	7½″	60.0 lbs.	**76.70**
P-6383	100	250/230/210	115	KA	4¾″	4″	3⅝″	7.3 lbs.	**$17.65**
P-6385	250	250/230/210	115	KA	4¾″	4″	5⅜″	14.2 lbs.	**29.80**
P-6387	500	250/230/210	115	FK	7⅝″	6⅛″	7⅛″	29.5 lbs.	**45.95**
P-6389	1000	250/230/210	115	FK	7¾″	7⅜″	6⅞″	34.8 lbs.	**60.90**
P-6390	1500	250/230/210	115	FK	7¾″	7⅜″	8½″	49.8 lbs.	**76.70**

Universal Speaker Field Substitute Choke

Designed for the service department, to take the place of the speaker field on the test bench. Packed with full instructions.

Stancor No.	D.C. Resistance in Ohms	Resistance and Current Rating	Type Mounting	Dimensions H	W	D	Weight in Ctn.	List Price
C-2302	3000 tapped at 2500, 1000 and 750	250, 750, 1000, 1750 ohms—60 Ma. cont. or 75 Ma. Int. Duty 500, 1500, 2000, 2250, 2500, 3000 ohms —40 Ma. cont. or 55 Ma. Int. Duty	B	3⅜″	2⅞″	3″	2.6	**$7.50**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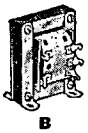
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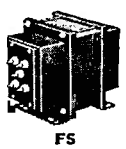
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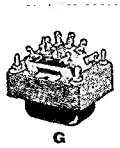
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TRANSFORMERS

REACTORS POWER PACKS TRANSMITTERS

STANCOR

Filter Chokes—Replacement Types

Stancor No.	Rated Inductance in Henries	Maximum Current in Ma.	D.C. Resistance in Ohms	Volts Insulation	Type Mounting	Mounting Dimensions H	W	D	Weight in Ctn.	List Price
C-1515	20	15	900	1650	A	1 5/8"	2 7/8"	1 3/4"	0.7	**$1.80**
C-1706	4.5	50	300	1650	A	1 3/8"	2 3/8"	1 3/8"	0.5	**1.60**
C-1707	7	50	500	1650	A	1 3/8"	2 3/8"	1 3/4"	0.5	**1.60**
C-1003	16	50	580	1650	A	1 7/8"	3 5/16"	1 5/8"	1.4	**2.15**
C-1708	13	65	460	1650	A	1 7/8"	3 1/4"	2 13/16"	1.1	**2.35**
C-1355	8	75	275	1650	L	2 1/4"	2 3/16"	1 3/4"	1.2	**2.50**
C-1002	15	75	400	1650	A	2 1/4"	3 11/16"	1 7/8"	1.7	**2.95**
C-1420	16	80	350	2000	C	3 3/16"	2 5/8"	2 1/2"	2.6	**4.30**
C-1709	8	85	250	1650	A	1 7/8"	3 1/4"	2 13/16"	1.5	**2.75**
C-2305	5	100	275	2000	TD	2 11/16"	2 3/4"	2 3/16"	1.7	**4.00**
C-1001	10.5	110	200	3000	A	2 1/2"	4"	2"	2.4	**3.70**
C-2303	2.5	130	100	2000	A	2"	3 3/8"	1 5/8"	1.4	**2.50**
C-1421	7	140	160	3000	C	3 3/16"	2 5/8"	2 1/2"	2.7	**5.30**
C-2304	2.3	150	65	2000	A	2"	3 3/8"	1 5/8"	1.4	**2.60**
C-2309	3	150	90	2000	A	2 1/4"	3 11/16"	1 7/8"	1.5	**2.80**
C-1710	7	150	200	1650	A	2 1/2"	4"	2 1/16"	2.3	**3.50**

Filter Chokes—Heavy Duty Types

C-1410	4.0	175	100	3000	C	3 3/16"	2 5/8"	2 1/2"	2.7	**5.10**
C-1646	5.0	200	70	5000	C	4"	3 1/4"	3 3/8"	4.7	**7.30**
C-1411	4.5	200	80	3000	C	3 5/8"	2 13/16"	3 1/4"	4.0	**6.30**
C-1721	8.5	200	120	3000	N	4"	3 1/8"	3 1/4"	4.5	**6.30**
C-1703	4.0	250	60	3000	B	3 1/2"	2 13/16"	3 1/2"	3.9	**6.95**
C-1412	4.0	250	60	3000	C	3 5/8"	2 13/16"	3 1/4"	4.8	**7.70**
C-1722	8.0	300	80	3000	N	4 1/2"	3 3/4"	3 1/2"	8.5	**8.50**
C-2308	8.0	300	80	3000	C	4 5/8"	3 7/8"	3 7/8"	9.0	**9.90**
C-1413	8.0	300	80	5000	D	4 5/8"	3 7/8"	3 7/8"	8.5	**11.50**
C-1414	7.5	400	60	5000	D	4 5/8"	3 7/8"	4 7/8"	13.5	**15.85**
C-1415	6.0	500	70	7500	FS	8 3/16"	6"	5 3/4"	17.0	**32.80**

Swinging Chokes

C-1718	13.5-3.5	150	130	2000	C	3 3/16"	2 5/8"	2 1/2"	2.5	**$5.00**
C-1400	12-2	175	100	3000	C	3 3/16"	2 5/8"	2 1/2"	2.7	**5.30**
C-1401	12-2	200	80	3000	C	3 5/8"	2 13/16"	3 1/8"	3.5	**6.50**
C-1645	12-2	200	90	5000	C	3 7/8"	3 1/4"	3 3/8"	4.7	**7.30**
C-1719	18-3	200	120	3000	N	3 3/4"	3 1/8"	3 1/4"	5.0	**6.95**
C-1702	12-2	250	60	3000	B	3 1/2"	2 13/16"	3"	3.9	**6.95**
C-1402	12-2	250	60	3000	C	3 5/8"	2 13/16"	3 1/8"	4.6	**7.70**
C-1720	20-4	300	80	3000	N	4 1/2"	3 3/4"	3 1/2"	8.5	**8.80**
C-2307	20-4	300	80	3000	C	4 5/8"	3 7/8"	3 7/8"	9.0	**9.90**
C-1403	20-4	300	80	5000	D	4 5/8"	3 7/8"	3 7/8"	8.4	**11.25**
C-1404	17-3	400	60	5000	D	4 5/8"	3 7/8"	4 7/8"	12.3	**15.85**
C-1405	16-4	500	75	7500	FS	8 3/16"	6"	5 3/4"	17.0	**32.80**

A.C.-D.C. Chokes

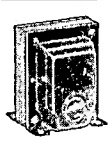
C-1711	4.5	50	325	1500	Q	1 3/8"	2 3/8"	1 3/8"	0.5	**$1.75**
C-1723	4.5	50	325	1500	A	1 3/8"	1 3/8"	1 3/8"	0.5	**1.70**
C-1080	3.5	50	200	1500	A	1 5/8"	2 1/8"	1 3/4"	0.6	**1.70**
C-1325	5.0	50	250	1500	A	1 5/8"	2 1/8"	1 3/4"	0.6	**1.75**
C-1277	7.0	50	300	1500	A	1 5/8"	2 1/8"	1 3/4"	0.6	**1.75**
C-1227	7.0	50	350	1500	A	1 5/8"	2 1/8"	1 3/4"	0.6	**1.75**
C-1279	8.5	50	400	1500	A	1 5/8"	2 1/8"	1 3/4"	0.6	**1.75**
C-1333	8.0	50	450	1500	A	1 5/8"	2 1/8"	1 3/4"	0.6	**1.80**
C-1215	9.0	50	500	1500	A	1 5/8"	2 1/8"	1 3/4"	0.6	**1.75**
C-1362	9.5	50	550	1500	A	1 5/8"	2 1/8"	1 3/4"	0.6	**1.80**

Output Chokes

C-1003	16.0	50	550	1500	A	2"	3 1/4"	1 3/4"	1.4	**$2.15**
C-1034*	8.0	30	1365	1500	A	2"	3 1/4"	1 3/4"	1.3	**2.65**

Audio Reactor

Stancor No.	Rated Inductance in Henries	Inductance Measured at Ma.	Maximum Current Ma.	D.C. Res. Ohms	Volts Insulation	Type Mounting	Mounting Dimensions H	W	D	Weight in Ctn.	List Price
C-2301	135.0	5	10	6500	1500	TD	2 11/16"	2 3/4"	2 3/16"	1.8	**5.20**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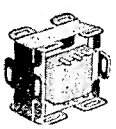
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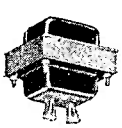
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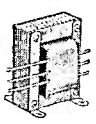
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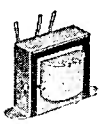
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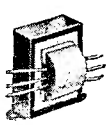
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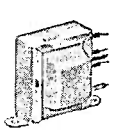
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STANCOR TRANSFORMERS

REACTORS POWER PACKS TRANSMITTERS

Plate Transformers

This group of transformers is designed primarily to deliver the rated D.C. voltage and current outputs when used with full-wave mercury vapor rectifier tubes in conjunction with a two section filter employing choke input and two 2 mfd. condensers working into a resistive load.

Generous coil and core design result in a transformer with above average regulation and efficiency. Phenolic terminal boards and heavy duty ceramic insulators assure protection from voltage breakdown.

Stancor No.	Primary Voltage	D.C. Voltage After Filter	Taps	MA. D.C. ICAS	MA. D.C. CCS	Type Mounting	Mounting Dimensions H	Mounting Dimensions W	Mounting Dimensions D	Weight in Ctn.	List Price
P-8040	115	400	40	375	300	C	4¾″	4″	4½″	12.3	**$14.25**
P-8041	115	500	400-40	310	250	C	4¾″	4″	5⅛″	9.0	**17.50**
P-8042	115	600	400-40	375	300	C	4¾″	4″	6½″	16.5	**23.50**
P-8043	115	750	600-40	375	300	FS	7½″	6⅛″	8″	27.2	**43.50**
P-8044*	115	1000	400	190-190	150-150	FS	7½″	6⅛″	8¼″	28.0	**45.50**
P-8045	115	1000	750	310	250	FS	7½″	6⅛″	8″	27.2	**43.50**
P-8025	115	1000	750	500	400	FS	7½″	6⅛″	8¾″	35.5	**45.80**
P-8026	115	1250	1000	375	300	FS	7⅝″	7⅜″	8¼″	36.0	**54.00**
P-8027	115	1250	1000	625	500	FS	7⅝″	7⅜″	9″	40.0	**58.80**
P-8028	115	1500	1250	375	300	FS	7⅝″	7⅜″	8½″	38.0	**56.00**
P-8029	115-230	1500	1250	625	500	FS	11¼″	7⅜″	8¾″	52.0	**74.00**
P-8030	115	1750	1500	375	300	FS	7⅝″	7⅜″	9″	40.0	**62.00**
P-8031	115-230	1750	1500	625	500	FS	11¼″	7⅜″	8¾″	52.0	**88.50**
P-8032	115	2000	1750	375	300	FS	7⅝″	7⅜″	9¼″	45.0	**71.00**
P-8033	115-230	2000	1750	625	500	FS	11¼″	7⅜″	9½″	57.0	**102.00**
P-8034	115-230	2500	2000	375	300	FS	11¼″	7⅜″	8¾″	52.0	**86.80**
P-8035	115-230	2500	2000	575	500	FS	11¼″	7⅜″	9¾″	60.0	**112.00**

* Secondary with taps suitable for dual rectifier supply. Each output available at rated current.
NOTE: Transformers with more than one high voltage output have secondary with taps suitable for dual rectifier supply. Total current should not exceed rating.

Bias Transformers

Stancor No.	D.C. Output Volts	D.C. Output Ma.	Filament Volts	Filament Amps.	Primary Volts	Type Mounting	Dimensions H	Dimensions W	Dimensions D	Weight in Ctn.	List Price
P-6317	90-130-170-200	200	5 C.T.	3	115	CD	3⅞″	3¼″	3¾″	4.9	**$14.00**
P-6318	250-350-400-450	200	5 C.T.	3	115	CD	4¼″	3 9/16″	4¼″	7.0	**16.00**

Above plate and bias transformers are for listed voltage 60 cycle operation.
Other voltage and frequency combinations available on special order. Write for quotations.

Stancor's Power Pack - Model 752

CONTINUOUS OUTPUT RATING—6 Volts @ 12.5 Amperes D.C.—5% max. ripple at full load.

INTERMITTENT OUTPUT RATING—25.0 Amperes D.C. For use with push-button or floor-switch magnetic tuning of all popular car radio receivers.

CONTINUOUS VOLTAGE CHECK—Built-in voltmeter for visual checking of output voltage.

ADJUSTABLE VOLTAGE CONTROL—Tap switch provides selection of proper output voltage for various loads.

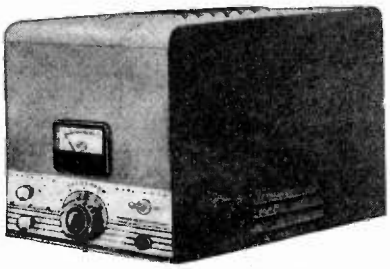
CONSERVATIVE RATING—Built with heavy duty components throughout.

HIGH OVERLOAD CAPACITY—Low internal resistance—good voltage regulation provide high output current capability for intermittent loads.

CONTROL PANEL—Readily accessible at front of case.

STURDY STEEL CASE—Featuring mechanical strength—neat appearance.

User's Net $43.90



FOR DEMONSTRATING AND SERVICING

- AUTO RADIOS AND OTHER AUTO ACCESSORIES
- BATTERY CHARGING
- OPERATING RELAYS AND SOLENOIDS
- REPLACING STORAGE BATTERIES
- LABORATORY TESTING
- BRUSH PLATING


A


B


C


D


FA-FB


FK


FS


G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TRANSFORMERS

REACTORS · POWER PACKS · TRANSMITTERS

STANCOR

Filament Transformers—Single Secondary

This group of filament transformers represents a complete listing of all commonly used electrical and physical specifications for units of this type. All transformers except those especially indicated have center taps. They are designed to provide accurate voltage output at rated loads with good regulation. Generous insulation provides a safety factor over and above the test voltage as indicated. Each group of transformers by voltage ratings is available in several convenient mounting styles which lend themselves to most applications.

Stancor No.	Primary Voltage	Secondary Volts	Secondary Amperes	Type Mounting	Mounting Dimensions H	W	D	Sec. Volts Insulation	Weight in Ctn.	List Price
P-4026	115	2.5 C.T.	1.5	A	1 9/16"	1 5/16"	2 3/16"	2,500	0.5	**$3.00**
P-4082	105–115	2.5 C.T.	2.5	TD	2 11/16"	2 3/4"	2 3/16"	2,500	1.4	**6.00**
P-6133	115	2.5 C.T.	5	S	2 11/16"	2 1/2"	2 3/4"	7,500	2.7	**4.50**
P-4083	105–115	2.5 C.T.	6	C	3 1/8"	2 5/8"	2 3/4"	2,500	2.2	**6.50**
P-3024	105–115	2.5 C.T.	10	C	3 1/8"	2 5/8"	2 5/8"	2,500	2.7	**6.25**
P-3060	115	2.5 C.T.	10	B	3 1/2"	2 13/16"	2 1/2"	10,000	3.0	**5.70**
P-3025	105–115	2.5 C.T.	10	FA	5"	4 1/4"	8 1/2"	10,000	5.3	**16.50**
P-3026	105–115	5.0 C.T.	3	C	3 1/8"	2 5/8"	2 5/8"	2,500	2.5	**6.00**
P-4088	115	5.0 C.T.	3	B	3 1/8"	2 1/2"	2 1/8"	2,500	2.0	**4.80**
P-3062	115	5.0 C.T.	6	B	3 1/8"	2 1/2"	2 3/4"	2,500	2.5	**5.50**
P-5000	105–115	5.0 C.T.	6	C	3 1/8"	2 5/8"	2 7/8"	2,500	3.2	**6.50**
P-6135	115	5.0 C.T.	10	N	3 1/8"	2 5/8"	3 1/4"	2,500	3.1	**6.00**
P-4086	105–115	5.0 C.T.	14	FA	5"	4 1/4"	8 1/2"	10,000	9.4	**19.50**
P-6302	105–115	5.0 C.T.	22	FA	5"	4 1/4"	8 1/2"	10,000	12.0	**21.10**
P-6305	105–115	5.0 C.T.	30	FB	5"	4 1/4"	10"	10,000	17.1	**22.00**
P-6137	115	5.25 C.T.	13	N	3 7/8"	3 1/4"	3 5/8"	2,500	4.2	**7.60**
P-6134	115	6.3 C.T.	1.2	A	1 5/8"	2 13/16"	1 1/2"	2,500	0.6	**2.65**
P-5014	115	6.3 C.T.	3	B	3 1/8"	2 1/2"	2 1/4"	2,500	2.0	**4.50**
P-4019	105–115	6.3 C.T.	4	C	3 1/8"	2 5/8"	2 5/8"	2,500	2.8	**5.75**
P-3064	115	6.3 C.T.	6	B	3 1/8"	2 1/2"	2 3/4"	2,500	2.4	**5.50**
P-4089	105–115	6.3 C.T.	6	C	3 5/8"	2 15/16"	3 1/8"	2,500	3.7	**6.50**
P-6308	105–115	6.3 C.T.	10	N	3 1/2"	2 13/16"	3 1/8"	2,500	4.0	**6.40**
P-6309	115	6.3 C.T.	20	N	4 5/8"	3 7/8"	3 7/8"	2,500	7.5	**12.50**
P-5015	115	7.5 C.T.	4	B	3 1/8"	2 1/2"	2 1/2"	2,500	2.5	**4.50**
P-4091	105–115	7.5 C.T.	5	C	3 5/8"	2 13/16"	2 7/8"	2,500	4.0	**7.75**
P-6138	115	7.5 C.T.	8	N	3 3/4"	3 1/8"	3 1/2"	2,500	4.1	**7.60**
P-4092	105–115	7.5 C.T.	8	C	3 7/8"	3 1/4"	3 5/8"	2,500	5.6	**8.00**
P-5016	115	10.0 C.T.	4	B	3 1/2"	3"	2 7/8"	2,500	3.0	**6.00**
P-4096	105–115	10.0 C.T.	5	C	3 7/8"	3 1/4"	3 3/8"	2,500	4.6	**8.25**
P-6139	115	10.0 C.T.	8	N	3 7/8"	3 1/4"	3 1/2"	2,500	4.1	**7.45**
P-4097	105–115	10.0 C.T.	8	C	3 7/8"	3 1/4"	3 5/8"	2,500	5.8	**8.50**
P-5002	105–115	10.0 C.T.	12	FA	5"	4 1/4"	8 1/2"	7,500	11.6	**20.00**
P-3020	105–115	11.0 C.T.	10	C	4 5/8"	3 7/8"	3 7/8"	2,500	7.8	**12.50**
P-6164	115	*6.3, 5, 2.5	2.5	B	2 5/8"	2 1/4"	2 3/4"	2,500	1.8	**4.50**

Multiple Secondary

P-5009	105–115	5.0 C.T. 6.3 C.T.	3.0 6.0	C	3 7/8"	3 1/4"	3 3/8"	2,500	4.7	**10.65**
P-5008	105–115	5.0 C.T. 6.3 C.T.	4.0 3.6	C	3 5/8"	2 15/16"	3 1/4"	2,500	4.0	**9.30**
P-4022	105–115	5.0 C.T. 6.3 C.T.	6.0 6.0	C	3 7/8"	3 1/4"	3 3/8"	2,500	5.0	**10.50**
P-4090	115	6.3 C.T. 7.5 C.T.	3.0 4.0	B	3 1/2"	2 7/8"	3"	2,500	3.7	**7.50**
P-6144	115	2.5 C.T. 5.0 C.T. 6.3 C.T.	3.5 3.0 3.0	C	3 5/8"	2 15/16"	3 1/8"	2,500	4.0	**9.70**
P-6333	115	7.5, 6.3 C.T. *5.0 *5.0 *6.3	3.0 3.0 3.0 4.0	B	2 7/8"	3 3/8"	2 3/4"	2,500	4.6	**10.25**
P-6338	115	6.3 *2.5, *5.0 5.0 C.T.	3.0 2.0	N	3 1/2"	2 7/8"	2 3/4"	2,500	4.0	**9.10**

* Windings not center tapped. Other voltage and frequency combinations available on special order. Write for quotations.


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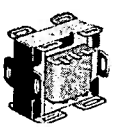
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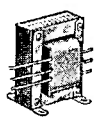
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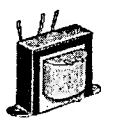
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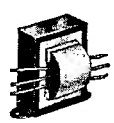
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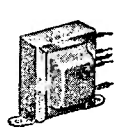
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STANCOR TRANSFORMERS

REACTORS · POWER PACKS · TRANSMITTERS

Listings cover two distinct groups of transformers, universal or Poly-pedance and specific types. The latter group covers the most frequently used ratios, core sizes and mounting styles. They should be used in permanent installations whenever possible since their design permits the best efficiency and fidelity for units of this type. Poly-pedance transformers are ideally suited for use in experimental or temporary equipment, such as schools, laboratories, etc., since they are provided with a large number of taps to permit the user to secure the widest practical range of impedance match. All units represent outstanding values.

Modulation Transformers—Poly-Pedance

Stancor No.	Max. Aud. Watts	Pri. Ma. Per Side	Secondary Ma. Series	Secondary Ma. Parallel	Type Mounting	Dimensions H	Dimensions W	Dimensions D	Weight in Ctn.	List Price
A-3891	15	45	45	90	D	3 3/16"	2 5/8"	3 1/8"	2.5	**$12.00**
A-3892	30	80	80	160	D	3 7/8"	3 1/4"	3 7/8"	6.0	**12.00**
A-3893	60	125	125	250	D	3 7/8"	3 1/4"	4 3/8"	7.3	**14.00**
A-3894	125	150	150	300	D	4 5/8"	3 7/8"	5"	12.0	**18.45**
A-3898	300	260	260	520	FS	7 5/8"	7 1/8"	9"	40.0	**57.85**
A-3899	600	350	350	700	FS	11 1/4"	7 1/8"	9"	75.0	**119.35**

Plate Modulation Transformers

Stancor No.	Output Tubes	Class	Impedance Pri.	Impedance Sec.	D.C. Pri. Ma.	D.C. Sec. Ma.	Max. Audio Watts	Type Mtg.	Dimensions H	Dimensions W	Dimensions D	Wght. in Ctn.	List Price
A-3812	1-1G6, 1J6, 19, 6E6, 6G6, 6Z7; P.P. 1H4, 30, 49, 1-1G5, 6K6, 37, 38, 41	B A	10,000	4,000	32	50	5	A	1 5/8"	2 7/8"	1 1/2"	0.7	**$2.90**
A-3871	1-6B5*, 6F6*, 6L6, 6N6*, HY69	A1	4,500	8,500	60	50	10	TD	2 11/16"	2 3/4"	2 3/16"	1.8	**$5.75**
A-3873	P.P. 6L6, RK56, HY60	AB1	8,500	8,000	100	100	25	C	3 3/16"	2 5/8"	3 5/8"	6.1	**8.80**
A-3845	1-6A6, 6N7, 53, 79, 6Y7 P.P. 6F6, 6V6, 2A5, 42	B AB2	10,000	3,000, 5,000 6,500, 8,000	100	100	25	C	3 3/16"	2 5/8"	2 3/4"	3.5	**6.15**
A-3855	P.P. 2A3, 6A3, 45, 6A5, 6B4, 50; P.P. 6L6	AB A1	3,000 5,000	5,350, 8 350 10,000	80	100	25	C	3 7/8"	3 1/4"	3 1/8"	5.2	**7.90**
A-3868	P.P. 6L6	AB1	6,600	10,000, 12,000	100	70	35	C	3 3/16"	2 5/8"	3 5/8"	6.1	**8.40**
A-3808	P.P. 6L6, 807, HY61, RK41 P.P. PAR. 6L6	AB2 AB1	3,800 3,300	4,000, 5.000 7,500 10,000	260	170	60	D	4 5/8"	3 7/8"	4 3/4"	7.7	**13.25**
A-2907	P.P. 10, T20, TZ20, HY25, 46, 801, 825, 841	B	8,000	3,300, 5,000 6,800, 9,000 12,500	200	150	90	D	4 5/8"	3 7/8"	5 1/4"	10.2	**14.55**
A-2908	P.P. RK18, T20, TZ20, HY25, RK31, 35T, 50T, 800, 801, 830B, 1623	B	7,200 12,000	3,000, 4,500 5,350, 6,250	260	220	120	D	4 5/8"	3 7/8"	5 5/8"	10.4	**15.35**
A-3829	P.P. RK12, HY25, 35T, HY40Z, T40, TZ40, 100TL. HK354, 756, 809, 830B	B	6,900 9,000	3,300, 4,000 5,000, 6,250	250	300	175	D	4 5/8"	3 7/8"	6 1/8"	11.8	**16.55**

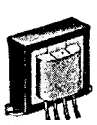
* Secondary winding used as primary.

Cathode Modulation Transformer

Stancor	Impedance Primary	Impedance Secondary	D.C. Pri. Ma.	D.C. Sec. Ma.	Max. Audio Watts	Type Mtg.	Dimensions H	Dimensions W	Dimensions D	Wgt. in Ctn.	List Price
A-3889	4000, 6000, C.T.	150, 250, 500, 750, 1000, 1500, 2000, 2500	125	450-250	60	D	3 7/8"	3 1/4"	4 1/4"	4.8	**12.55**

Line to R.F. Load Modulation Transformer

Stancor No.	Ohms Impedance Primary	Ohms Impedance Secondary Load	D.C. Sec. Ma.	Max. Audio Watts	Type Mtg.	Dimensions H	Dimensions W	Dimensions D	Wgt. in Ctn.	List Price
A-3866	500,200	5,000, 6,000, 7,000, 8,000, 9,000, 10,000	150	30	D	4 5/16"	3 9/16"	3 1/2"	6.5	**12.15**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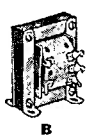
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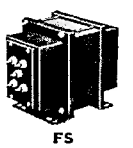
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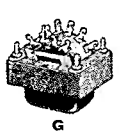
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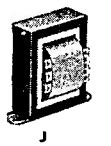
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TRANSFORMERS

REACTORS POWER PACKS TRANSMITTERS

STANCOR

Two distinct groups of driver transformers are shown. Tapped or Poly-pedance and specific or fixed ratio types. Poly-pedance units are especially designed for experimental and laboratory work where it is desirable to change the turns ratio to optimum value. Two power ratings one of which is applicable to circuits employing inverse feedback and two line drivers are available. Specific types are listed in the most frequently used ratios, core sizes and mounting styles. They should be used wherever possible in permanent installations because their design permits the best efficiency and fidelity for units of this type.

Poly-Pedance Driver Transformers

Stancor No.	Capacity in Watts	Primary Ma. per Side	Ratio Primary to ½ Secondary	Type Mtg.	Dimensions H	W	D	Weight in Ctn.	List Price
A-4761	15	60	1.25:1, 1.4:1, 1.6:1, 1.8:1, 2:1, 2.2:1, 2.4:1	CD	3 3/16"	2 5/8"	3 3/4"	3.0	**$13.00**
A-4762	15	60	2.6:1, 3:1, 3.2:1, 3.4:1, 4:1, 4.5:1, 5:1	CD	3 3/16"	2 5/8"	3 1/4"	2.8	**12.10**
A-4763	30	120	1.25:1, 1.5:1, 1.75:1, 2:1, 2.25:1, 3.2:1	CD	3 5/8"	3"	4"	4.3	**13.95**

Poly-Pedance Line Driver Transformers

Stancor No.	Capacity in Watts	Ratio Primary to ½ Secondary	Dimensions H	W	D	Type Mtg.	Weight in Ctn.	List Price
A-4765	15	1:0.75, 1:0.85, 1:1, 1:1.25, 1:1.45, 1:1.75, 1:2, 1:2.25, 1:2.5, 1:2.75, 1:3.15	3 3/16"	2 5/8"	3 1/2"	CD	3.0	**$13.50**
A-4766	30	1:075, 1:0.85, 1:1, 1:1.25, 1:1.45, 1:1.75, 1:2, 1:2.25, 1:2.5, 1:2.75, 1:3.15	3 5/8"	3"	3 3/4"	CD	4.0	**14.85**

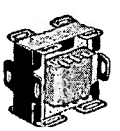
Driver Transformers

Stancor No.	From	To	Class	Impedance Pri.	Impedance ½ Sec.	Ratio Pri. to ½ Sec.	D.C. Pri. Ma.	Type Mtg.	Mounting Dimensions H	W	D	Wgt. in Ctn.	List Price
A-4752†	P.P. or Sgl. 45, 6F6, 2A5, 42, 6K6, 6N7, 6C5	P.P. 6K6, 2A5, 42, 6F6, 6L6, 6V6, 6Y6, 6Z7	AB	10,000	10,000 4,400 2,500	1:1 1.5:1 2:1	35	S	2 1/4"	2 7/8"	1 7/8"	1.5	**$4.00**
A-4405	Sgl. 45, 6F6, 42, 2A5, 6K6, 41	PP. 42, 89 2A5, 6F6, 6V6, 6Z7	B	10,000	6,400	1.24:1	40	C	3 3/16"	2 5/8"	2 5/8"	2.7	**6.60**
A-4721	Sgl. 2A3, 6A3, 45, 46, 59, 42, 6F6, 2A5, 89, 53, 6A6, 6N7, 6C5, 37, 30 1H4	P.P. 1J6, 19, 79 6Z7, 53, 6N7, 42, 45, 6F6, 46, 49, 2A5, 59, 89, 6K6, TZ20	B	10,000 22,500	2,500	2:1 3:1	30	TD	2 11/16"	2 3/4"	2 3/16"	1.5	**5.70**
A-4404	P.P. 2A3, 6A3, 45, 6L6, 6V6 P.P. PAR. 2A3 6F6, 50, 42, 59	P.P. 849 P.P. 800, 830B 10, RK18, HF100, 811	A B	14,000	3,500	2:1	90	C	3 5/8"	3"	3 1/8"	3.7	**7.30**
		P.P. 154, 812, 203A, 838, 211, 203Z, RK38, HF100, 100TL, HF200, 822, HD203A.354, 150T											
A-4292	Sgl. 6C5, 6J5, 30, 1H4, 49	P.P. 1J6, 19, 79, 6Z7, 30 1H4, 49	B	10,000	1,600	2.5:1	10	A	1 5/8"	2 13/16"	1 1/2"	0.7	**2.60**
A-4208‡	P.P. 6C5, 6J5, 6N7, 6L5, 56, 27, 76, 55, 85, 6R7	P.P. 2A3, 2A5, 6A3, 6F6, 6L6, 6V6, 42, 45, 50, 59, 89	AB	25,000	3,200	2.79:1	15	C	3 5/16"	2 5/8"	2 5/8"	2.5	**6.00**
A-4210	Sgl. 2A3, 6A3, 45, 46, 59, 2A5 6F6, 42, 89, 6C5, 6N7, 76	P.P. 2A3, 6A3 46, 59 P.P. 2A5, 42, 45, 6F6, 6L6, 807	B AB	22,500	2,500	3:1	40	C	3 5/16"	2 5/8"	2 5/8"	2.6	**5.50**
A-4701‡	P.P. 46, 89, 6C5, 6J5, 56, 37, 27, 76	P.P. 6L6, 6V6, 6Y6, 42, 6F6, 45, 2A3, 6A3	AB1	20,000	2,200	3.1:1	25	C	3 3/16"	2 5/8"	2 5/8"	2.7	**6.35**
A-4212	P.P. 2A3, 6A3, 45, 6L6	P.P. 801, 830B	B	25,600	2,500	3.2:1	50	C	3 3/16"	2 5/8"	2 5/8"	2.6	**6.15**
		35T, 808, 838, RK57, HY40Z, 805, 828, 756, 100TL, 100TH, TZ20, T140, P.P. Par. 46, 59, PP. 807											
A-4216	Sgl. 53, 6A6, 6N7, 79, 6E6 P.P. 53, 6A6, 6N7	P.P. 53, 6A6, 6N7 6E6, 6N6, 89 P.P. Par. 53, 6A6, 6N7	B	25,000	1,000	5:1	15	TD	2 11/16"	2 3/4"	2 3/16"	1.5	**5.50**
A-4416‡	P.P. 2A3, 45, 46, 59, 6F6 P.P. 53, 6A6, 6N7	P.P. 6L6, 6V6, P.P. Par. 46, 59 P.P. Par. 53, 6A6, 6N7	AB2 B	30,000	1,200	5:1	40	C	3 3/16"	2 5/8"	2 5/8"	2.7	**6.60**
A-4702‡	Sgl. 2A3, 45, 46, 89, 2A5, 6F6 42	P.P. 6L6, 6V6, 6F6, 45 P.P. Par. 6L6	AB2 AB1	50,000	2,000	5:1	80	C	3 3/16"	2 5/8"	2 5/8"	2.7	**5.80**
A-4703‡	P.P. 2A3, 45, 46, 6L6, 89, 6F6, 2A5, 42	P.P. 807, HY61 P.P. Par. 6L6	AB2	10,000	325	5.6:1	95	C	3 5/8"	3"	3 1/8"	3.8	**7.50**

† P.P. primary ratio is 2:1. ‡ Split Secondary.


CD


KA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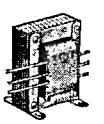
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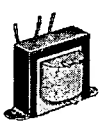
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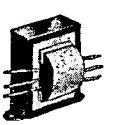
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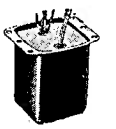
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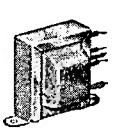

VE

STANCOR TRANSFORMERS

REACTORS POWER PACKS TRANSMITTERS

STANCOR'S HF—WF HIGH FIDELITY AUDIO TRANSFORMERS

These new units will enhance the performance of the finest amplifier circuits, speakers, microphones and pickups. Vacuum impregnation and potted construction insure long life due to excellent protection against moisture. Sturdy cast cases are finished in flat gray enamel and contain four threaded holes at each end for flush mounting. Stud type terminals are provided on a phenolic panel with all terminals plainly marked for easy identification.

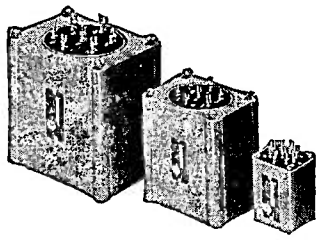
Wide range frequency response from 20 to 20,000 cps. within ±1 db for the HF units and from 30 to 20,000 cps. within ±2 db for the WF units.

Proper coil and core design reduces harmonic and intermodulation distortion to a negligible amount.

Special coil construction reduces leakage inductance and distributed capacity; results in uniform high response.

Balanced hum-bucking construction and/or high permeability magnetic shielding minimize hum pickup.

Nickel alloy laminations result in improved low frequency response in the smaller units where size and space are at a premium.



Low Impedance to Grid

Stancor No.	Application	Primary Impedance	Secondary Impedance	Response ±1 db from	Max. Pri. DC Ma. Unbalance	Max. Level in db	Hum Pickup Reduction	Mtg.	Wgt. Lbs.	List Price
HF-20	Low Imp. Mike, Pickup or Mult Line to Grid	50, 125, 200, 250, 333, 500/600	60,000 ohms overall, in two secs.	20 to 20,000 cps.	0.5	15	−74 db	HF-1	3	**$24.50**
HF-20X	Low Imp. Mike, Pickup or Mult Line to Grid	50, 125, 200, 250, 333, 500/600	50,000 ohms	20 to 20,000 cps.	0.5	14	−92 db	HF-1	3	**31.25**
HF-22	Low Imp. Mike, Pickup or Mult Line to P.P. Grids	50, 125, 200, 250, 333, 500/600	120,000 ohms overall, in two secs.	20 to 20,000 cps.	0.5	15	−74 db	HF-1	3	**27.50**
HF-22X	Low Imp. Mike, Pickup or Line to P.P. Grids	50, 125, 200, 250, 333, 500/600	80,000 ohms overall, in two secs.	20 to 20,000 cps.	0.5	14	−92 dbQ	HF-1	3.0	**34.25**
			Interstage							
HF-29	Sgl. Pl. to P.P. Grids—2A3, 6A3, 6B4-G, etc.	15,000 ohms	95,000 ohms overall	20 to 20,000 cps.	0.5	17	−50 db	HF-1	3	**23.50**
HF-31	Sgl. Pl. to P.P. Grids. Split pri. and sec.	15,000 ohms	135,000. Turns ration 3:1 overall	20 to 20,000 cps.	....	14	−74 db	HF-1	3.0	**24.00**
HF-32	P.P. Plates to P.P. Grids. Split pri. and sec.	30,000 ohms Plate to Plate	80,000. Turns ratio 1.6:1 overall	20 to 20,000 cps.	0.25	26	−50 db	HF-2	7.5	**30.50**
			Mixing							
HF-40	Low Imp. Mixer, Mike, Pickup or Mult Line to Mult Line Line	50, 125, 200, 250, 333, 500/600 ohms	50, 125, 200, 250, 333, 500/600 ohms	20 to 20,000 cps.	0.5	17	−74 db	HF-1	3	**24.50**
			Output							
HF-65	P.P. 2A3, 6A3, 6B4-G, etc. to Line or VC	3,000 or 5,000 ohms Plate to Plate	1.2, 2.5, 5, 7.5, 10, 15, 20, 30, 50, 125, 200, 250, 333, or 500	25 to 20,000 cps.	0.5	20	——	HF-2	7.5	**27.50**
HF-67	P.P. 2A3's, 6A5-G's, 300A's, 275A's, 6A3's, 6L6's	3,000 or 5,000 Plate to Plate	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	20 to 20,000 cps.	0.5	20	....	HF-2	7.5	**20.00**
HF-68	P.P. Par. 2A3's, 6A5-G's, 300A's, 6A3's	1,500 or 2,500 Plate to Plate	500, 333, 250, 200, 125, 50, 30, 20, 15, 10, 7.5, 5, 2.5, 1.2	20 to 20,000 cps.	....	40	....	HF-3	15.0	**40.50**

Input

Stancor No.	Application	Primary Impedance	Secondary Impedance	Response ±2 db from	Mtg.	Wgt. Lbs.	List Price
WF-20	Low Imp. Mike, Pickup or Mult Line to Sgl. Grid	50, 125, 200/250, 333, 500/600	50,000 ohms	30–20,000	WF-6	.6	**$14.50**
WF-21	Low Imp. Mike, Pickup or Mult Line to Sgl. or P.P. Grids	50, 200, 500	50,000 ohms	50–10,000 Multiple allow shield for extremely low hum pickup	WF-6	.6	**15.50**
WF-22	Low Imp. Mike, Pickup or Line to P.P. Grids	50, 125/150, 200/250, 333, 500/600 ohms	80,000 ohms overall in two sections	30–20,000	WF-6	.6	**14.50**
WF-24	Dynamic Mike to 1 or 2 Grids	30 ohms	50,000 ohms in two sections	30–20,000	WF-6	.6	**14.00**
			Interstage				
WF-26	Single Plate to Single Grid	15,000 ohms	60,000 ohms. 2:1 turns ratio	30–20,000	WF-6	.6	**12.75**
WF-28	Sgl. Pl. to 2 Grids. Can use split pri. for P.P. Pl.	15,000 ohms	80,000 ohms overall. 2.3:1 turns ratio overall	30–20,000	WF-6	.6	**14.00**
			Low Level Output				
WF-34	Sgl. Pl. to Mult Line	15,000 ohms	50, 125, 200/250, 333, 500/600 ohms	30–20,000	WF-6	.6	**14.50**
WF-35	Single Plate to Multiple Line	15,000 ohms	50, 125/150, 200/250, 333, 500/600 ohms	30–20,000	WF-6	.6	**14.00**
WF-36	P.P. Low Level Plates to Line	30,000 ohms Plate to Plate	50, 125/150, 200/250, 333, 500/600	30–20,000	WF-6	.6	**15.00**
			Mixing				
WF-30	Low Imp. Mixer, Mike, Pickup or Mult Line to Mult Line	50, 125, 200/250, 333, 500/600 ohms	50, 125, 200/250, 333, 500/600 ohms	30–20,000	WF-6	.6	**14.50**

Dimensions: HF-1 Case, 3¼″ H x 3 1/16″ W x 2 9/16″ D. Mtg. ctrs., 1 15/16″ x 2 1/16″. HF-2 Case, 4⅛″ H x 4 3/16″ W x 3 3/16″ D. Mtg. ctrs. 2 11/16″ x 3 11/16″. HF-3 Case, 4 11/16″ H x 5 9/16″ W x 4 11/16″ D. Mtg. ctrs., 4 3/16″ x 5 1/32″. WF-6 Case, 2″ H x 1½″ W x 1½″ D. Mtg. ctrs., 1 5/32″, x 1 5/32″.

CHICAGO

NEW EQUIPMENT

POWER TRANSFORMERS
FILTER REACTORS

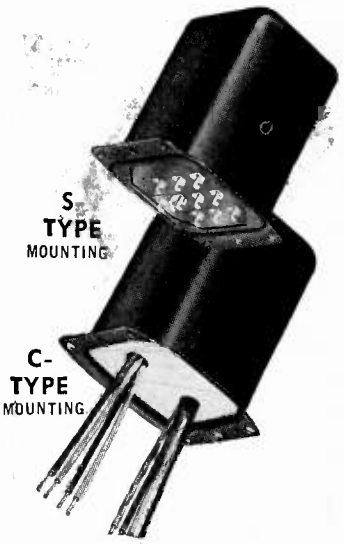
CHICAGO TRANSFORMER DIVISION * ESSEX WIRE CORPORATION

POWER TRANSFORMERS

The power transformers in the CHICAGO New Equipment Line are designed to provide plate and filament supply for from two to sixteen tubes in a wide range of applications. They are conservatively rated and will deliver full rated current and voltage with minimum temperature rise within RMA-recommended limits.

FILTER REACTORS

The CHICAGO filter reactors listed below have current ratings particularly suited for use with the power transformers above them, but will give equally satisfactory service in any other correct application. Their design provides maximum inductance for given current rating in the smallest practical size of unit.



POWER TRANSFORMERS — PLATE AND FILAMENT SUPPLY

For CAPACITOR INPUT SYSTEMS — Primary 117 Volts, 50-60 Cycles

High Voltage Secondary Volts A-C	Ma.	Output D-C V. D-C	Filaments: Rectifier Volts	Rectifier Amps.	Others Volts	Others Amps.	Wt. Lbs.	Case Size	S-Type Mounting Cat. No.	S-Type Mounting List Price	C-Type Mounting Cat. No.	C-Type Mounting List Price
270-0-270	55	260	5	2	6.3CT	2	3	F8	PSC-55	$10.00	PCC-55	$ 6.50
335-0-335	70	320	5	2	6.3CT	3	4¼	F9	PSC-70	11.50	PCC-70	8.00
330-0-330	85	320	5	2	6.3CT	3	5¼	F10	PSC-85	13.25	PCC-85	9.25
345-0-345	105	320	5	2	6.3CT	3.5	6	F10	PSC-105	14.00	PCC-105	10.00
375-0-375	120	380	5	3	6.3CT	4	8½	F11	PSC-120	14.75	PCC-120	11.25
370-0-370	150	390	5	3	6.3CT	4						
					6.3CT	1	9¾	F11	PSC-150	19.50	PCC-150	15.00
385-0-385	200	390	5	3	6.3CT	4.5						
					6.3CT	1	11½	F11	PSC-200	20.75	PCC-200	16.25

For REACTOR INPUT SYSTEMS — Primary 117 Volts, 50-60 Cycles

350-0-350	55	260	5	2	6.3CT	2	3	F8	PSR-55	10.25	PCR-55	6.75
425-0-425	70	320	5	2	6.3CT	3	4¼	F9	PSR-70	11.75	PCR-70	8.25
440-0-440	85	325	5	2	6.3CT	3	5½	F10	PSR-85	13.50	PCR-85	9.50
445-0-445	105	325	5	2	6.3CT	3.5	5¾	F10	PSR-105	14.25	PCR-105	10.25
500-0-500	120	400	5	3	6.3CT	4	8½	F11	PSR-120	15.00	PCR-120	11.50
505-0-505	150	400	5	3	6.3CT	4						
					6.3CT	1	10	F11	PSR-150	19.75	PCR-150	15.25
520-0-520	200	410	5	3	6.3CT	4.5						
					6.3CT	1	11	F11	PSR-200	21.00	PCR-200	16.50
550-370-75-0					6.3CT	1						
-75-370-550	300	425	5	6	6.3CT	5	16	F12	PSR-300	30.00	PCR-300	23.50

FILTER REACTORS

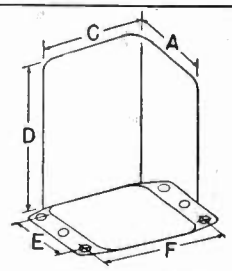
Inductance in henries	Max. Current Ma. D-C	D-C Resistance in Ohms	Insulation Test Volts	Case Size	Wt. Lbs.	S-Type Mounting Cat. No.	S-Type Mounting List Price	C-Type Mounting Cat. No.	C-Type Mounting List Price
15	55	385	2,500	F6	2	RS-1555	$ 5.00	RC-1555	$ 3.75
15	85	270	2,500	F7	2¾	RS-1585	6.00	RC-1585	4.50
12	105	170	2,500	F8	3¼	RS-12105	6.50	RC-12105	5.25
12	150	150	2,500	F9	5	RS-12150	8.75	RC-12150	7.25
12	200	140	2,500	F10	6½	RS-12200	10.25	RC-12200	8.75
10	55	222	2,500	F6	2	RS-1055	4.75	RC-1055	3.50
10	85	175	2,500	F7	2¾	RS-1085	5.75	RC-1085	4.25
8	105	103	2,500	F8	3¼	RS-8105	6.25	RC-8105	5.00
8	150	100	2,500	F9	5	RS-8150	8.50	RC-8150	7.00
8	200	85	2,500	F10	6½	RS-8200	10.00	RC-8200	8.50
8	300	70	2,500	F11	9½	RS-8300	15.50	RC-8300	13.50

FILAMENT TRANSFORMERS — S-Type Mounting

CHICAGO New Equipment filament transformers provide voltage and current ratings for heating a wide range of popular tubes.

Those with secondaries rated for less than 6 amps. have solder-lug terminals as shown in the S-type mounting; those with secondaries rated at more than 6 amps. have screw-type terminals. Filament Transformers Nos. F-210 and F-210H are specially designed for high voltage rectifier filament supply. They have screw-type terminals, insulated on the secondaries with ceramic bushings.

Secondary Volts	Secondary Amps	Primary Volts	Primary Cycles	Insulation Test Volts	Case Size	Wt. Lbs.	Catalog No.	List Price
2.5 CT	5.25	115-230	50-60	3,500	F7D	2	F-25	$ 7.50
2.5 CT	10.0	115-230	50-60	5,000	F8D	3¼	F-210	10.75
2.5 CT	10.0	115-230	50-60	9,000	F9D	4½	F-210H	12.50
5 CT	4.0	115-230	50-60	2,500	F7D	2¾	F-54	7.75
5 CT	10.0	115-230	50-60	2,500	F8D	3¼	F-58	10.75
5 CT	20.0	115-230	50-60	2,500	F10D	6½	F-516	15.50
6.3 CT	5.5	115-230	50-60	2,500	F8D	3¼	F-65	9.00
6.3 CT	10.0	115-230	50-60	2,500	F9D	5	F-610	12.75
7.5 CT	5.0	115-230	50-60	2,500	F8D	3¼	F-75	8.75
7.5 CT	25.0	115-230	50-60	2,500	F11	12	F-725	20.50
10 CT	4.0	115-230	50-60	2,500	F8D	3¼	F-104	9.25
10 CT	6.5	115-230	50-60	2,500	F9D	5	F-106	12.75
10 CT	10.0	115-230	50-60	2,500	F10D	6½	F-1010	15.00
11 CT	10.0	115-230	50-60	2,500	F11	9½	F-1110	16.00



CASE DIMENSIONS
S-TYPE & C-TYPE MOUNTINGS

Case Size	Dimensions in Inches A	C	D	E	F
F6	2¼	2⅛	2⅛	1½	2⅜
F7	2½	2⅜	3⅛	1¾	2⅛
F8	2⅞	2⅛	3⅜	2	3⅛
F9	3¼	3	4¼	2¼	3½
F10	3⅛	3⅝	4⅛	2¾	3⅞
F11	4⅛	4⅛	5⅛	2½	4¾
F12	5⅛	4⅛	6⅛	3½	5⅜

For details on mounting constructions, see bottom of next page.

BIAS TRANSFORMERS

Combination plate and filament supply transformers. High voltage secondaries, 180/160/140/120 volts a-c at 150 ma d-c; rectifier filament windings, 5 volts at 3 amps. Available with either 115-volt or 230-volt primaries. In drawn steel cases, case size F9, in either the "S" or "C" type of mounting. Wt., 5 lb.

S-Type Mounting

Primary Volts	Catalog No.	List Price
115	1BS-150	$13.00
230	2BS-150	12.75

C-Type Mounting

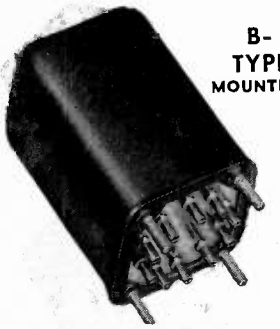
115	1BC-150	8.25
230	2BC-150	8.00

CHICAGO

NEW EQUIPMENT

AUDIO TRANSFORMERS

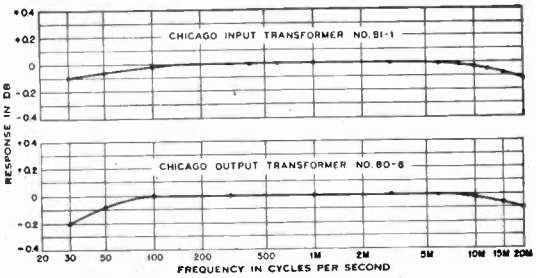
CHICAGO TRANSFORMER DIVISION * ESSEX WIRE CORPORATION



B-TYPE MOUNTING

FULL FREQUENCY RANGE AUDIO TRANSFORMERS

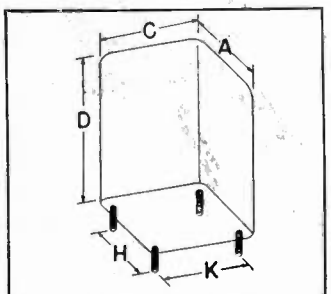
Frequency Response within ±½ db, 30 to 15,000 Cycles



The frequency response curves at left are typical of these CHICAGO transformers. This, plus a very low percentage of distortion over the full range and their high grade construction, recommends them to all users of fine, broadcast quality audio components.

Input units have hum-bucking core construction and inner alloy cases for extra hum shielding.

For Full Frequency Range DRIVER and MODULATION TRANSFORMERS, see page N-20



B-TYPE MTG. DIMENSIONS

Case Size	Dimensions in Inches A	C	D	H	K
S6D	2¼	2⅛	2⅛	1 9/16	1⅜
S7	2½	2⅜	3⅛	1⅛	1⅛
S8	2⅞	2⅛	3½	2	1⅞
S9	3¼	3	3⅞	2⅜	2⅛
S9D	3¼	3	4¼	2⅜	2⅛
S10	3⅛	3⅝	4⅝	2⅝	2⅜

INPUT TRANSFORMERS — B-Type Mounting

Application	Impedance Primary—Secondary	Max. Power Level	Hum Shielding	Case Size	Wt., Lbs.	Cat. No.	List Price
Line to Single or P-P Grids	*Pri: 600/150 ohms CT *Sec: 50,000 ohms CT	+15 dbm.	—70 dbm.	S6D	2	BI-1	$22.00
Line to Single or P-P Grids	*Pri: 600/150 ohms CT *Sec: 50.000 ohms CT	+15 dbm.	—90 dbm.	S6D	2	BI-2	29.00
Line bridging to P-P Grids	*Pri: 8,000/6,000 ohms CT *Sec: 50,000 ohms CT	+15 dbm.	—70 dbm.	S6D	2	BI-3	21.00
Line to line	Pri: 600/150 ohms CT Sec: 600/150 ohms CT	+15 dbm.	—70 dbm.	S6D	2	BI-4	21.00
Line to line	*Pri: 600/150 ohms CT *Sec: 600/150 ohms CT	+30 dbm.	—90 dbm.	S9	3	BI-5	30.00
Interstage: P-P Plates to Sgl.or P-P Grids	*Pri: 20,000 ohms CT *Sec: 50,000 ohms CT	+15 dbm.	—70 dbm.	S6D	2	BI-6	22.00

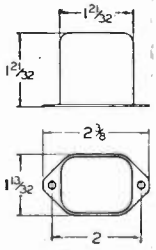
*Split and balanced windings.

OUTPUT TRANSFORMERS — B-Type Mounting

Application	Impedance Primary—Secondary	Max. Power Level	Case Size	Wt., Lbs.	Cat. No.	List Price
Single Plate to Line	†Pri: 15,000 ohms *Sec: 600/150 ohms CT	+15 dbm.	S7	2	BO-1	$13.00
P-P Plates to Line	*Pri: 20,000 ohms CT *Sec: 600/150 ohms CT	+30 dbm.	S8	2¾	BO-2	19.00
P-P Plates to Line	Pri: 5,000 ohms CT *Sec: 600/150 ohms CT	+40 dbm.	S10	5	BO-3	17.00
P-P Plates to Line	Pri: 7,500 ohms CT *Sec: 600/150 ohms CT‡	+43 dbm.	S10	5	BO-4	18.00
P-P Plates to Line	*Pri: 10,000 ohms CT *Sec: 600/150 ohms CT and 16/8/4 ohms	+37 dbm.	S9D	4	BO-5	24.00
P-P Plates to Voice Coil	*Pri: 7,500 ohms CT Sec: 8/20 ohms‡	+43 dbm.	S10	5	BO-6	23.00
Line to Voice Coil	Pri: 600/150 ohms Sec: 8/20 ohms	+45 dbm.	S10	5	BO-7	22.00

*Split and balanced windings. †0 to 10 ma. D.C.
‡Has tertiary winding to provide 15% inverse feedback.

HIGH Q CHOKES for Dynamic Noise Suppression Circuits (S-Type Mounting)



Two efficient reactors, inductance values .8 and 2.4 henrys respectively, are designed for noise suppression circuits, but can be used in any tuned circuit requiring the given inductances. Inductance values accurate within ±5% with up to 15 ma. dc. Minimum Q of 20. Mounted in identical drawn steel cases.

Cat. No.	Inductance	List Price
NSI-1	.8 hy.	$7.50
NSI-2	2.4 hy.	7.50

DETAILS OF NEW EQUIPMENT LINE MOUNTINGS

The New Equipment Line offers these exclusive features: (1) Uniformity of mounting — all but the largest units have CHICAGO's famous Sealed in Steel constructions; (2) Choice of two alternate mountings, the S-Type and C-Type, in most categories.

A third construction, the B-Type mounting, is used for the Full Frequency Range audio units, where fine wire windings deserve the highest degree of sealing against moisture.

All three mountings achieve: 1. "Steel wall" protection against corrosive moisture; (2) Efficient shielding; (3) Unsurpassed strength to withstand shock and vibration; (4) Compactness; (5) Clean, streamlined appearance.

C-TYPE MOUNTING — Moisture-resistant compound surrounds coil and core. Ten-inch, RMA-color-coded leads, ends stripped and tinned for easy soldering. Flange-mounted drawn steel cases.

S-TYPE MOUNTING — Precision-fitted steel base-covers and terminal boards, plus compound filling, keep moisture out. Solder-lug terminals are clearly identified, easy to use. Drawn steel cases are flange-mounted.

B-TYPE MOUNTING — Steel bases are bonded into the drawn steel cases by deep-seal soldering to make units completely moisture proof. Stud-mounted cases take minimum chassis space. Convenient, compact, pin-type terminals.

PUBLIC ADDRESS RANGE AUDIO TRANSFORMERS

Frequency Response within ±1 db, 50 to 10,000 Cycles

Driver and output transformers in this CHICAGO series are designed for three general power levels to fit a wide range of application. Up-to-date secondary impedances match 600 or 150-ohm lines, 16, 8, and 4-ohm speakers. (16/8/4-ohm taps also suitable for 20/6/3.2-ohm speakers.) Output transformers have tertiary windings for 10% inverse feedback that minimizes distortion and provides extra audio watts without loss of fidelity.

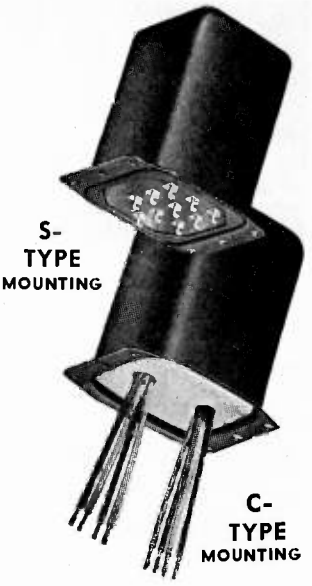
INPUT TRANSFORMERS

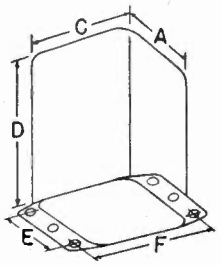
Application	Primary Impedance	Max. D-C Pri. CT	Ratio, Pri. to ½ Sec.	Case Size	Wt. Lbs.	S-Type Mounting Cat. No.	S-Type Mounting List Price	C-Type Mounting Cat. No.	C-Type Mounting List Price
P-P Plates to P-P Grids	20,000 ohms (Pri. CT)	10 ma.	3:1	F7	2	PSD-10	$ 7.25	PCD-10	$ 5.00
P-P Plates to P-P Grids	20,000 ohms (Pri. CT)	25 ma.	3:1	F7D	2¾	PSD-25	7.00	PCD-25	4.75
P-P Plates to P-P Grids	5,000/10,000 ohms (Pri. CT)	100 ma.	5:1	F9	5	PSD-100	12.00	PCD-100	8.50

OUTPUT TRANSFORMERS

Application	Impedances	Typical Output Tubes	Class	Max. Audio Watts	Max. D-C Pri. CT	Case Size Wt.	Cat. No.	List Price
P-P Plates to Line or Voice Coil	Primary: 5,000 ohms, CT Secondary: * 600/150/16/8/4 ohms	2A3, 6A3, 6B4, 6L6, 6V6, etc.	A, AB	20	120 ma.	F10: 6½ lbs.	S-Type Mounting PSO-80 C-Type Mounting PCO-80	$15.00 11.00
P-P Plates to Line or Voice Coil	Primary: 10,000 ohms, CT Secondary: * 600/150/16/8/4 ohms	6V6, 6F6, 6K6, etc.	A, AB, AB_1	15	200 ma.	F9D: 5 lbs.	S-Type Mounting PSO-150 C-Type Mounting PCO-150	13.50 9.50
P-P Plates to Line or Voice Coil	Primary: 6,000 ohms, CT Secondary: * 600/150/16/8/4 ohms	Two 6L6's, four 6V6's, or similar	B, AB_2	30	240 ma.	F11: 9½ lbs.	S-Type Mounting PSO-200 C-Type Mounting PCO-200	16.50 12.50

*Has tertiary winding to provide 10% inverse feedback





CASE DIMENSIONS
S-TYPE & C-TYPE MOUNTINGS

Case Size	Dimensions in Inches A	C	D	E	F
F4D	1½	1½	2⅛		1⅞
F7	2½	2⅜	3⅛	1¾	2⅛
F7D	2½	2⅜	3⅛	1¾	2⅛
F8D	2⅞	2⅛	3¾	2	3⅛
F9	3¼	3	3⅞	2¼	3½
F9D	3¼	3	4¼	2¼	3½
F10	3⅛	3⅛	4⅝	2¾	3⅞
F11	4⅜	4⅛	5⅝	2½	4⅞

For details on mounting constructions, see bottom of opposite page.

COMMUNICATIONS RANGE AUDIO TRANSFORMERS

Frequency Response within ±1 db., 200 to 3,500 Cycles

These transformers are specifically designed for use in receiving and transmitting equipment such as amateur, police, railroad, and aircraft types, where clear voice reproduction is desired. All units, excepting one, are offered in both S- and C-Type mountings. Check the advantages of these Sealed in Steel mountings for protecting the units against deterioration from atmospheric moisture in the field, and for adding to the appearance of any gear.

INPUT TRANSFORMERS

Application	Impedances: Primary — Secondary	Case Size	Wt. Lbs.	S-Type Mounting Cat. No.	S-Type Mounting List Price	C-Type Mounting Cat. No.	C-Type Mounting List Price
Line to Single or Push-Pull Grids	Pri.: 600/150 ohms *Sec.: 100,000 ohms CT	F4D	¾	CIS-1	$10.50	CIC-1	$7.50
S. B. or D. B. mike to Sgl. or P-P Grids	Pri.: 125/50 ohms @ 80 ma. Sec.: 125,000 ohms CT	F4D	¾	CIS-2	6.00	CIC-2	3.75

*Split and balanced windings: may be used singly or push-pull.

OUTPUT TRANSFORMERS

Application	Impedances: Pri. — Sec.	Typical Output Tubes	Class	Max. Audio Watts	Max. Pri. D-C	Case Size	Wt. Lbs.	S-Type Mounting Cat. No.	S-Type Mounting List Price	C-Type Mounting Cat. No.	C-Type Mounting List Price
Sgl. Pl. to Line or Speaker	Pri.: 5000 ohms Sec. ohms: 600/150/16/8/4	6L6, 6V6, 25A6	A	5	55 ma.	F7	2¾	COS-1	$7.50	COC-1	$4.75
Sgl. Pl. to Line or Speaker	Pri.: 8000 ohms Sec. ohms: 600/150/16/8/4	6F6, 6V6, 6K6	A	5	55 ma.	F7	2¾	COS-2	7.75	COC-2	5.00

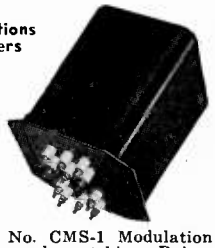
DRIVER TRANSFORMER

Application	Primary Impedance	Max. D-C Pri. CT	Ratio, Pri. to ½ Sec.	Case Size	Wt. Lbs.	S-Type Mounting Cat. No.	S-Type Mounting List Price	C-Type Mounting Cat. No.	C-Type Mounting List Price
P-P Plates (2A3's, etc.) to P-P Grids	5,000 ohms (Pri. CT)	100 ma.	3:1	F8D	3	CDS-1	$8.25	CDC-1	$5.75

MODULATION TRANSFORMER CMS-1

for Communications Transmitters

Freq. Range, 200 to 3,500 Cycles



CHICAGO's No. CMS-1 Modulation Transformer and matching Driver Transformer No. CDS-1, at left, are ideally suited for use in ham and commercial speech transmitters. No. CMS-1 will deliver 250 watts of Class B audio power from P-P 203A's, 211's, 805's, 75TL's, etc. to a Class C load with response variations not exceeding ±1 db. over the stated frequency range. Primary impedances, 9000/6700 ohms ct; secondary, 8000/6000/4000 ohms. Case size F13. Wt., 22 lbs.

No. CMS-1.....List Price, $40.00

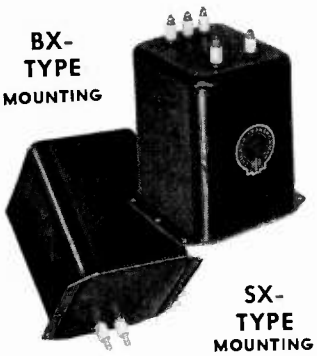
CHICAGO

NEW EQUIPMENT

TRANSFORMERS and REACTORS

for Broadcast, Amateur, and Industrial Application

CHICAGO TRANSFORMER DIVISION * ESSEX WIRE CORPORATION



BX-TYPE MOUNTING

SX-TYPE MOUNTING

DRIVER AND MODULATION TRANSFORMERS

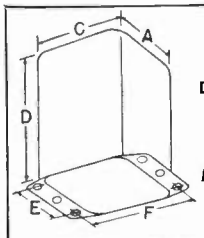
For Full Frequency Range Broadcasting

Ideally suited to the small-to-medium size, high fidelity broadcast station, three matched sets of driver and modulation transformers provide frequency response within ±1 db. over the full 30 to 15,000-cycle range. A uniformly low percentage of distortion proven in use. Three specially designed modulation reactors complete the sets.

CONSTRUCTIONS

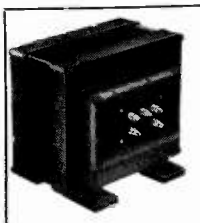
BX-TYPE MOUNTING — Flange mounted case with steel base solder-sealed in. Bushing-insulated screw terminals in the tops of the cases.
SX-TYPE MOUNTING — Flange mounted cases with precision-fitted steel bases. Bushing-insulated screw terminals out the bases of the units.
FS-TYPE MOUNTING — Heavy duty frame-and-shield construction. Screw terminals on the primaries; bushing-insulated terminals on the secondaries.

WC-TYPE MOUNTING — Large oil-filled cases, made of heavy, welded steel plate. High voltage type, bushing-insulated terminals.

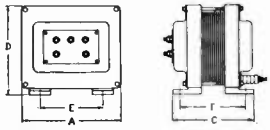


CASE DIMENSIONS FOR BX- & SX-TYPE MOUNTINGS

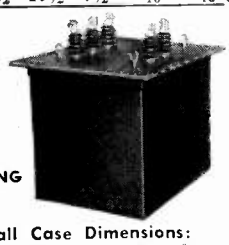
Case Size	Dimensions in Inches A	C	D	E	F
F12	5 5/16	4 3/8	6 1/16	3 1/2	5 3/8
F13	6 1/8	5 1/4	7 1/16	4 1/4	6
F14	7 1/16	6 1/8	8 1/16	5	7



FS-TYPE MOUNTING



Size	Dimensions in Inches A	D	E	F	C
60	7 1/2	7	4 3/4	5 1/2	6 5/16
62	7 1/2	7	4 3/4	6 1/4	7 1/8
63	7 1/2	7	4 3/4	6 1/16	7 1/2
71	8 1/8	8 1/2	5 1/2	6 1/2	8 1/8
81	11 1/2	10 1/2	7 1/2	8 1/4	10 1/4
84	11 1/2	10 1/2	7 1/2	11 1/8	13 1/8



WC-TYPE MOUNTING

Overall Case Dimensions:
H—31 1/2" W—26 1/2" D—23 1/2"

DRIVER TRANSFORMERS

Recommended Application: In:	Tubes:	Ratio Pri./1/2 Sec.	Mtg. Type	Case Size	Wt. Lbs.	Cat. No.	List Price
250-watt transmitter	From two 2A3's, 6B4's, or similar P-P plates to Class B 838's, 805's, 203-A's, etc.	3.5 :1	B*	S10	6	BD-1	$ 30.00
1-KW transmitter	From four 2A3's, 6B4's, or similar P-P plates to two 833-A's or similar P-P grids	3 :1	†	F12	16	BD-2	62.00
5-KW transmitter	From four 845's, two 152-TL's or similar P-P plates to 891-R's or similar P-P grids	3.5 :1	BX	F13	22	BD-3	160.00

†Similar to BX-Type mounting, but with screw terminals on a terminal board.
*B-Type mounting, but with screw terminals. See page N-18 for dimensions.

MODULATION TRANSFORMERS

Recommended Application: In:	With:	Impedances (Pri. Plate to Plate)	Modulator Tubes	Mtg. Type	Size	Wt. Lbs.	Cat. No.	List Price
250-watt transmitter	Driver Transformer #BD-1	Pri.: 7500 ohms CT Sec.: 5000 ohms	203-A, 838 805, etc.	BX	F13	52	BM-1	$ 67.00
1-KW transmitter	Driver Transformer #BD-2	Pri.: 9000 ohms CT Sec.: 7500 ohms	833-A, etc.	FS	84	175	BM-2	390.00 (net)
5-KW transmitter	Driver Transformer #BD-3	Pri.: 13500 ohms CT Sec.: 10250 ohms	891-R, etc.	WC		1100	BM-3	1068.00 (net)

MODULATION REACTORS

Recommended Application: In:	With:	Inductance	D-C Ma.	Mtg. Type	Size	Wt. Lbs.	Cat. No.	List Price
250-watt Transmitter	Mod. Transformer #BM-1	65 hy.	250	BX	F14	41	BR-1	$ 97.00
1-KW Transmitter	Mod. Transformer #BM-2	100 hy.	500	FS	81	165	BR-2	185.00
5-KW Transmitter	Mod. Transformer #BM-3	120 hy.	900	WC		1100	BR-3	891.(net)

PLATE TRANSFORMERS AND REACTORS

Plate voltages and currents available here fit a wide range of usage in both commercial and ham transmitters, and in many types of industrial electronic equipment, including induction heaters. High quality construction and conservative ratings assure top performance.

PLATE TRANSFORMERS — FS-Type Mounting

Primary: Volts	Max. VA.	Secondary: A-C Load Volts	D-C Volts after filter	D-C Ma.	Mtg. Size	Wt. Lbs.	Catalog No.	List Price
115-230	310	1150-0-1150 870-0-870	1000 750	250	60	37	P-107	$ 50.00
115-230	550	1710-0-1710 1430-0-1430	1500 1250	300	63	43	P-1512	65.00
115-230	915	2820-0-2820 2260-0-2260	2500 2000	300	71	55	P-2520	100.00
115-230	1850	3450-0-3450 2850-0-2850	3000 2500	500	81	125	P-3025	175.00

FILTER REACTORS

Inductance in henrys	Max. D-C Ma.	D-C Resistance, Ohms	Insulation Test Volts	Mtg. Type	Mtg. Size	Wt. Lbs.	Catalog No.	List Price
10	500	40	9,000	FS	62	35	R-105	$35.00
10	300	40	7,500	SX	F13	22	R-103	20.00
6	500	35	9,000	FS	60	35	R-65	32.50
6	300	35	7,500	SX	F12	16	R-63	17.00

CHICAGO

REPLACEMENT TYPE

TRANSFORMERS and REACTORS

Premium Quality—Yet They Cost No More

CHICAGO TRANSFORMER DIVISION * ESSEX WIRE CORPORATION

POWER TRANSFORMERS

6.3-VOLT FILAMENTS — VERTICAL SHIELD MOUNTING (V)

Catalog No.	High Voltage Secondary A-C Volts	D-C Ma.	Rectifier Filament Volts	Amps.	Other Filaments Volts	Amps.	Dimensions H	W	D	Wt. Lbs.	List Price
PV-40	225-0-225	40	5	2	6.3 C-T	1	3⅛	2½	2½	2¼	$ 6.60
PV-50	325-0-325	50	5	3	6.3 C-T	2	3¾	2⅞	3¼	3¾	7.40
PV-60	250-0-250	60	5	2	6.3 C-T	2	3⅛	2½	3	3	7.90
PV-70	350-0-350	70	5	3	6.3 C-T	3	4	3⅛	3⅜	5	8.50
PV-70A	300-0-300	70	5	3	6.3 C-T	3	3¾	2⅞	3⅜	4	8.40
PV-90	350-0-350	90	5	3	6.3 C-T	3.5	4	3¼	3½	5¼	9.50
PV-100	350-0-350	100	5	3	6.3 C-T	5	4⅞	3¾	3½	7½	9.80
PV-120	300-0-300	120	5	3	6.3 C-T	5	4	3¼	3¾	5¾	10.00
PV-145	372-0-372	145	5	3	6.3 C-T	5	4⅞	3¾	3¾	9	11.80
PV-200	400-0-400	200	5	4	6.3 C-T	5.5	4⅞	3¾	4	9	13.80

6.3-VOLT FILAMENTS — HORIZONTAL SHIELD MOUNTING (H)

PH-40	250-0-250	40	5	2	6.3 C-T	1.6	3	3	2½	2½	$ 6.80
PH-50	250-0-250	50	5	2	6.3 C-T	2	3½	3	2½	3	6.90
PH-50A	280-0-280	50	5	3	6.3	1.5					
					6.3	.6	3	3	2½	3½	7.10
PH-70	300-0-300	70	5	3	6.3 C-T	3	3½	3⅜	2⅛	4	7.20
PH-70B	350-0-350	70	5	3	6.3 C-T	2.5	3⅝	3	2½	4½	7.30
PH-90	350-0-350	90	5	3	6.3 C-T	3.5	3	3⅜	2⅛	5¼	7.70
PH-120	300-0-300	120	5	3	6.3 C-T	5	3¾	4⅛	3½	5¾	8.50
PH-200	350-0-350	200	5	3	6.3 C-T	6	4	4½	3¾	8	12.25

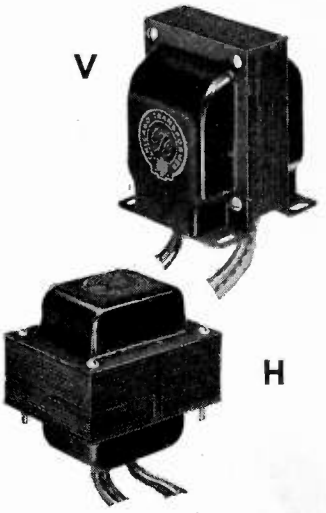
6.3 AND 2.5-VOLT FILAMENTS — HORIZONTAL SHIELD MOUNTING (H)

PH-60	300-0-300	60	5	3	6.3 C-T	2.5					
					2.5 C-T	7.5	3⅝	3⅜	2⅛	4½	$ 8.25

2.5-VOLT FILAMENTS — HORIZONTAL SHIELD MOUNTING (H)

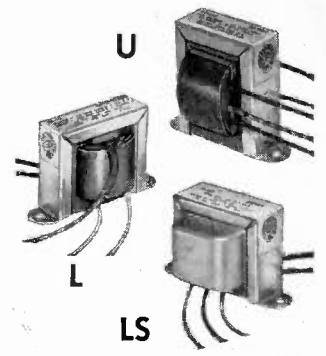
PH-70A	325-0-325	70	5	3	2.5 C-T	9	3½	3¾	3⅛	4½	$ 8.25
PH-120A	325-0-325	120	5	3	2.5 C-T	12.5					
					2.5 C-T	3.5	3¾	3¾	3⅛	6	10.50

All transformers above are designed for 117 volts, 50/60 cycles.



FILAMENT TRANSFORMER

Catalog No.	Secondary Volts	Amps.	Primary Volts	Cycles	Insulation Test Volts	Mounting Type	Dimensions H	W	D	Wt. Lbs.	Price List
F-633	6.3 C-T	3	117	60	2000	U	2⅜	2⅞	1¾	1	$3.60



FILTER REACTORS

Catalog No.	Inductance in henries	Maximum D-C Current Ma.	D-C Resistance in ohms	Insulation Test Volts	Mtg. Type	Dimensions H	W	D	Wt. Lbs.	List Price
R-650	6	50	300	1500	L	1⅝	2⅝	1⅜	¾	$1.65
R-1230	12	30	400	2000	L	1⅝	2⅝	1⅜	½	1.55
R-1240	12	40	400	2000	L	1⅝	2⅝	1⅜	¾	1.60
R-8120	8	120	350	1500	L	2½	4	2	2½	3.90
R-23110	23	110	250	2000	V	3¼	2⅝	2⅝	2½	3.80

DRIVER TRANSFORMERS

Cat. No.	Typical Applications: From Driver Tubes	To Output Tubes	Class	Ratio Primary: ½ Sec.	Max. Pri. D-C Ma.	Mtg. Type	Dimensions H	W	D	Wt. Lbs.	List Price
D-15	Single 30	P-P 19 or 30's	B	2.5:1	15	L	1⅝	2⅞	1½	¾	$2.60
D-30	6C5, 6R7, or Triode 6F6	P-P 6L6's	AB	3:1	30	LS	2	3¼	1⅞	1	3.75
D-35	Triode Plate	P-P Grids		1:1, 1.5:1 or 2:1	20	L	3⅛	2⅝	2½	1	4.00
D-40	6C5, 6R7, or Triode 6F6	P-P 6L6's	AB	3:1	40	V	3⅛	2⅝	2½	2½	5.50

INTERSTAGE TRANSFORMERS

Cat. No.	Application	Class	Ohms Impedance Pri.	Sec.	Max. Primary D-C Ma.	Ratio Sec.: Pri.	Mtg. Type	Dimensions H	D	W	Wt. Lbs.	List Price
IN-10	S. Pl. to P-P Gds.	A	10000	160,000	10	4:1	L	1⅞	3¼	1¾	1	$3.20
IN-11	S. Pl. to P-P Gds.	A	10000	122,500	10	3.5:1	L	1⅝	2⅞	1½	⅝	2.60
IN-13	S. Pl. to P-P Gds.	A	10000	90,000	10	3:1	L	1⅞	3¼	2⅜	1	3.20
IN-14	S. Pl. to P-P Gds.	A	10000	90,000	10	3:1	L	1¾	2⅞	1½	⅝	2.90
IN-15	P-P Pls.-P-P Gds.	A	10000 *	90,000	10	3:1	L	1⅞	3¼	2⅜	1	4.05
IN-16	Sgl. or P-P Input & Output	A			10	1:1, 3:1, or 6:1	L	2	3⅜	2	1½	4.25

*Universal type: center-tapped primary, split secondary.

ISOLATION TRANSFORMERS

CHICAGO Isolation Transformers are designed for a dual purpose: (1) To supply 115 volts isolated from a line of above/below normal, or normal, voltage — primary switch sets for 125/115/105 volts, 50/60 cycles; or (2) For use in servicing to eliminate shock hazard, by isolating chassis ground from line ground (particularly important on "hot" AC-DC television sets.) Also provide 125 and 105 volts on the secondary for locating doubtful tubes, etc.

Cat. No.	Capacity	List Price
IS-50	50 VA	$ 8.00
IS-150	150 VA	21.00
IS-250	250 VA	35.00

OUTPUT TRANSFORMERS

CHICAGO

REPLACEMENT TYPE

TRANSFORMERS

Premium Quality—
Yet They Cost No More

SINGLE PLATE TO VOICE COIL

Catalog No.	Application Typical Output Tubes	Ohms Impedance Pri.	Sec.	Max. Primary D-C Ma.	Max. Audio Watts	Mtg. Type	Dimensions H	W	D	Wt. Lbs.	List Price
RO-2	25L6, 35A5, 2A3, 6B4	2000	3 to 6	50	4	L	1⅜	2⅜	1¼	½	$1.75
RO-3	25L6 (10-ohm tap on primary)	2000	3 to 6	50	4	L	1⅜	2⅜	1¼	½	2.10
RO-6	12A5, 25A6, 45, 71A	4000	4-8-15	40	10	L	2	3¼	1¾	1	2.60
RO-8	2A5, 25A6, 43	4500	3 to 6	35	5	L	1⅜	2⅜	1¼	½	1.85
RO-9	6V6, 25A7G, 30, 31, 50	5000	4-8-15	50	8	L	2	3¼	1¾	1	2.60
RO-11	1S4	6000	3 to 6	5	2	L	1¼	2¼	1	⅜	1.60
RO-13	7B5, 18, 31, 33, 42, 46, 47	7000	3 to 6	35	5	L	1⅜	2⅜	1¼	½	1.75
RO-16	1C5G, 1G5G, 1J6G, 6A4, 6A6	10000	3 to 6	30	5	L	1⅜	2¾	1¼	½	1.80
RO-18	1A5G, 1E7G, 1N6G, 6V7G	25000	3 to 6	10	5	L	1⅝	2⅞	1⅜	⅝	1.70

PUSH-PULL PLATES TO VOICE COIL

RO-110	P-P 2A5, 6AC5G, 6A6, 6N7, 45	10000	4-8-15	80	12	U	2⅜	2⅞	1¾	1	$3.00
RO-111	P-P 6B5, 6K6, 6N6G, 7B5, 31	14000	4-8-15	80	15	U	2⅜	2⅞	1¾	1	3.20
RO-113	P-P 1A5G, 1E7G, 1N6G, 6V7G	30000	3 to 6	20	7	L	1⅝	2⅞	1½	⅝	2.90

UNIVERSAL TYPE — SINGLE PLATE TO VOICE COIL

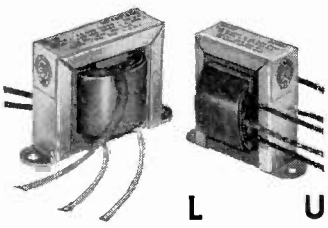
Catalog No.	Range of Ohms Impedance Primary	Secondary	Primary D-C Ma.	Max. Audio Watts	Mtg. Type	Dimensions H	W	D	Wt. Lbs.	List Price
RO-201	4000, 7000, or 10000	3 to 6	40	8	L	1⅝	2⅞	1½	⅝	$2.60

UNIVERSAL TYPE — SINGLE OR PUSH-PULL PLATES TO VOICE COIL

RO-301	2500 to 14000	2, 4, 6, 8, 15, etc.	30	4	L	1⅜	2⅜	1¼	½	$2.65
RO-302	2500 to 15000	2, 4, 6, 8, 15	50	4	L	1⅜	2⅜	1⅜	⅝	2.65
RO-303	2500 to 14000	2, 4, 6, 8, 15, etc.	40	8	L	1⅝	2⅞	1½	⅝	2.75
RO-304	2500 to 13000	2, 4, 6, 8, 15	70	8	U	2	2½	1⅞	1⅜	3.00
RO-305	2500 to 14000	2, 4, 6, 8, 15, etc.	60	12	L	2	3¼	1¾	1	4.10
RO-307	2500 to 14000	2, 4, 6, 8, 15, etc.	50	10	U	2⅜	2⅞	1½	1	3.20

UNIVERSAL TYPE — PUSH-PULL PLATES (ONLY) TO VOICE COIL

RO-401	2500 to 13000	2, 4, 6, 8, 15	70	15	U	2⅛	2¾	2⅜	1½	$4.20



L U

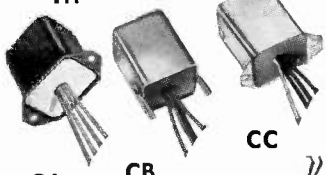
SPEAKER MATCHING TRANSFORMER

No. SM-1. For matching one, two, three, or four 6-ohm speakers from a 500-ohm line. Primary tapped for 1000, 1500, or 2000-ohms. 500, Pri. d-c, 80 ma. Delivers 12 audio watts to each speaker. U-type mtg. H—2⅜, D—2⅞, W—1¾. Wt., 1 lb. List Price $3.75

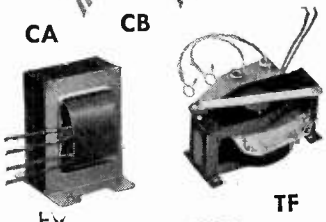
CHICAGO

EXACT REPLACEMENT
TELEVISION TRANSFORMERS

TH



CA CB CC



FV TF

FH

VERTICAL BLOCKING OSCILLATOR TRANSFORMERS

No. TBO-1. Creates 60-cycle vertical sweep voltages. Pri. Induc: 1.15 hy. @ 3 v., 1000 cycles. Ratio (Pri:Sec) 1:4.2. Type CA mounting. Wt., 1 lb.

No. TBO-2. Same as TBO-1, but in Type CB mounting. Wt. ½ lb.

No. TBO-3. Same function as TBO-1. Pri. Induc: 3 hy. @ 3 v., 60 cycles. Type CC mtg. Wt., 1 lb.

HORIZONTAL SCANNING OUTPUT TRANSFORMER

No. TFB-1. Couples horiz. output tube to horiz. deflection yoke; supplies high pulse volts to picture tube; has rectifier filament winding. Type TF mtg. Wt., 1 lb.

POWER TRANSFORMERS

No. TP-365. Supplies 405 volts d-c @ 295 ma. into an 80 mfd. cond. input filter with two 5U4G's. Plate supply: 362-0-362 v. a-c, 295 ma. d-c. Filaments: 5 v., 3 amp (Rec.); 5 v., 2 amp; 12.6 v., 5 amp, CT. Type TH mtg. 17 lbs.

No. TP-383. Supplies 390 volts d-c @ 230 ma. into an 80 mfd. cond. input filter with a 5U4G. Plate supply: 383-0-383 v. a-c, 230 ma. d-c. Filaments: 5 v., 3 amp (Rec.); 5 v., 2 amp; 6.3 v., 9 amp. Type TH mtg. Wt., 13½ lbs.

No. TP-393. Supplies 393 volts d-c @ 270 ma. into a 90 mfd. cond. input filter with two 5U4G's. Plate supply: 366-0-366 v. a-c, 270 ma. d-c. Filaments: 5 v., 3 amp (Rec.); 6.7 v., 4.5 amp. Type TH mtg. Wt., 10½ lbs.

No. TP-400. Supplies 400 volts d-c @ 205 ma. into a 90 mfd. cond. input filter with a 5U4G. Plate supply: 374-0-374 v. a-c, 205 ma. d-c. Filaments: 5 v., 3 amp (Rec.); 5 v., 2 amp; 6.3 v., 5.6 amp. Type TH mtg. Wt., 9 lbs.

No. TP-210. For use with TP-400. Supplies 210 volts d-c @ 90 ma. into a 40 mfd. cond. input filter with a 5Y3. Plate supply: 233-0-233 v., a-c, 90 ma. d-c. Filaments: 5 v., 2 amp (Rec.); 6.3 v., 5.3 amp. Type TH mtg. Wt., 4½ lbs.

No. TP-410. Supplies 390 volts d-c @ 240 ma. into a 40 mfd. cond. input filter with a 5U4G. Plate supply: 385-0-385 v. a-c, 240 ma. d-c. Filaments: 5 v., 3 amp (Rec.); 5 v., 2 amp; 6.3 v., 8.6 amp. Type TH mtg. Wt., 12 lbs.

No. TP-450. Info 40 mfd. cond. input filters, delivers 395 volts d-c @ 195 ma. with a 5U4G, 212 volts d-c @ 105 ma. with a 5Y3GT. Plate supply: 364-0-364 v. a-c, 195 ma; 229-0-229 v. a-c, 105 ma. d-c. Rec. Fil: 5 v., 3 amp; 5 v., 2 amp. Other Fil: 5 v., 2 amp; 6.3 v., 8.25 amp; 6.3 v., 0.6 amp. Type TH mtg. 12 lbs.

VERTICAL SCANNING OUTPUT TRANSFORMERS

No. TSO-1. Couples vert. output tube to deflection yoke. Pri. Imped: 19,000 ohms @ 30 v., 60 cycles, with 13 ma. d-c. Ratio (Pri:Sec) is 10:1. Mtg. Type FV, Wt., 2½ lbs.

No. TSO-2. Similar to TSO-1. Ratio (Pri:Sec) 8:1. Mtg. Type FH, Wt., 2½ lbs.

No. TSO-3. Very similar to TSO-1. Mtg. FV.

No. TSO-4. Similar to TSO-1. Pri. Imped: 18,000 ohms @ 30 v., 60 cycles, with 10 ma. d-c. Mtg. Type FV, Ft., 2 lbs.

Replacement Guide—List Prices

TV POWER TRANSFORMERS

Make of Set	Set Manufacturer's Part No.	CHICAGO Catalog No.	List Price
Admiral	80B11	TP-400	$15.00
Admiral	80B12	TP-210	8.75
Magnavox	300045 series	TP-410	13.75
Motorola	25C-484095 series.	TP-450	17.50
RCA	940157 series (TYPE 201T6)	TP-365	26.50
RCA	970918 series	TP-383	16.60
RCA	970924 series	TP-393	16.75
Teleking	B101	TP-400	15.00
Teleking	B103	TP-210	8.75

VERTICAL BLOCKING OSCILLATOR TRANSFORMERS

Magnavox	320025 series	TBO-1	3.10
	320030 series	TBO-2	2.90
Motorola	25B-90010 series.	TBO-3	3.25
RCA	940160 series (TYPE 208T2)	TBO-1	3.10
RCA	941129 series (TYPE 208T9)	TBO-2	2.90
Scott	91L3317	TBO-1	3.10
Sentinel	22E31	TBO-1	3.10

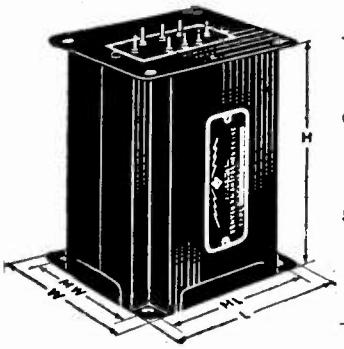
VERTICAL SCANNING OUTPUT TRANSFORMERS

Admiral	79B6	TSO-3	5.90
Magnavox	320024 series	TSO-1	5.90
Motorola	25C-90009 series 25K-489134 series.	TSO-2	5.70
RCA	940187 series (TYPE 204T2)	TSO-1	5.90
RCA	941177 series (TYPE 204T9)	TSO-4	4.50
Scott	91L3318	TSO-1	5.90
Sentinel	22E33	TSO-1	5.90

HORIZONTAL SCANNING OUTPUT TRANSFORMERS

Admiral	79B7	TFB-1	11.25
RCA	970154 series (TYPE 211T1)	TFB-1	11.25

KENYON "T" LINE TRANSFORMERS



DIMENSIONS OF "T" LINE TRANSFORMERS

Case No.	MOUNTING DIMENSIONS ML	MW	OVERALL DIMENSIONS Length (L)	Width (W)	Height (H)
1A	2 1/32	1 9/16	2 7/16	2	2 7/8
2A	2 1/8	1 13/16	2 3/4	2 3/8	3 1/16
3A	2 7/16	1 15/16	3 1/16	2 9/16	3 5/8
4A	3 7/8	2 7/16	4 1/2	3	3 7/8
5A	4 5/16	3 1/16	5	3 7/8	5
5½A	4 5/16	3 27/32	5	4 1/2	5
6A	4 5/16	4 1/2	5	5 1/8	5
7A	5 1/2	4 5/16	6 5/16	5 3/16	6 3/8
8A	5 3/4	4 12/16	6 9/16	5 11/16	7 1/8
9A	6 15/16	5 3/4	7 3/4	6 5/8	7 7/16
10A	8 5/8	7 11/32	9 1/2	8 1/4	10 5/8

LOW IMPEDANCE SOURCE TO GRID TRANSFORMERS

Type No.	From	Primary Ohms	Secondary Ohms	Case No.	Weight	List Price
T-1 (Hum bucking type)	S.B. or D.B. Mic.	400-300-200-100-50	80,000 Single Grid	1A	1 lb. 1 oz.	$9.20
T-2 (Hum bucking type)	Any line	500-333-250-200-125-50	80,000 Single Grid	1A	1 lb. 1 oz.	9.20
T-3 (Hum bucking type)	Any line	500-333-250-200-125-50	80,000 P.P. Grids	1A	1 lb. 1 oz.	9.50
T-6	Any line	500-333-250-200-125-50	20,000 Single Grid	1A	1 lb.	12.50

LINE-TRANSFORMERS—LINE TO LINE AND LINE TO VOICE COIL

Type No.	Primary Ohms	Secondary Ohms	Maximum Level	Case No.	Weight	List Price
T-25	500-200-50	500-200-50	+ 24 D.B.	2A	1 lb. 14 ozs.	$8.60
T-26 (Hum bucking type)	500-333-250-200-125-50	500-333-250-200-125-50	+ 24 D.B.	1A	1 lb. 1 oz.	8.40
T-28	500-200	15-8-4	30 watts	4A	5 lbs. 10 ozs.	13.95

INTERSTAGE AUDIO TRANSFORMERS

Type No.	From	To	Ratio	Case No.	Weight	List Price
T-51	Single 10,000 ohm plate	Single Grid	1:4	1A	1 lb. 4 ozs.	$7.20
T-52	Single 10,000 ohm plate	P.P. Grids	1:4	1A	1 lb. 4 ozs.	7.50
T-54	P.P. 10,000 ohm plates	P.P. Grids	1:1.8	2A	1 lb. 14 ozs.	9.10
T-55	Single 10,000 ohm plate	Single Grid	1:3	2A	1 lb. 14 ozs.	8.30
T-56	Single 10,000 ohm plate	P.P. Grids	1:2	2A	1 lb. 14 ozs.	8.35
T-57 (Hum bucking type)	Single 10,000 ohm plate	Single Grid	1:2	2A	1 lb. 7 ozs.	8.95
T-58 (Hum bucking type)	Single 10,000 ohm plate	P.P. Grids	1:2	2A	1 lb. 7 ozs.	9.10

DRIVER TRANSFORMERS

Type No.	Primary to match	Class AB or Class B Tubes	Ratio (pri. to ½ Sec.)	Case No.	Weight	List Price
T-251	Single 53, 6A6, 6N7, 56, 6C5	53, 6A6, 6N7	2.3:1	2A	1 lb. 14 ozs.	$7.65
T-252	Single 30, 49, 89	19, 30's, 49's	1.7:1	1A	13 ozs.	6.60
T-253	Single 46, 59	46's, 59's, 6F6's	2.3:1	2A	1 lb. 14 ozs.	7.35
T-255	P.P. 56, 6C5, 53, 6N7	6L6's	2.9:1	2A	1 lb. 14 ozs.	8.25
T-267	4-2A3's	354E's, 354F's	2.1:1	4A	5 lbs. 10 ozs.	13.85
T-271	P.P. 45's, 2A3's, 6F6's	6L6's, 809's, TZ40's	3.7:1	3A	2 lbs. 13 ozs.	10.70

KEN-O-TAP UNIVERSAL DRIVER TRANSFORMERS

500 Ohm Line to any Class B Grids — Primary to Secondary Ratio Variable from 1:13.3 to 1: .7

Type	Power Rating	Case No.	Weight	List Price
T-261	7 Watts	3A	2 lbs. 12 oz.	$11.25
T-262	18 Watts	4A	5 lbs. 4 oz.	14.80

Any Line or Single or Push Pull Plates to Class B Grids — Primary to ½ Secondary Ratio Variable from 7.0:1 to 1:9.0

Type	Audio Rating	Case Size	Max. Pri. D.C.	Max. Sec. D.C.	Weight	List Price
T-264	7 Watts	3A	100 MA	100 MA	2 lbs. 12 oz.	$11.40
T-263	18 Watts	4A	200 MA	200 MA	5 lbs. 12 oz.	17.10

PREAMPLIFIER OUTPUT TRANSFORMERS

Type No.	From	Secondary Ohms	Case No.	Weight	List Price
T-101	Single 56, 76, 6C5	200-500	1A	1 lb. 4 ozs.	$6.55
T-102	P.P. 56, 76, 6C5	200-500	1A	1 lb. 4 ozs.	7.00

OUTPUT TRANSFORMERS TO 500-200 OR 15-8-4 OHMS

Type No.	From	Primary Ohms	Case No.	Weight	List Price
T-104	Single 2A5, 6F6, 42, 47, 89	7,000	2A	1 lb. 14 ozs.	$8.80
T-105	Class "A," P.P. 2A5's, 6F6's, 42's, 47's, 89's	14,000	2A	2 lbs.	9.55
T-317	Class "AB" P.P. 6L6's	6,600 or 3,800	4A	5 lbs. 6 ozs.	15.70
T-319	Class "AB2" P.P. 6L6's	6,000 or 3,800	5A	8 lbs. 7 ozs.	19.90
T-301	Class "A," P.P. 6L6's, Class AB 45's, 2A3's	5,000 or 3,000	4A	4 lbs. 5 ozs.	14.10

KENYON "T" LINE TRANSFORMERS

KEN-O-DYNE UNIVERSAL OUTPUT TRANSFORMERS

Type No.		Case No.	Weight	List Price	
T-108	15 watts	3A	2 lbs. 13 ozs.	$10.80	Will match any set of Push-Pull or Push-Pull Parallel or a single plate to 500-200 or speaker voice-coils. Low impedance connection for speaker voice coils range from .5 to 25 ohms.
T-109	30 watts	4A	5 lbs. 2 ozs.	15.20	
T-110	60 watts	5A	10 lbs. 1 oz.	20.40	

KEN-O-TAP MODULATION TRANSFORMERS

Type No.	Audio Watts	Class C W. Sec.	Max. Pri. D.C.	Max. Sec. D.C.	Max. D.C. Voltage	Primary Range Ohms	Secondary Range Ohms	Case No.	Weight	List Price
T-489	15	30	120	120	600	2000-20000	200-20000	3A	2 lbs. 13 oz.	$10.30
T-493	40	80	250	250	750	2000-20000	200-20000	4A	5 lbs. 10 oz.	14.95
T-494	75	150	250	300	1250	2000-20000	200-20000	5A	9 lbs.	20.30
T-441	125	250	250	250	1500	2000-20000	200-20000	6A	15 lbs. 8 oz.	28.20
T-495	125	250	200	250	2000	500-18000	200-19000	7A	19 lbs. 2 oz.	54.20
T-496	300	600	250	300	2500	500-18000	200-19000	8A	26 lbs. 4 oz.	63.00
T-442	600	1200	400	400	3000	500-18000	200-19000	9A	45 lbs.	70.50

PLATE TRANSFORMERS DESIGNED FOR INTERMITTENT DUTY ONLY

(55°C. RISE— 15 Minutes On, 15 Minutes Off)

Type No.	Secondary Voltage	D.C. Volts	D.C., M A	Case No.	Weight	List Price
T-668	1000/750-0-750/1000	600/800	250	5½A	12 lbs., 6 oz.	$24.40
T-669	1460/1180-0-1180/1460	1000/1250	300	7A	19 lbs., 2 oz.	36.50
T-670	2360/2080/1760-0-1760/2080/2360	1500/1750/2000	270	8A	31 lbs., 9 oz.	51.90
T-671	1460/1180-0-1180/1460	1000/1250	450	8A	31 lbs., 9 oz.	50.25

PLATE TRANSFORMERS DESIGNED FOR BOTH CONTINUOUS AND INTERMITTENT DUTY

Type No.	Primary Conn.	Volts Secondary No. 1 D.C.	Volts Secondary No. 1 A.C.	55°C. Rise MA Cont.	55°C. Rise 15Min On 15Min Off MA Int.	Volts Secondary No. 2 D.C.	Volts Secondary No. 2 A.C.	55°C. Rise MA Cont.	55°C. Rise 15Min On 15Min Off MA Int.	Volts Secondary No. 3 D.C.	Volts Secondary No. 3 A.C.	55°C. Rise MA Cont.	55°C. Rise 15Min On 15Min Off MA Int.	Case No.	Weight	List Price
T-664		600	740-0-740	150	200									5A	10 lbs., 10 oz.	$ 19.55
T-655	High	450	575-0-575	—	340									5A	10 lbs., 1 oz.	20.60
	Low	350	460-0-460	250	375											
T-656	High	750	925-0-925	—	320									6A	15 lbs., 9 oz.	31.60
	Low	600	740-0-740	270	360											
T-657	High	1000	1170-0-1170	—	200	1000	1170-0-1170	—	200					7A	21 lbs., 9 oz.	46.25
	Low	750	900-0-900	150	225	750	900-0-900	150	225							
T-658	High	500	650-0-650	—	200	560	710-0-710	—	200	560	710-0-710	—	200	7A	22 lbs., 12 oz.	49.40
	Med	450	585-0-585	—	225	510	640-0-640	—	225	510	640-0-640	—	225			
	Low	400	520-0-520	150	250	450	570-0-570	150	250	450	570-0-570	150	250			
T-654	High	470	610-0-610	—	250	625	785-0-785	—	250	625	785-0-785	—	250	8A	32 lbs., 9 oz.	52.75
	Med	420	550-0-550	—	275	560	710-0-710	—	275	560	710-0-710	—	275			
	Low	375	490-0-490	200	300	500	630-0-630	200	300	500	630-0-630	200	300			
T-659	High	500	650-0-650	—	300	560	710-0-710	—	300	560	710-0-710	—	300	9A	48 lbs.	63.70
	Med	450	585-0-585	—	325	510	640-0-640	—	325	510	640-0-640	—	325			
	Low	400	520-0-520	230	350	450	570-0-570	230	350	450	570-0-570	230	350			
T-665	High	1250	1470-0-1470	—	270									7A	23 lbs., 4 oz.	47.50
	Low	1000	1180-0-1180	200	300											
T-666		1250	1460-0-1460	280	350									8A	32 lbs., 2 oz.	52.20
T-667		1250	1460-0-1460	400	600									9A	50 lbs.	64.00
T-660		1250	1460-0-1460	400	600	500	630-0-630	150	200					9A	49 lbs., 11 oz.	67.50
T-652	High	1750	2080-0-2080	—	450									9A	50 lbs., 8 oz.	67.50
	Low	1500	1760-0-1760	320	500											
T-663		2000	2360-0-2360	350	500		PRIMARIES FOR 115 or 230 VOLTS							10A	82 lbs.	117.00
T-673	High	3000	3400-0-3400	—	400									10A	82 lbs.	121.00
	Low	2500	2840-0-2840	425	500											
T-674	High	3000	3400-0-3400	—	800									Spec.	135 lbs.	170.00
	Low	2500	2840-0-2840	850	1000											

KENYON "T" LINE TRANSFORMERS

FILTER REACTORS

Type No.	Inductance At Rated D.C.	Rated D.C. MA.	D.C. Resistance	Insulation Test R.M.S.	Case No.	Weight	List Price
T-155	280	10	5200	1500	2A	2 lbs.	$ 6.90
T-156	30	25	800	1500	1A	1 lb., 4 oz.	5.25
T-157	10	50	200	1500	1A	1 lb., 4 oz.	5.15
T-153	20	90	360	1500	3A	2 lbs., 12 oz.	7.55
T-154	12.5	165	220	1500	3A	3 lbs., 2 oz.	8.60
T-151	7.5	250	100	1500	4A	5 lbs., 10 oz.	11.80
T-152	7	200	140	1500	3A	2 lbs., 13 oz.	8.15
T-164	13	250	120	1500	5A	10 lbs., 1 oz.	17.40
T-166	10	300	120	1500	5A	10 lbs., 1 oz.	17.40
T-159	10	500	70	1500	6A	15 lbs., 9 oz.	26.50
T-165	10	150	260	3000	3A	3 lbs., 2 oz.	8.60
T-168	12	250	120	3000	5A	10 lbs., 10 oz.	17.40
T-160	11	300	120	3000	5A	10 lbs., 1 oz.	17.40
T-167	11	400	70	3000	6A	15 lbs., 9 oz.	26.50
T-175	10	200	140	5000	4A	5 lbs., 10 oz.	11.90
T-176	10	300	103	5000	5A	10 lbs., 11 oz.	19.30
T-178	10	400	90	5000	6A	15 lbs., 2 oz.	27.50
T-177	11	500	90	5000	7A	21 lbs., 1 oz.	37.40
T-161	7.5	600	50	5000	7A	21 lbs., 4 oz.	36.40
T-180	10	500	60	7000	8A	26 lbs., 4 oz.	48.20
T-181	5	1000	18	7000	9A	50 lbs.	70.50

SWINGING REACTORS

Type No.	Inductance At Rated D.C.	Rated D.C. MA.	D.C. Resistance	Insulation Test R.M.S.	Case No.	Weight	List Price
T-517	11/40	90/20	360	1500	3A	2 lbs., 12 oz.	$ 7.55
T-515	6/21	165/30	220	1500	3A	3 lbs., 2 oz.	8.60
T-506	4/16	200/30	140	1500	3A	2 lbs., 13 oz.	8.15
T-501	5/15	250/30	100	1500	4A	5 lbs., 10 oz.	11.80
T-510	6/20	300/30	120	1500	5A	10 lbs., 1 oz.	17.40
T-502	6/22	500/50	70	1500	6A	15 lbs., 9 oz.	26.50
T-509	7/22	200/30	140	5000	4A	5 lbs., 10 oz.	12.05
T-512	6/22	300/30	103	5000	5A	10 lbs., 1 oz.	17.40
T-513	5/24	400/50	90	5000	6A	15 lbs., 2 oz.	27.50
T-521	6/26	500/60	90	5000	7A	21 lbs., 1 oz.	37.40
T-505	6/21	600/60	50	5000	7A	21 lbs., 4 oz.	36.40
T-516	6/22	400/50	70	3000	6A	15 lbs., 9 oz.	26.50
T-530	6/21	500/50	60	7000	8A	26 lbs., 4 oz.	48.20
T-531	3/9	1000/100	18	7000	9A	50 lbs.	70.50

OPERATING VOLTAGES FOR 1500 VOLT TEST—UP TO 600 VOLTS D.C.
OPERATING VOLTAGES FOR 3000 VOLT TEST—UP TO 1000 VOLTS D.C.
OPERATING VOLTAGES FOR 5000 VOLT TEST—UP TO 2000 VOLTS D.C.
OPERATING VOLTAGES FOR 7000 VOLT TEST—UP TO 3000 VOLTS D.C.

PLATE AND FILAMENT TRANSFORMERS

Type No.	High Voltage— Volts	M.A.	Filament No. 1 Volts	Amps	Filament No. 2 Volts	Amps	Filament No. 3 Volts	Amps	Filament No. 4 Volts	Amps	Case No.	Weight	List Price
T-249*	235-0-235	20	6.3 C.T.	0.6	6.3 C.T.	0.9					2A	2 lbs.	$ 9.95
T-245*	320-0-320	40	5	2	6.3 C.T.	2					3A	2 lbs. 13 ozs.	11.20
T-205*	350-0-350	75	5	2	6.3 C.T.	3					4A	5 lbs. 10 ozs.	15.60
T-222*	250-0-250	50	5	2	6.3 C.T.	2					3A	2 lbs. 13 ozs.	10.70
T-206*	325-0-325	100	5	3	6.3 C.T.	3	6.3 C.T.	2			5A	9 lbs.	21.20
T-212	420-0-420	125	5	3	6.3 C.T.	3	2.5 C.T.	4			5A	9 lbs. 2 ozs.	21.30
T-244*	425-0-425	165	5	3	6.3 C.T.	3	6.3 C.T.	3			6A	13 lbs. 11 ozs.	27.10
T-248*	425-0-425	165	5	3	2.5 C.T.	6	2.5 C.T.	6			6A	13 lbs. 11 ozs.	27.10
T-213	520-110-0-520	180	5	3	2.5	3	6.3 C.T.	3	6.3 C.T.	3	5A	10 lbs. 6 ozs.	25.10
T-215	360-125-0-360	200	5	3	2.5 C.T.	3	2.5 C.T.	10	6.3 C.T.	2.1	5A	10 lbs. 10 ozs.	25.20
T-247	590-0-590	200	5	3	6.3 C.T.	3	6.3 C.T.	3			5A	12 lbs. 8 ozs.	25.90
T-216	520-85-0-520	250	5	3	2.5 C.T.	3	6.3 C.T.	3	6.3 C.T.	3	6A	15 lbs. 9 ozs.	32.00
T-202*	0-150	20	6.3	0.6							1A	1 lb. 4 ozs.	6.90
T-220*	125-0-125	200	5	3							4A	5 lbs.	13.10
T-246	625-0-625	250	5	3	6.3 C.T.	3	6.3 C.T.	3			6A	15 lbs. 9 ozs.	30.60
T-223	600-0-600	300	5	6	6.3 C.T.	3	6.3 C.T.	2			6A	15 lbs. 9 ozs.	31.00
T-221	High voltage secondary 520-390-105-390-520 to deliver 400 V. D.C. at 400 M.A. and 300 V. D.C. at 160 M.A.										7A	21 lbs. 10 ozs.	48.25
	Filament No. 1 5 V.-6A		Filament No. 2 5 V.-3A		Filament No. 3 2.5 V.-3A		Filament No. 4 6.3 V. C.T.-4A		Filament No. 5 6.3 V. C.T.-4A				

* Indicates unit designed for condenser input. All other units should be used choke input. If used with condenser input, the D.C. current rating of these items should be reduced to 70% of that specified.

POWER LINE AUTO TRANSFORMERS

Type No.	Input	Output	Capacity Volt-Amperes	Case No.	Weight	List Price
T-219	88 to 130 volts	115 volts	500	5A	10 lbs. 1 oz.	$23.50

All power transformers are designed for 115 volt, 50 to 60 cycle operation. For any other voltage 50 to 60 cycle operation add 25% to list prices. For 115 volt 25 cycle operation, add 60% to list prices. For any other voltage 25 cycle operation add 100% to list prices. Case sizes for 25 cycle application are different from those specified for standard 115 volt 50 to 60 cycle operation.

KENYON "T" LINE TRANSFORMERS

FILAMENT TRANSFORMERS

SINGLE WINDING

Type No.			Case No.	Weight	List Price
T-388	2.5, 5, 6.3 V.-3A	1000 V. Test	1A	1 lb. 7 ozs.	$ 6.85
T-379	2.5 V.-5 A. CT.	2000 V. Test	1A	1 lb. 6 ozs.	6.25
T-352	2.5 V.-10 A. CT.	2000 V. Test	2A	1 lb. 14 ozs.	7.50
T-360	2.5 V.-10 A. CT.	5000 V. Test	3A	2 lbs. 13 ozs.	9.20
T-389	2.5 V.-10 A. CT.	9000 V. Test	4A	4 lbs. 14 ozs.	13.15
T-354	5 V.-3 A. CT.	2000 V. Test	2A	1 lb. 14 ozs.	7.35
T-357	5 .25 V.-12 A. CT.	2000 V. Test	4A	5 lbs. 10 ozs.	13.70
T-358	5.25 V.-20 A. CT.	2000 V. Test	5A	9 lbs. 2 ozs.	17.10
T-390	5 V.-20 A. CT.	10000 V. Test	5½A	11 lbs. 9 ozs.	21.20
T-380	5, 5.1, 5.25 V.-8 A. CT.	2000 V. Test	4A	4 lbs. 5 ozs.	12.05
T-381	5, 5.1, 5.25 V.-10.5 A. CT.	2000 V. Test	4A	5 lbs.	13.30
T-382	5, 5.1, 5.25 V.-16 A. CT.	2000 V. Test	4A	5 lbs. 10 ozs.	14.80
T-383	5, 5.1, 5.25 V.-21 A. CT.	2000 V. Test	5A	9 lbs. 2 ozs.	19.20
T-393	5, 5.1, 5.25 V.-26 A. CT.	2000 V. Test	5A	9 lbs. 8 ozs.	19.40
T-394	5, 5.1, 5.25 V.-32 A. CT.	2000 V. Test	5A	10 lbs. 8 ozs.	20.90
T-351	6.3 V.-3 A. CT.	2000 V. Test	2A	1 lb. 14 ozs.	7.15
T-378	6.3, 7.5 V.-7 A. CT.	2000 V. Test	3A	2 lbs. 13 ozs.	9.50
T-387	6.3, 6.45, 6.6 V.-8 A. CT.	2000 V. Test	3A	2 lbs. 13 ozs.	9.85
T-395	6.3 V.-20 A. CT.	2000 V. Test	5A	9 lbs.	17.15
T-396	6.3 V.-30 A. CT.	2000 V. Test	5½A	12 lbs.	23.50
T-397	6.3 V.-12 A. CT.	2000 V. Test	4A	5 lbs. 12 ozs.	13.85
T-392	7.5, 7.7, 7.9 V.-6 A. CT.	2000 V. Test	3A	2 lbs. 13 ozs.	9.95
T-353	7.5 V.-4½ A. CT.	2000 V. Test	2A	2 lbs.	7.75
T-359	7.5 V.-9 A. CT.	2000 V. Test	4A	5 lbs.	13.10
T-365	10 V.-4 A. CT.	5000 V. Test	3A	2 lbs. 13 ozs.	9.10
T-361	10 V.-8 A. CT.	5000 V. Test	4A	5 lbs. 10 ozs.	14.10
T-384	10, 10.5, 11 V.-5 A. CT	2000 V. Test	4A	5 lbs.	13.10
T-385	10, 10.5, 11 V.-10 A. CT.	2000 V. Test	5A	8 lbs. 15 ozs.	19.30

TWO WINDINGS

T-386	6.3 V.- 3 A. CT.	2000 V. Test	5 V.- 4 A. CT.	2000 V. Test	3A	2 lbs. 13 ozs.	$10.30
T-369	2.5 V.- 8 A. CT.	1000 V. Test	6.3 V.- 4 A. CT.	1000 V. Test	4A	4 lbs. 11 ozs.	13.70
T-368	6.3 V.- 4 A. CT.	2000 V. Test	6.3 V.- 4 A. CT.	2000 V. Test	4A	4 lbs. 11 ozs.	13.70
T-366	2.5 V.-10 A. CT.	5000 V. Test	2.5 V.-10 A. CT.	5000 V. Test	4A	5 lbs. 10 ozs.	15.40

THREE WINDINGS

T-376	6.3 V.-4 A. CT.	2000 V. Test	6.3 V.-4 A. CT.	2000 V. Test	5 V.-3 A.	2000 V. Test	4A	5 lbs. 10 ozs.	$14.20
T-356	6.3 V.-3 A. CT.	750 V. Test	5 V.-4 A. CT.	3000 V. Test	5 V.-8 A. CT.	3000 V. Test	4A	5 lbs. 9 ozs.	14.20
T-355	5 V.-3 A. CT.	4000 V. Test	5 V.-3 A. CT.	4000 V. Test	5 V.-6 A.CT.	4000 V. Test	4A	5 lbs. 10 ozs.	14.70
T-375	2.5 V.-5 A. CT.	6000 V. Test	2.5 V.-5 A. CT.	6000 V. Test	2.5 V.-10 A. CT.	6000 V. Test	4A	5 lbs. 9 ozs.	14.80

FOUR WINDINGS

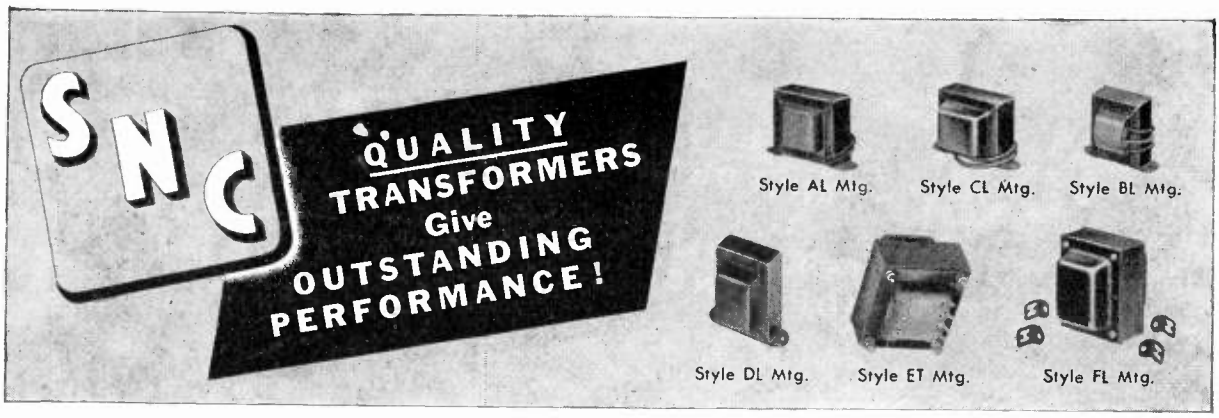
T-367	6.3 V.-5 A. CT. 2000 V. Test	6.3 V.-5 A. CT. 2000 V. Test	5 V.-6 A. CT. 2000 V. Test	5 V.-3 A. CT. 2000 V. Test	5A	10 lbs. 1 oz.	$21.00

FIVE WINDINGS

T-377	5 V.-3 A. 2000 V. Test	5 V.-6 A. 2000 V. Test	6.3 V.-1 A. CT. 2000 V. Test	6.3 V.-5 A. CT. 2000 V. Test	6.3 V.-5 A. CT. 2000 V. Test	5A	10 lbs. 1 oz.	$21.25

OPERATING VOLTAGES FOR 2000 VOLT TEST—UP TO 750 VOLTS D.C.
OPERATING VOLTAGES FOR 3000 VOLT TEST—UP TO 1000 VOLTS D.C.
OPERATING VOLTAGES FOR 4000 VOLT TEST—UP TO 1500 VOLTS D.C.
OPERATING VOLTAGES FOR 5000 VOLT TEST—UP TO 2000 VOLTS D.C.
OPERATING VOLTAGES FOR 9000 VOLT TEST—UP TO 4000 VOLTS D.C.
OPERATING VOLTAGES FOR 10000 VOLT TEST—UP TO 4500 VOLTS D.C.

PRICES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



Skillful Engineering, latest production techniques and highest quality materials . . . backed by careful workmanship, exacting step-by-step inspection and rigorous final testing . . . are combined in every SNC transformer to provide a quality product that gives MORE in dollar value.

AUDIO TRANSFORMERS—THE "ONE" SERIES

AUDIO INPUT

Type Number	Application	Impedance		Pri. Mils (D.C.)	Max. Turns Ratio	Frequency Characteristics—c. p. s.					Mtg. Style	Dimensions				Net Wt.	List Price
		Primary	Secondary			50	200	1M	5M	10M		A	B	C	D		
1P121	P.M. Speaker to Grid	4	100,000	0	1:158	−4.0	−1.0	0	0	0	BL	1-7/8	1-9/16	1-1/2	2	.5	2.90
1P124	S.B. Mic. to Sgl. or P.P. Grids	100	400,000 C.T.	50	1:63		−6.0	0	−2.0	−6.0	BL	1-7/8	1-9/16	1-1/2	2	.5	3.10
1P125	Low Z to Sgl. or P.P. Grids	50	100,000 C.T.	0	1:45		−3.0	0	0	0	BL	1-7/8	1-9/16	1-1/2	2	.5	2.85
1P128	Sgl. or D.B. Mic. or Line to Sgl. or P.P. Grids	200*/50	100,000 C.T.	50	1:45	−2.0	−0.3	0	−0.7	−2.0	DL	2-5/8	2-3/16	2-1/8	2-13/16	1.3	4.50
1P136	Line to Sgl. or P.P. Grids	500*/125	100,000 C.T.	0	1:28	−3.0	−0.4	0	−0.4	−1.5	DL	2-5/8	2-3/16	2-1/8	2-13/16	1.4	4.50
1P145	Sgl. or P.P. Plates to Line	20,000 C.T.	500*/125	8	12.6:1	−3.5	−1.0	0	0	0	DL	2-1/4	1-7/8	1-13/16	2-3/8	.9	3.70
1P152	Sgl. or P.P. Plates to Line	20,000 C.T.	200*/50	8	20:1	−4.0	−1.0	0	0	0	DL	2-1/4	1-7/8	1-13/16	2-3/8	.9	3.70
1P161	Line to Line	500	500*/125	0	2:1	−0.4	−0.1	0	−0.4	−1.0	DL	2-1/4	1-7/8	1-13/16	2-3/8	.9	4.00

*Indicates Balanced Center Tap

AUDIO INTERSTAGE

1P323	Sgl. Plate to Sgl. Grid	10,000	90,000	8	1:3	−5.0	−1.5	0	0	0	BL	1-7/8	1-9/16	1-1/2	2	.5	2.70
1P331	Sgl. Plate to P.P. Grids	10,000	90,000 C.T.	8	1:3	−6.0	−2.0	0	0	−1.0	BL	1-7/8	1-9/16	1-1/2	2	.5	2.90
1P339	Sgl. Plate to P.P. Grids	10,000	90,000 C.T.	8	1:3	−3.0	−0.5	0	+0.1	+0.5	BL	2-1/4	1-7/8	1-13/16	2-3/8	.9	3.25
1P342	Sgl. Plate to P.P. Grids	10,000	90,000 C.T.	8	1:3	−2.5	−0.5	0	0	0	DL	2-5/8	2-3/16	2-1/8	2-13/16	1.5	4.20
1P346	P.P. Plates to P.P. Grids	20,000 C.T.	45,000 C.T.	10	1:1.5	−1.0	−0.2	0	0	0	DL	2-5/8	2-3/16	2-1/8	2-13/16	1.5	4.35
1P351	Universal	Universal		8	1:3	−2.0	−0.4	0	0	0	BL	2-1/4	1-7/8	1-13/16	2-3/8	.9	3.45
3P363	Sgl. Type 30 to 19, 1J5 or P.P. 30 Class B	10,000	7,000 C.T.	8	2.4:1	−0.5	0	0	−0.2	−1.0	BL	1-7/8	1-9/16	1-1/2	2	.5	2.35

CHOKES AND REACTORS—THE "TWO" SERIES

AUDIO REACTORS

Type Number	D.C. Mils		Inductance				Insul. Test Voltage	D.C. Res.	Mtg. Style	Dimensions					Net Weight	List Price
	Nom.	Max.	0-D.C.	50% Nom. D.C.	Nom. D.C.	Max. D.C.				A	B	C	D	E		
2P123	5-0.5	15	550	—	300-500	80	2000	5500	AL	1-7/8	2-1/4	1-5/8	2-13/16		.9	2.90
2P124	5-0.5	15	550	—	300-500	80	2000	5500	CL	1-7/8	2-1/4	1-3/4	2-13/16		.9	3.25
2P126	35-15	45	65	—	25-35	20	2000	800	AL	1-7/8	2-1/4	1-5/8	2-13/16		.9	2.30
2P127	35-15	45	65	—	25-35	20	2000	800	CL	1-7/8	2-1/4	1-3/4	2-13/16		.9	2.70

FILTER AND SWINGING CHOKES

2P132	40	50	22	13	8	6	2000	450	AL	1-5/16	1-5/8	1-1/8	2		.3	1.50
2P135	65	80	18	11	8	7	2000	300	AL	1-9/16	1-7/8	1-3/8	2-3/8		.5	1.80
2P138	85	100	30	16	8	7	2000	350	AL	1-7/8	2-1/4	1-7/8	2-13/16		1.2	2.35
2P141	110	135	20	10.5	8	7	2000	200	BL	2-5/8	2-3/16	1-7/8	2-13/16		1.5	3.10
2P142	110	135	20	10.5	8	7	2000	200	DL	2-5/8	2-3/16	2-1/8	2-13/16		1.5	3.25
2P144	150	180	26	13	8	5.5	2000	190	BL	3	2-1/2	2-1/8	3-1/8		2.1	3.10
2P145	150	180	26	13	8	5.5	2000	190	GL	3-1/8	2-1/2	2-5/8	2	1-11/16	2.2	4.20
2P147	200	250	16	10	8	6.5	3500	110	GL	3-1/2	2-7/8	3-1/8	2-1/4	2	3.2	5.40
2P148	200-20	—	—	—	3-15	—	3500	110	GL	3-1/2	2-7/8	3-1/8	2-1/4	2	3.2	5.40
2P151	300	350	18	11	8	7	5000	75	GL	4-5/8	3-3/4	3-7/8	3	2-13/16	7.5	9.25
2P152	300-30	—	—	—	3-15	—	5000	75	GL	4-5/8	3-3/4	3-7/8	3	2-13/16	7.5	9.25
2P155	500	600	16	10	8	5.5	5000	55	HT	7-1/8	5-1/2	5-15/16	4-3/8	4-13/16	22.8	26.00
2P156	500-50	—	—	—	3-15	—	5000	55	HT	7-1/8	5-1/2	5-15/16	4-3/8	4-13/16	22.8	26.00

DRIVER TRANSFORMERS—THE "THREE" SERIES

Type Number	Primary Impedance	Watts	Ratio, Pri. to 1/2 Sec. or Sec. Z	Pri. D.C. Mils	Frequency Characteristics—c. p. s.					Mtg. Style	Dimensions					Net Wt.	List Price
					50	200	1M	5M	10M		A	B	C	D	E		
3P323	6,000 C.T. to 10,000 C.T.	25	6, 5.5, 5:1	60	−0.5	0	0	0	−0.3	GL	3-1/8	2-1/2	2-5/8	2	1-11/16	2.3	9.40
3P328	3,000 C.T. to 5,000 C.T.	25	6, 5.5, 5:1	60	−0.4	0	0	0	−0.1	GL	3-1/8	2-1/2	2-5/8	2	1-11/16	2.3	9.40
3P334	6,000 C.T. to 10,000 C.T.	25	4.5, 4, 3.5:1	60	−1.0	−0.3	0	+0.1	+0.6	GL	3-1/8	2-1/2	2-5/8	2	1-11/16	2.3	9.30
3P338	3,000 C.T. to 5,000 C.T.	25	4.5, 4, 3.5:1	60	−1.7	−0.5	0	0	0	GL	3-1/8	2-1/2	2-5/8	2	1-11/16	2.3	9.45
3P342	6,000 C.T. to 10,000 C.T.	25	3, 2, 1:1	60	−0.7	−0.1	0	+0.1	+0.4	GL	3-1/8	2-1/2	2-5/8	2	1-11/16	2.3	9.80
3P347	3,000 C.T. to 5,000 C.T.	25	3, 2, 1:1	60	−0.8	0	0	0	−0.8	GL	3-1/8	2-1/2	2-5/8	2	1-11/16	2.3	9.65
3P353	6,000 C.T. to 10,000 C.T.	25	500 Ohms	60	−1.1	−0.3	0	0	+0.3	GL	3-1/8	2-1/2	2-5/8	2	1-11/16	2.3	9.50
3P358	3,000 C.T. to 5,000 C.T.	25	500 Ohms	60	−0.9	−0.1	0	−0.4	−1.0	GL	3-1/8	2-1/2	2-5/8	2	1-11/16	2.3	9.50
3P363	10,000	5	2.4:1	10	−0.5	0	0	−0.2	−1.0	BL	1-7/8	1-9/16	1-1/2	2		.5	2.35

See next page for Dimensional Illustrations.

SNC

QUALITY TRANSFORMERS Give OUTSTANDING PERFORMANCE!


Style AL Mtg.


Style CL Mtg.

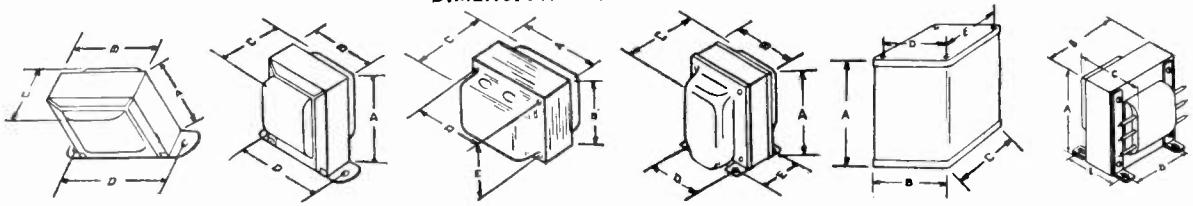

Style BL Mtg.


Style DL Mtg.


Style ET Mtg.


Style FL Mtg.

DIMENSIONAL ILLUSTRATIONS



OUTPUT TRANSFORMERS—THE "SIX" SERIES

SPECIFIC DUTY REPLACEMENT TYPES—TUBE TO VOICE COIL

Type Number	Primary Imp.—Ohms	Pri. D.C. Mils	Sec. Z—Ohms	Watts	Mtg. Style	Dimensions A	B	C	D	Net Wt.	List Price
6P300	Single 2,000 Plate	50	3-6	6	AL	1-5/16	1-5/8	1-1/2	2	.3	1.50
6P306	Single 4,000 Plate	35	3-6	6	AL	1-5/16	1-5/8	1-1/2	2	.3	1.50
6P312	Single or P.P. 7,500 Plates	35	3-6	6	AL	1-5/16	1-5/8	1-1/2	2	.3	2.00
6P316	Single or P.P. 10,000 Plates	35	3-6	6	AL	1-5/16	1-5/8	1-1/2	2	.3	2.00
6P319	Push-Pull 15,000 Plates	35	3-6	6	AL	1-5/16	1-5/8	1-1/2	2	.3	2.05
6P321	Push-Pull 20,000 Plates	30	3-6	6	AL	1-5/16	1-5/8	1-1/2	2	.3	2.05
6P325	Push-Pull 25,000 Plates	20	3-6	6	AL	1-5/16	1-5/8	1-1/2	2	.3	2.05

UNIVERSAL REPLACEMENT TYPES—TUBE TO VOICE COIL—TUBE TO LINE—LINE TO VOICE COIL

Type Number	Primary Imp.—Ohms	Pri. D.C. Mils	Sec. Z—Ohms	Watts	Mtg. Style	Dimensions A	B	C	D	Net Wt.	List Price
6P165	Sgl. or P.P. 4M to 14M Plates	40	1.1 to 14	4	ATL	1-5/16	1-5/8	1-3/8	2	.3	2.35
6P166	Sgl. or P.P. 4M to 14M Plates	50	1.1 to 14	8	ATL	1-9/16	1-7/8	1-5/8	2-3/8	.5	2.35
6P167	Sgl. or P.P. 3M to 10M Plates	50	1.2 to 13	15	BTL	1-7/8	1-9/16	1-3/4	2	.5	2.90
6P169	Sgl. 1500 to 7M Plate	55	.8 to 19	10	ATL	1-9/16	1-7/8	1-5/8	2-3/8	.5	2.35
6P172	P.P. 3500 to 12M Plates	60	1.3 to 14	20	BTL	2-5/8	2-3/16	2-1/8	2-13/16	1.5	4.25
6P701	Single 2500 to 7500 Plate	45	165 to 1500	10	BTL	2-1/4	1-7/8	1-7/8	2-3/8	.9	3.70
6P710	P.P. 7500 to 15M Plates	45	250 to 1000	10	BTL	2-1/4	1-7/8	1-7/8	2-3/8	.9	4.20
6P714	Sgl. or P.P. 2500 to 12M Plates	45	150 to 2400	10	BTL	2-1/4	1-7/8	1-7/8	2-3/8	.9	4.40
6P717	125 to 500 Line	0	1 to 32	35	BTL	2-5/8	2-3/16	2-1/8	2-13/16	1.5	4.50
6P722	500 to 3M Line in 500-Ohm Steps	0	1.3 to 48	10	BTL	2-1/4	1-7/8	1-7/8	2-3/8	.9	4.25

AMPLIFIER AND EQUIPMENT TYPES—TUBE TO LINE AND VOICE COIL

Type Number	Primary Imp.—Ohms	Pri. D.C. Mils	Secondary Imp.—Ohms	Watts	Frequency Characteristics—c. p. s. 50	200	1M	5M	10M	Mtg. Style	Dimensions A	B	C	D	E	Net Wt.	List Price
6P726	P.P. 3300 or 3800 Plates	90	4-8-16-250-500	60	−0.3	0	0	+0.1	+0.5	GL	3-3/4	3-1/16	3-3/8	2-1/2	2-3/16	4.4	8.90
6P731	P.P. 4500 or 6800 Plates	90	4-8-16-250-500	60	−0.3	0	0	+0.2	0	GL	3-3/4	3-1/16	3-3/8	2-1/2	2-3/16	4.4	8.90
6P736	P.P. 5000 Plates	70	4-8-16-250-500	25	−0.9	−0.2	0	+0.2	+0.5	DL	2-5/8	2-3/16	2-1/8	2-13/16		1.5	6.00
6P740	P.P. 4300 Plates	70	4-8-16-250-500	25	−0.9	−0.3	0	+0.3	+0.5	DL	2-5/8	2-3/16	2-1/8	2-13/16		1.5	6.00
6P743	P.P. 6600 Plates	70	4-8-16-250-500	25	−0.7	−0.1	0	+0.2	+0.5	DL	2-5/8	2-3/16	2-1/8	2-13/16		1.5	6.00
6P746	P.P. 8000 Plates	70	4-8-16-250-500	25	−0.7	−0.1	0	+0.1	+0.3	DL	2-5/8	2-3/16	2-1/8	2-13/16		1.5	6.00
6P749	P.P. 10,000 Plates	60	4-8-16-250-500	25	−0.4	−0.1	0	+0.2	+0.3	DL	2-5/8	2-3/16	2-1/8	2-13/16		1.5	6.30
6P752	Sgl. 2500 Plate	60	4-8-16-250-500	10	−3.0	−0.4	0	+0.3	+0.5	DL	2-1/4	1-7/8	2-1/8	2-3/8		1.0	4.75

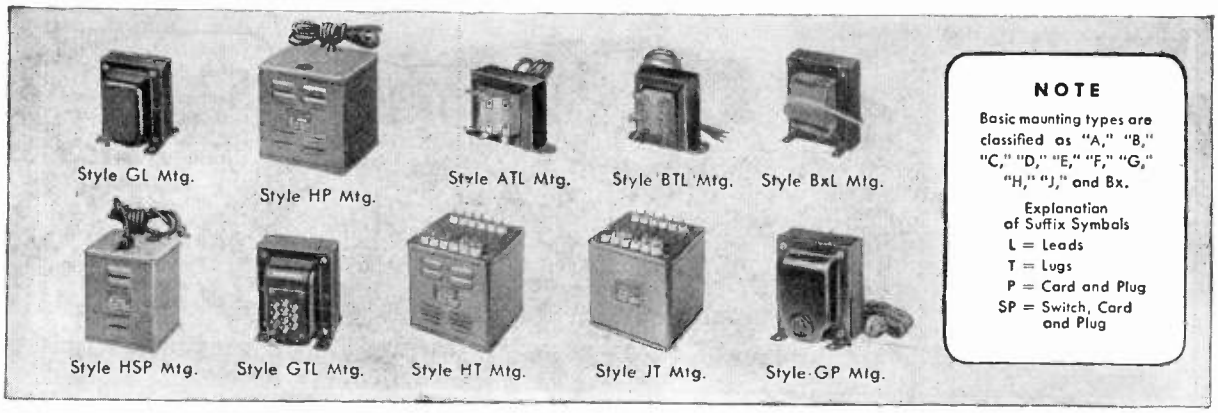
MODULATION TRANSFORMERS—THE "FIVE" SERIES

SNC universal modulation transformers are specifically designed to provide maximum application possibilities per type. All units are provided with two indentical secondary windings, permitting series or parallel operation. Changes in the ratio can be readily accomplished, when desired, without removing the unit from the chassis. Most units available in either air cooled or compound filled cases.

UNIVERSAL TYPES

Type Number	Watts	Primary Current Mils	Secondary Characteristics Series Sec. Impedance	Series Sec. Mils	Parallel Sec. Impedance	Parallel Sec. Mils	Primary Impedance Ohms	Mtg. Style	Dimensions A	B	C	D	E	Net Weight	List Price
5P341	15	60		50		100	3M to 8M	DL	2-5/8	2-3/16	2-3/8	2-13/16		1.5	7.50
5P346	50	80	2M to 18M	75	500 to 4500	150	3M to 15M	GTL	3-7/8	3-1/8	3-3/8	2-1/2	2-3/16	4	11.75
5P352	100	120	2M to 18M	100	500 to 4500	200	3M to 15M	GTL	4-5/8	3-3/4	3-7/8	3	2-13/16	9.7	18.75
5P354 5P355	200	200	2M to 18M	150	500 to 4500	300	3M to 15M	HT JT	7-1/8	5-1/2	5-15/16	4-3/8	4-13/16	24 32	43.00 47.00
5P357 5P358	300	250	2M to 18M	250	500 to 4500	500	3M to 15M	HT JT	7-1/8	6-1/2	7-1/4	5-3/8	6-1/8	33 41	52.00 56.00
5P363 5P364	500	300	2M to 18M	300	500 to 4500	600	3M to 15M	HT JT	10-3/4	6-1/2	7-1/4	5-3/8	6-1/8	51 64	105.00 115.00

S N C MANUFACTURING CO., INC., OSHKOSH, WISCONSIN



NOTE

Basic maunting types are classified as "A," "B," "C," "D," "E," "F," "G," "H," "J," and Bx.

Explanation of Suffix Symbols

L = Leads
T = Lugs
P = Card and Plug
SP = Switch, Card and Plug

Skillful Engineering, latest production techniques and highest quality materials . . . backed by careful workmanship, exacting step-by-step inspection and rigorous final testing . . . are combined in every SNC transformer to provide a quality product that gives MORE in dollar value.

POWER TRANSFORMERS—THE "EIGHT" SERIES

All units conservatively rated for operation on either 50 or 60 cycles and contain an electrostatic shield between primary and all other windings

REPLACEMENT TYPES (6.3 Volt Heater Winding)

Type Number	Primary Voltage	R.M.S.—High Volt. Secondary	Pri. D.C. Mils	Rectifier Filament	Heater Winding Center Tapped	Mtg. Style	Dimensions A	B	C	D	E	Net Wt.	List Price
8P040	117	265–0–265	40	5V. @ 2A.	6.3V. @ 2A.	FL	3	2-1/2	2-3/4	2-1/2	2	2.3	4.50
8P055	117	300–0–300	55	5V. @ 2A.	6.3V. @ 2.5A.	FL	3	2-1/2	3-1/8	2-1/2	2	2.8	4.55
8P070	117	325–0–325	70	5V. @ 2A.	6.3V. @ 3A.	FL	3	2-1/2	3-1/2	2-1/2	2	3.2	5.75

HEAVY DUTY REPLACEMENT AND NEW EQUIPMENT TYPES (6.3 Volt Heater Winding)

Type Number	Primary Voltage	R.M.S.—High Volt. Secondary	Pri. D.C. Mils	Rectifier Filament	Heater Winding Center Tapped	Mtg. Style	Dimensions A	B	C	D	E	Net Wt.	List Price
8P180 8P180G	117	265–0–265	40	5V. @ 2A.	6.3V. @ 2A.	FL GL	3 3-1/16	2-1/2 2-7/32	3-1/4 3-1/8	2-1/2 2	2 2-3/16	3.2	6.15
8P183 8P183G	117	300–0–300	50	5V. @ 2A.	6.3V. @ 2A.	FL GL	3-3/8 3-7/16	2-13/16 2-27/32	3-7/16 3-1/4	2-13/16 2-1/4	2-1/4 2-1/8	3.5	6.50
8P186 8P186G	117	325–0–325	60	5V. @ 2A.	6.3V. @ 3A.	FL GL	3-3/8 3-7/16	2-13/16 2-27/32	3-11/16 3-1/2	2-13/16 2-1/4	2-1/4 2-3/8	4.0	6.85
8P189 8P189G	117	350–0–350	70	5V. @ 3A.	6.3V. @ 3.5A.	FL GL	3-3/4 3-13/16	3-1/8 3-5/32	3-3/4 3-5/8	3-1/8 2-1/2	2-1/2 2-7/16	5.0	7.50
8P192 8P192G	117	350–0–350	90	5V. @ 3A.	6.3V. @ 4A.	FL GL	3-3/4 3-13/16	3-1/8 3-5/32	4 3-7/8	3-1/8 2-1/2	2-1/2 2-11/16	5.7	8.25
8P194 8P194G	117	375–0–375	110	5V. @ 3A.	6.3V. @ 4A.	FL GL	3-3/4 3-13/16	3-1/8 3-5/32	4-1/8 4	3-1/8 2-1/2	2-1/2 2-13/16	6.0	9.25
8P196 8P196G	117	350–0–350	150	5V. @ 3A.	6.3V. @ 4.8A.	FL GL	4-1/8 4-3/16	3-7/16 3-15/32	4-3/8 4-3/8	3-7/16 2-3/4	2-3/4 3-5/16	7.7	9.75
8P199 8P199G	117	400–0–400	70	5V. @ 3A.	6.3V. @ 3.5A.	FL GL	3-3/4 3-13/16	3-1/8 3-5/32	4 3-7/8	3-1/8 2-1/2	2-1/2 2-11/16	5.8	8.75
8P202 8P202G	117	450–0–450	200	5V. @ 3A.	6.3V. @ 5A.	FL GL	4-1/2 4-9/16	3-3/4 3-25/32	4-3/4 4-3/8	3-3/4 3	3 3-11/16	10.7	12.50
8P205	117	450–0–450	325	5V. @ 6A.	6.3V. @ 8A.	HT	7-1/8	5-1/2	5-15/16	4-3/8	4-13/16	22.3	34.00
8P208	117	550–0–550	275	5V. @ 6A.	6.3V. @ 6A.	HT	7-1/8	5-1/2	5-15/16	4-3/8	4-13/16	23.3	34.00

REPLACEMENT TYPES (2.5 Volt Heater Winding)

8P287	117	350–0–350	70	5V. @ 3A.	2.5V. @ 6A.	FL	3-3/4	3-1/8	3-3/4	3-1/8	2-1/2	5.0	7.50
8P293	117	350–0–350	90	5V. @ 3A.	2.5V. @ 8A.	FL	3-3/4	3-1/8	4	3-1/8	2-1/2	5.6	8.15
8P295	117	350–0–350	150	5V. @ 3A.	2.5V. @ 12A.	FL	4-1/8	3-7/16	4-3/8	3-7/16	2-3/4	7.8	9.75

REPLACEMENT TYPES (Two 2.5 Volt Heater Windings)

8P487 8P487G	117	350–0–350	70	5V. @ 3A.	No. 1 = 2.5V. @ 3.5A. No. 2 = 2.5V. @ 8A.	FL GL	3-3/4 3-13/16	3-1/8 3-5/32	4 3-7/8	3-1/8 2-1/2	2-1/2 2-11/16	5.8	9.00
8P494 8P494G	117	375–0–375	110	5V. @ 3A.	No. 1 = 2.5V. @ 3.5A. No. 2 = 2.5V. @ 10A.	FL GL	3-3/4 3-13/16	3-1/8 3-5/32	4-1/4 4-1/8	3-1/8 2-1/2	2-1/2 2-15/16	6.2	9.85

GENERAL PURPOSE TYPES WITH CONVENIENT LUG TERMINALS (6.3 Volt Heater Winding)

Type Number	Primary Voltage	R.M.S.—High Volt. Secondary	Pri. D.C. Mils	Rectifier Filament	Heater Winding Center Tapped	Mtg. Style	Dimensions A	B	C	D	E	Net Wt.	List Price
8P382	117	300–0–300	50	5V. @ 2A.	6.3V. @ 2A.	ET	3-3/8	2-13/16	3-7/16	2-13/16	2-1/4	3.2	5.90
8P385	117	325–0–325	60	5V. @ 2A.	6.3V. @ 3A.	ET	3-3/8	2-13/16	3-11/16	2-13/16	2-1/4	4.0	6.35
8P388	117	350–0–350	70	5V. @ 3A.	6.3V. @ 3.5A.	ET	3-3/4	3-1/8	3-3/4	3-1/8	2-1/2	4.7	6.90

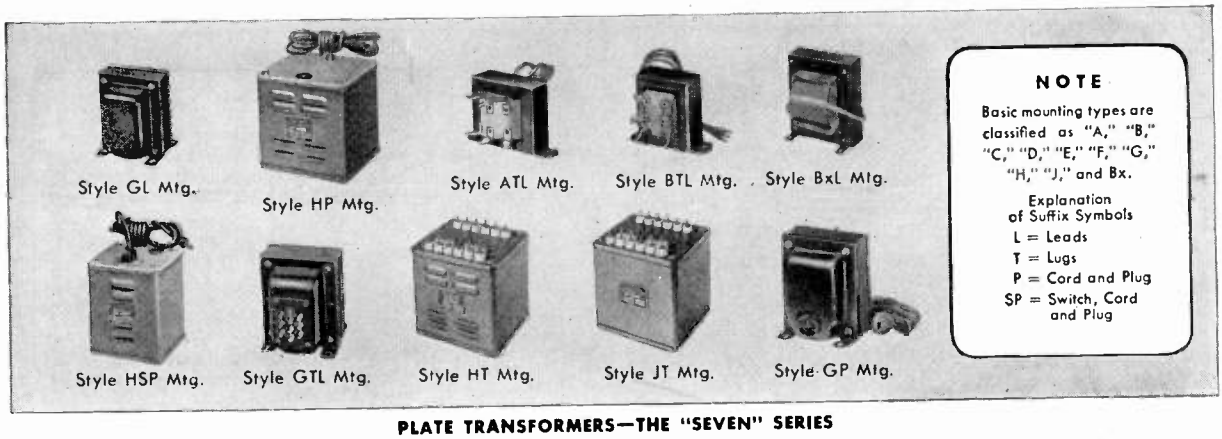
BIAS TYPES

8P510	117	40–0–40	25	5V. @ 2A.		CL	1-7/8	2-1/4	1-3/4	2-13/16		1.0	3.75
8P511	117	0–90–150–200–250	50	5V. @ 2A.		GL	3-1/16	2-7/32	2-5/8	2	1-11/16	2.0	5.45

VIBRATOR TYPES

8P610	6	225–0–225	40			AL	2-3/16	2-5/8	2	3-1/8		1.3	4.25
8P611	6	320–0–320	40			GL	3-1/16	2-7/32	2-1/2	2	1-9/16	2.1	5.10
8P612	6	390–0–390	60			GL	3-7/16	2-27/32	3-5/16	2-1/4	2-3/16	3.7	5.75

See opposite page for Dimensional Illustrations



NOTE

Basic mounting types are classified as "A," "B," "C," "D," "E," "F," "G," "H," "J," and Bx.

Explanation of Suffix Symbols

L = Leads
T = Lugs
P = Cord and Plug
SP = Switch, Cord and Plug

PLATE TRANSFORMERS—THE "SEVEN" SERIES

All SNC plate transformers have dual secondary ratings. Most units available in either air cooled or compound filled cases. All units contain electrostatic shields between primary and high voltage windings.

Type Number	Primary Voltage	Pri. V.A.	Secondary R.M.S. Voltage	D.C. Voltage From Filter*	D.C. Current	Mtg. Style	Dimensions A	B	C	D	E	Net Wt.	List Price
7P530	115-230	220	920-0-920 or 740-0-740	750 or 600	200MA	GL	4-3/4	3-3/4	5-1/8	3	4-1/16	12	15.00
7P535	115-230	320	930-0-930	750	300MA	HT	7-1/8	5-1/2	5-15/16	4-3/8	4-13/16	22	35.00
7P536			or 750-0-750	or 600		JT						30	40.00
7P542	115-230	530	1470-0-1470	1250	300MA	HT	7-1/8	6-1/2	7-1/4	5-3/8	6-1/8	33	42.00
7P543			or 1220-0-1220	or 1000		JT						41	46.00
7P551	115-230	750	2050-0-2050	1750	300MA	HT	7-1/8	6-1/2	7-1/4	5-3/8	6-1/8	43	45.00
7P552			or 1740-0-1740	or 1500		JT						51	55.00
7P557	115-230	1060	2880-0-2880	2500	300MA	HT	10-3/4	6-1/2	7-1/4	5-3/8	6-1/8	53	62.00
7P558			or 2350-0-2350	or 2000		JT						69	67.00
7P563	115-230	1760	2900-0-2900	2500	500MA	HT	10-3/4	9	7-1/4	7	5-13/16	96	90.00
7P564			or 2370-0-2370	or 2000		JT						126	125.00

*All units may be operated with simultaneous loads—provided the total D.C. current of the two loads does not exceed the rating listed.

FILAMENT TRANSFORMERS—THE "FOUR" SERIES

Most SNC Filament Transformers are constructed to provide two identical center tapped secondary windings and offer a minimum of three applications. They provide three-fold the number of possible applications of ordinary filament types. A few are single secondary units and are so designated. All have 117 V. 50/60 cycle primary.

Type Number	Applications: Parallel Secondaries	Series Secondaries	Independent Identical Secondaries	Test Voltage	Mtg. Style	Dimensions A	B	C	D	E	Net Wt.	List Price
4P222	2.5V. C.T. @ 5 A.	5 V. C.T. @ 2.5 A.	Two of 2.5V. C.T. @ 2.5 A.	2000	BL	2-1/4	1-7/8	1-3/4	2-3/8		1.0	2.95
4P226*	2.5V. C.T. @ 10 A.*			7500	BL	3	2-1/2	2-3/8	3-1/8		2.0	4.60
4P227	2.5V. C.T. @ 10 A.	5 V. C.T. @ 5 A.	Two of 2.5V. C.T. @ 5 A.	2000	BL	2-5/8	2-3/16	2	2-13/16		1.5	4.00
4P234	2.5V. C.T. @ 15 A.	5 V. C.T. @ 7.5 A.	Two of 2.5V. C.T. @ 7.5 A.	2000	BL	3	2-1/2	2-1/4	3-1/8		2.2	4.75
4P239	5 V. C.T. @ 6.5A.	10 V. C.T. @ 3.25A.	Two of 5 V. C.T. @ 3.25A.	2000	BL	3	2-1/2	2-1/4	3-1/8		2.2	4.25
4P242*	5 V. C.T. @ 20 A.*			10000	BxL	4-1/8	3-7/16	2-3/4	2-3/4	2-1/8	4.6	8.50
4P243	5 V. C.T. @ 20 A.	10 V. C.T. @ 10 A.	Two of 5 V. C.T. @ 10 A.	2000	BxL	3-3/4	3-1/8	2-3/4	2-1/2	2-1/4	4.3	7.50
4P244*	6.3V. C.T. @ 0.6A.*			2000	BL	1-7/8	1-9/16	1-1/2	2		.6	2.90
4P245*	6.3V. C.T. @ 1.2A.*			2000	BL	1-7/8	1-9/16	1-5/8	2		.7	3.15
4P246	6.3V. C.T. @ 2 A.	12.6V. C.T. @ 1 A.	Two of 6.3V. C.T. @ 1 A.	2000	BL	2-1/4	1-7/8	1-3/4	2-3/8		1.0	3.50
4P251	6.3V. C.T. @ 6 A.	12.6V. C.T. @ 3 A.	Two of 6.3V. C.T. @ 3 A.	2000	BL	3	2-1/2	2-1/4	3-1/8		2.0	4.05
4P256	6.3V. C.T. @ 10 A.	12.6V. C.T. @ 5 A.	Two of 6.3V. C.T. @ 5 A.	2000	BxL	3-3/8	2-13/16	2-1/2	2-1/4	2-1/8	2.9	5.25
4P260	7.5V. C.T. @ 3 A.	15 V. C.T. @ 1.5 A.	Two of 7.5V. C.T. @ 1.5 A.	2000	BL	2-5/8	2-3/16	2	2-13/16		1.5	4.25
4P267	7.5V. C.T. @ 4.5A.	15 V. C.T. @ 2.3 A.	Two of 7.5V. C.T. @ 2.3 A.	2000	BL	3	2-1/2	2-1/4	3-1/8		2.0	5.25
4P272	11 V. C.T. @ 10 A.	22 V. C.T. @ 5 A.	Two of 11 V. C.T. @ 5 A.	2000	BxL	3-3/4	3-1/8	2-3/4	2-1/2	2-1/4	4.1	7.50

*Single secondary units

VOLTAGE CHANGER AND ISOLATION—THE "NINE" SERIES

All Units Have Primary Cord and Secondary Plug and Are For 50/60 Cycle Operation

VOLTAGE CHANGER (ISOLATION)

Type Number	Primary Voltage	Secondary Voltage	Capacity in V. A.	Mtg. Style	Dimensions A	B	C	D	E	Net Wt.	List Price
9P707	220-250	110-125	75	GP	3-13/16	3-5/32	3-1/8	2-1/2	1-15/16	3.9	7.75
9P713	220-250	110-125	150	GP	4-9/16	3-25/32	3-7/8	3	2-13/16	8.0	11.50
9P718	220-250	110-125	350	HP	7-1/8	5-1/2	5-15/16	4-3/8	4-13/16	23.3	30.00

ISOLATION TYPES

9P721	110-250	110-250	150	GP	4-9/16	3-25/32	4-5/8	3	3-9/16	12.1	15.00
9P725	110-250	110-250	250	HP	7-1/8	5-1/2	5-15/16	4-3/8	4-13/16	23.3	24.50
9P728	110-250	110-250	500	HP	7-1/8	6-1/2	7-1/4	5-3/8	6-1/8	34.8	34.50

VOLTAGE ADJUSTMENT TYPES WITH TAP CHANGE SWITCH

9P732	95-130 in 5V. Steps	115	150	HSP	4-7/8	3-7/8	3-7/8	3-1/8	3-1/8	4.7	21.00
9P737	95-130 in 5V. Steps	115	250	HSP	5-3/8	4-3/8	4-1/4	3-5/8	3-1/2	8.0	27.50
9P739	80-130 in 5V. Steps	115	500	HSP	7-1/8	5-1/2	5-15/16	4-3/8	4-13/16	23.3	41.00

All list prices given are subject to regular trade discounts and may be changed without notice.

S N C MANUFACTURING CO., INC., OSHKOSH, WISCONSIN

See Page 2 for Dimensional Illustrations

THORDARSON TRANSFORMERS

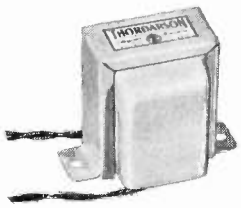
NEW STREAMLINED SERIES

This is the new Thordarson post-war series of Transformers and Chokes. Every unit has been designed for utmost efficiency and adaptability. Many of the engineering and production advancements developed by Thordarson during the war, are used in producing this line.

The new lamination alloys and insulating material, incorporated in this series, results in superior performance and a greater factor of safety without an increase in size or weight. Consequently, some types are smaller and more compact without sacrificing efficiency or performance.

Finished in baked grey enamel and fitted with matched mounting styles, the units present a uniform appearance. This is especially desirable where several Transformers and Chokes are mounted on the same chassis.

Types for Radio Receiver Replacement, Amateur Radio, Sound Systems and allied applications, can be selected from this listing.



FGV

BAH

Z

RTV

RAV

AUDIO INPUT TRANSFORMERS

Type No.	List Price	Mtg.	Application	Ohms Impedance Primary	Ohms Impedance Secondary	Turns Ratio	Mtg. Centers	Dimensions W.	Dimensions D.	Dimensions H.	Wt Lbs.
T-20A00	$2.90	BAH	Line or mic to single or push-pull grids*	600 Ct. 200 Ct. 50	60,000 Ct. 20,000 Ct. 20,000 Ct.	1:10	2	2 3/8	1 1/4	1 11/32	1/2
T-20A01	4.60	FGV	Line or mic to single grid§†	600 Ct. 200 Ct. 50	240,000 80,000 80,000	1:20	2 3/8	2 7/8	1 7/8	2 5/16	1 1/4
T-20A02	4.50	FGV	Line or mic to push-pull grids§	600 Ct. 200 Ct. 50	240,000 Ct. 80,000 Ct. 80,000 Ct.	1:20	2 3/8	2 7/8	1 7/8	2 5/16	1 1/4
T-20A03	4.30	BAH	Single plate and mic or line to grid*	5,000 to 10,000 200	100,000 250,000	1:3.25	2 3/8	2 13/16	1 5/8	1 5/8	3/4
T-20A04	2.90	BAH	Voice coil or mic to grid*	3 to 6 50	38,400 320,000	1:80	2	2 3/8	1 1/4	1 11/32	1/2
T-20A05	10.60	RTV	Line or mic to single or push-pull grids§ (Hum-bucking coil and core—fully potted)	600 Ct. 200 Ct. 50	60,000 Ct. 20,000 Ct. 20,000 Ct.	1:10	1 5/16 x 1 5/16	1 5/16 Diam.		2	1/2
T-20A06	10.60	RTV	Line to Line (Hum-bucking coil and core—fully potted)	600 Ct. 200 Ct. 50 Ct.	600 Ct. 200 Ct. 50 Ct.	1:1	1 5/16 x 1 5/16	1 5/16 Diam.		2	1/2
T-20A40	25.00	Z	Microphone cable input transformer‡	30 to 60	50,000	1:31.6		1 Diam.		2 11/16	3/4
T-20A41	25.00	Z	Microphone cable input transformer‡	200 to 250	50,000	1:14.2		1 Diam.		2 11/16	3/4

† Can be used in reverse—i.e., High impedance source to line. * Frequency response—250 to 10,000 c.p.s. § Frequency response—60 to 10,000 c.p.s.
‡ Used for converting high impedance input of amplifier to accommodate low impedance microphones—Frequency response within 1/2 Db 30 to 5,000 c.p.s.—High permeability shield for reduction of hum—Fitted with 2-prong connector for balanced mic cable and single contact connector for fitting to amplifier input.

AUDIO INTERSTAGE TRANSFORMERS

Type No.	List Price	Mtg.	Application	Ohms Impedance Primary	Ohms Impedance Secondary	Turns Ratio	Pri. M.A.	Mtg. Centers	Dimensions W.	Dimensions D.	Dimensions H.	Wt. Lbs.
T-20A16	$2.50	BAH	Single plate to single or push-pull grids	10,000	40,000 Ct.	1:2	8	2	2 3/8	1 1/4	1 11/32	1/2
T-20A17	4.25	RAV	Single plate to single or push-pull grids	10,000	40,000 Ct.	1:2	8	1 7/16	1 9/16 Diam.		2	1/2
T-20A19	3.40	BAH	Single or push-pull plates to single or push-pull grids	Universal		1:3	8	2 3/8	2 13/16	1 5/8	1 5/8	3/4
T-20A22	4.25	BAH	Single plate to single or push-pull grids	10,000	90,000 Ct.	1:3	8	2 7/8	3 1/4	2 1/8	1 15/16	1 1/4
T-20A23	4.90	FGV	Single plate to single or push-pull grids	10,000	90,000 Ct.	1:3	8	2 3/8	2 7/8	2 1/16	2 5/16	1 1/2
T-20A24	5.00	FGV	Push-pull plates to push-pull grids	20,000 Ct.	180,000 Ct.	1:3	8 Bal.	2 3/8	2 7/8	2 1/16	2 5/16	1 1/2
T-20A25 CHT	10.60	RTV	Single or push-pull plates to single or push-pull grids (Hum-bucking coil and core—fully potted)	Universal		1:1.41	8 Bal.	1 5/16 x 1 5/16	1 9/16 Diam.		2	1/2
T-20A27	10.60	RTV	Single plate to single or push-pull grids	10,000 2,500	40,000 20,000	1:2			2 7/8 Diam.		3 9/16	2 1/2

TUBE TO LINE TRANSFORMERS (Low Level)

Type No.	List Price	Mtg.	Application	Ohms Impedance Primary	Ohms Impedance Secondary	Turns Ratio	Pri. M.A.	Mtg. Centers	Dimensions W.	Dimensions D.	Dimensions H.	Wt. Lbs.
T-22S90	$4.50	FGV	Single or push-pull plates to line	20,000 Ct.	500 Ct. or 125 to 200	..	8	2 3/8	2 27/32	1 7/8	2 3/8	1 1/4
T-22S92	9.90	RTV	Single or push-pull plates to line (Hum-bucking coil and core—fully potted)	20,000 Ct.	500 Ct. or 125 to 200	..	8	1 5/16 x 1 5/16	1 9/16 Diam.		2	1/2

DRIVER TRANSFORMERS

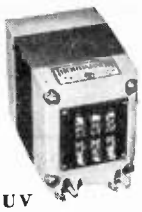
Type No.	List Price	Mtg.	Application	Turns Ratio Pri.—1/2 Sec.	Pri. M.A.	Mtg. Centers	Dimensions W.	Dimensions D.	Dimensions H.	Wt. Lbs.
T-20D75	$2.75	BAH	Single plate to push-pull Class B grids Primary 10,000 ohms—1H4-G or 30 to 19, etc.	2.4:1	5	2	2 3/8	1 1/4	1 3/8	1/2
T-20D76	2.90	BAH	Single plate to push-pull Class B grids Primary single 6N7 to Class B 6N7, etc.	5.2:1	15	2	2 3/8	1 1/4	1 3/8	1/2
T-20D77	4.30	FGV	Primary single 6F6 to PP 6F6, etc.	2.5:1	30	2 3/8	2 7/8	2 1/16	2 5/16	1 1/4
T-20D78	5.75	GGV	Push-pull plates to push-pull grids Primary 6F6 triode to PP 6L6, etc.	4:1	40	2 x 1 11/16	2 9/16	2 11/16	3 1/8	2 1/2
T-20D79	4.90	FGV	Parallel or P-P parallel 6N7 to P-P parallel 6N7, etc.	5.2:1	30	2 3/8	2 7/8	2 1/16	2 5/16	1 1/2
T-20D80	6.80	GGV	Push-pull 2A3 or 6A3 to 805-838, etc.	3.2:1	100	2 x 1 11/16	2 9/16	2 11/16	3 1/8	2 1/2
T-20D81	8.65	GGV	Push-pull 845 to push-pull 805-833, etc.	5:1	100	2 1/2 x 2 5/16	3 3/16	3 7/16	3 7/8	4 1/2
T-20D82	7.50	GGV	Push-pull plates to push-pull grids Push-pull 2A3-6F6, etc. to 805, etc.	5:1 4:1,3.2:1	100	2 x 1 11/16	2 9/16	2 11/16	3 1/8	2 1/2
T-20D83 CHT	26.45	PUV	20 Watt 500 Ohm line to class B grids.	1:.75,1:.85,1:1.25, 1:1.4,1:1.75,1:2,1:2.25, 1:2.5,1:2.75,1:3		1 3/4 x 4 3/8	3 1/8	4 3/4	4	8
T-20D84	14.50	GGV*	20 Watt 500 Ohm line to class B grids	1:.75, 1:.85, 1:1.25, 1:1.4, 1:1.75, 1:2, 1:2.25, 1:2.5, 1:2.75, 1:3		2 1/4 x 2	3	3 1/2	3 5/8	3 1/2

*Terminal Board with Solder Lugs on Both Shields 20 Watts Capacity.

TRANSFORMER SPECIALISTS SINCE 1895 THORDARSON

THORDARSON TRANSFORMERS


GGV


PUV


BHH


KTV

OUTPUT TRANSFORMERS

Type No.	List Price	Mtg.	Application	Primary Imp. Ohms	Max. Prim. Per Side	D.C. M.A. Unbal.	Secondary Imp. Ohms	Power Watts	Mtg. Centers	Dimensions W	D	H	Wt. Lbs.
T-22S45	$2.05	BAH	Single plate to voice coil.....	1500 to 3000.....	..	55	3.2	3	2	2⅜	1¼	1⅜	½
T-22S46	2.30	BAH	Single plate to voice coil.....	3000 to 6000.....	..	35	3.2	3	2	2⅜	1¼	1⅜	½
T-22S47	2.75	BAH	Single or push-pull plates to voice coil	6000 to 12000 Ct...	35	35	3.2	3	2	2⅜	1¼	1⅜	½
T-22S48	2.80	BAH	Single or push-pull plates to voice coil	12000 to 25000 Ct..	10	8	3.2	3	2	2⅜	1¼	1⅜	½
T-22S56	4.15	BAH	Single or push-pull plates to voice coil	8000/10000 Ct.....	50	35	3.2 to 4/6 to 8	8	2 13/16	3¼	1¾	2	1¼
T-22S58	4.15	BAH	Single or push-pull plates to voice coil	5000/7000 Ct.....	50	45	3.2 to 4/6 to 8	8	2 13/16	3¼	1¾	2	1¼
T-22S60	4.30	BAH	Single or push-pull plates to voice coil	2500/4000 Ct.....	60	60	3.2 to 4/6 to 8	8	2 13/16	3¼	1¾	2	1¼
T-22S64	7.20	GGV	Single or push-pull plates to voice coil	10000 Ct.....	50	30	3.2 to 4/6 to 8/15/250/500	25	2 x 1 11/16	2 17/32	2 11/16	3 3/32	2½
T-22S66	7.20	GGV	Single or push-pull plates to voice coil	8000 Ct.....	50	30	3.2 to 4/6 to 8/15/250/500	25	2 x 1 11/16	2 17/32	2 11/16	3 3/32	2½
T-22S68	6.75	GGV	Single or push-pull plates to voice coil	6500 Ct.....	70	40	3.2 to 4/6 to 8/15/250/500	25	2 x 1 11/16	2 17/32	2 11/16	3 3/32	2½
T-22S70	7.70	GGV	Single or push-pull plates to voice coil	5000 Ct.....	80	45	3.2 to 4/6 to 8/15/250/500	25	2 x 1 11/16	2 17/32	2 11/16	3 3/32	2½
T-22S72	7.70	GGV	Single or push-pull plates to voice coil	3000 Ct.....	90	50	3.2 to 4/6 to 8/15/250/500	25	2 x 1 11/16	2 17/32	2 11/16	3 3/32	2½
T-22S78	10.95	GGV	Single or push-pull plates to voice coil	3300 Ct.....	180	150	3.2 to 4/6 to 8/15/250/500	60	2½ x 2 11/16	3 5/32	3 5/8	3 15/16	5¼
T-22S74	6.35	BHH	Universal single or push-pull tubes to voice coil	14000/10000/8000/ 6600/5000/3000/2500 Ct.	80	60	1 to 30	25	3 9/16	4	2½	2 9/16	2½
T-22S76	6.60	BHH	Universal single or push-pull tubes to line	14000/12000/10000/ 8000/5000/3000 Ct.	80	60	500	25	3 9/16	4	2½	2 9/16	2½
T-22S80	4.40	BHH	Single line to voice coil.....	500 to 600	..	..	3.2 to 4/6 to 8/15	8	3⅛	3 1/16	2	2¼	1½
T-22S82	7.15	BHH	Multiple lines to voice coil...	2000/1500/1000/500	..	..	3.2 to 4/6 to 8/15	25	3 9/16	4	2¾	2 9/16	2¼
T-22S83	4.90	BAH	Multiple lines to voice coil...	2000/1500/1000/500	..	..	3.2 to 4/6 to 8/15	15	3⅛	3 1/16	2	2¼	1½
T-22S84	4.50	BAH	Multiple lines to voice coil.....	2000/1500/1000/500	..	..	3.2 to 4/6 to 8/15	5	2 13/16	3¼	1¾	2	1
T-22S85	4.10	BAH	Multiple lines to voice coil...	2000/1500/1000/500	..	..	3.2 to 4/6 to 8/15	3	2⅜	2⅞	1½	1⅝	¾
T-22S62	4.25	BHH	Universal single plate to voice coil	4000/3000/2500/ 2000/1500	..	50	.1 to 29	8	2 13/16	3¼	2	2	1¼
T-22S88	3.75	BAH	Universal single or push-pull plates to voice coil	14000 Ct./8000 Ct./ 3500/2000	50	10	3.2 to 4/6 to 8/15	8	2 13/16	3¼	1¾	2	1
T-22S87	3.45	BAH	Universal single or push-pull plates to voice coil	14000 Ct./8000 Ct./ 3500/2000	50	10	3.2 to 4/6 to 8	6	2⅜	2⅞	1½	1⅝	¾
T-22S86	3.15	BAH	Universal single or push-pull plates to voice coil	14000 Ct./8000 Ct./ 3500/2000	50	10	3.2 to 4/6 to 8	3	2	2⅜	1¼	1⅜	½

"24" REPLACEMENT LINE SERVICE OUTPUT TRANSFORMERS

Type No.	List Price	Mtg. Fig.	Typical Tube Applications	Class	Pri. Imp.	Pri. Ma.	Secondary Imp. Ohms	Max. Watts	Mtg. Centers	Dimensions W	D	H	Wt. Lbs.
TS-24S50	$1.35	BAH	2A3, 6A3, 6B4, 6W6, 7A5, 23ACS, 25B5, 25N6, 25L6, 35A5, 35L6, 35B5, 50A5, 50L6, 70L7, 48, etc.	A	2000	55	3–4	5	2	2⅜	1¼	1⅜	½
TS-24S51	1.38	BAH	31, 43, 45, 50, 59, 71A, 1S4, 2B6, 6A5G, 6V6, 7C5, 12A5, 25A5, 25A6, 25A7, 35L6, etc.	A	5000	40	3–4	5	2	2⅜	1¼	1⅜	½
TS-24S52	1.30	BAH	20, 31, 33, 41, 42, 46, 47, 59, 89, 1C5, 1G5, 1Q5, 1S4, 2A5, 3Q5, 6A4, 6AC5, 6B5, 6F6, 6K6, 6N6, 6V6, 7B5, etc.	A	7000	30	3–4	5	2	2⅜	1¼	1⅜	½
TS-24S54	1.48	BAH	38, 85, 1D8, 1E7, 1F4, 1F5, 1J5, 1T5, 6F6, 6V7, 6Y7, etc.	A	15000 to 25000	10	3–4	5	2	2⅜	1¼	1⅜	½

UNIVERSAL SERVICE REPLACEMENT

TS-24S60	$2.40	BHH	Single or push-pull plates.....	A	4M, 7M, 8M, 10M, 14M C.T.	35	.1 to 29 ohms	4	2	2⅜	1¼	1⅜	½
TS-24S61	2.70	BHH	Single or push-pull plates.....	A	4M, 7M, 8M, 10M, 14M, C.T.	40	.1 to 29 ohms	8	2⅜	2⅞	1½	1⅝	1

MODULATION TRANSFORMERS

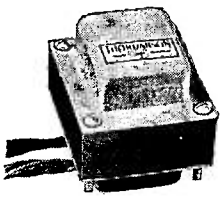
Type No.	List Price	Mtg.	Capacity Watts	Primary Imp. Ohms	Secondary Imp. Ohms	Secondary Volts	Secondary M.A.	Primary Application	Mtg. Centers	Dimensions W.	D.	H.	Wt. Lbs.
T-21M50	$3.40	BAH	3	10,000 Ct.	4500	135	30	19, etc.	2	2⅜	1⅜	1⅜	½
T-21M52	4.90	FGV	10	10,000 Ct.	4500/3750/3000	350	80	6N7, etc.	2⅜	2⅞	2 1/16	2 3/16	1¼
T-21M54	6.60	GGV	25	6,600 Ct.	4000	400	100	PP 6L6, etc.	2 x 1 15/16	2 9/16	2 15/16	3⅛	2¾
T-21M56	10.95	GGV	75	10,000 Ct.	6600/3750	1250 Max.	200	TZ-20-809 etc.	2½ x 2 15/16	3 3/16	4 3/16	3⅞	6¾
T-21M58	25.90	KTV	100	15,000 Ct.	6250	1250 Max.	200	811-812, etc.	3½ x 4 1/16	4 9/16	5 11/16	5⅝	13

It is essential that the class C R.F. load be properly matched to the class B modulator tubes for a maximum transfer of speech energy with low distortion. Thordarson Multi-Match modulation transformers have sufficient flexibility to enable the engineer or amateur to adjust the impedance ratio of primary to secondary, to meet any practical condition of operation. This feature forestalls the possibility of the modulation transformer becoming obsolete due to changing the modulator or class C tubes. The use of new tubes or a change in class C voltage and current will not necessitate the need of a new modulation transformer, providing the power capacity is adequate. Complete charts and instructions for proper matching are supplied with each unit.

UNIVERSAL MULTI–MATCH MODULATION TRANSFORMERS

Type No.	List Price	Mtg.	Capacity Watts	Primary M.A. each side	Secondary Series	M.A. Parallel	Mtg. Centers	Dimensions W.	D.	H.	Wt. Lbs.
T-21M60	$17.85	KTV	15	50	50	100	2 1/16 x 2½	2 15/16	3 11/16	4	3¾
T-21M61	24.00	PUV	60	125	125	250	1¾ x 4⅝	3⅛	5¼	4	8¾
T-21M62	36.00	PUV	125	210	160	320	2⅜ 16 x 6⅛	4 1/16	6⅝	5 5/16	16¾
T-21M64	57.50	PUV	300	250	250	500	2 11/16 x 6⅞	4 11/16	7¾	6	20
T-21M65	96.00	PUV	500	320	320	640	3 1/16 x 10	5 5/16	11	6⅞	50
T-21M66	27.00	KTV	50	500 Ohm Line to R.F. Load—5000/6000/7000/ 8000/9000/10,000 Ohms—Max. Sec. D.C. 200 M.A.			3¼ x 3¾	4 3/16	5 3/16	5¼	11

THORDARSON TRANSFORMERS



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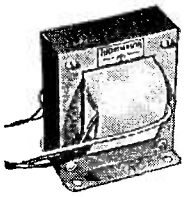

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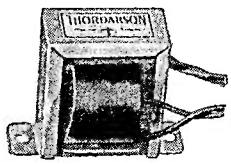

BAV

REPLACEMENT POWER TRANSFORMERS

Type No.	List Price	Mtg.	H.V. Secondary A.C. Volts	M.A. D.C.	Rct. Fil.	Fil. No. 2	Fil. No. 3	Pri. Volts 50/60 Cy.	Pri. VA.	Mtg. Centers	Dimensions W.	D.	H.	Wt. Lbs.
T-22R00	$6.90	AGF	250–0–250	40	5V.-2A.	6.3V. CT-2A.		117	45	2 x 2½	2½	3	1 11/16	1¾
T-22R01	7.00	AGF	275–0–275	50	5V.-2A.	6.3V. CT-2.5A.		117	55	2 x 2½	2½	3	1 15/16	2¼
T-22R02	8.35	AGF	300–0–300	70	5V.-2A.	6.3V. CT-3A.		117	65	2 x 2½	2½	3	2 3/16	2¾
T-22R04	8.55	AGF	300–0–300	90	5V.-2A.	6.3V. CT-3.5A.		117	80	2¼ x 2 13/16	2 13/16	3 3/8	2 5/16	3
T-22R05	9.50	AGF	300–0–300	120	5V.-3A.	6.3V. CT-5A.		117	95	2½ x 3⅛	3⅛	3¾	2½	4¼
T-22R06	10.00	AGF	325–0–325	150	5V.-3A.	6.3V. CT-5A.		117	125	2½ x 3⅛	3⅛	3¾	3	5¾
T-22R07	12.40	AGF	350–0–350	200	5V.-3A.	6.3V. CT-6A.		117	165	3 x 3¾	3¾	4½	2 15/16	7¾
T-22R08	6.90	AGF	250–0–250	40	5V.-2A.	2.5V. CT-4A.		117	40	2 x 2½	2½	3	1 11/16	1¾
T-22R09	7.50	AGF	275–0–275	50	5V.-2A.	2.5V. CT-7.5A.		117	55	2 x 2½	2½	3	1 15/16	2¼
T-22R10	9.80	AGF	325–0–325	85	5V.-2A.	2.5V. CT-9A.	2.5V. CT-3.5A.	117	90	2½ x 3⅛	3⅛	3¾	2¼	3½
T-22R11	10.95	AGF	325–0–325	120	5V.-3A.	2.5V. CT-12.5A	2.5V. CT-5A	117	125	2½ x 3⅛	3⅛	3¾	3	5½
T-22R12	4.00	BAH	120V	75	6.3V-1.5A					3⅛	3 11/16	1 1/64	2 3/16	1

POWER TRANSFORMERS (AMPLIFIER, ETC.)

T-22R30	$8.35	GGV	275–0–275	50	5V.-2A.	6.3V. CT-2.5A.		117	55	2 x 2 3/16	2 17/32	3 3/16	3 3/32	3¼
T-22R31	9.50	GGV	360–0–360	80	5V.-2A.	6.3V. CT-2.5A.		117	76	2 x 2 11/16	2 17/32	3 11/16	3 3/32	4
T-22R32	11.25	GGV	350–0–350	110	5V.-2A.	6.3V. CT-3A.	6.3V. CT-3A.	117	107	2½ x 2 11/16	3 5/32	3 15/16	3 7/8	5¾
T-22R33	12.10	GGV	375–0–375	160	5V.-3A.	6.3V. CT-5A.		117	145	3 x 3 9/16	3 25/32	2 15/16	4 5/8	7¾
T-22R34	15.55	GGV	385–0–385	225	5V.-3A.	6.3V. CT-5A.		117	186	3 x 3 9/16	3 25/32	4 11/16	4 5/8	10
T-22R35	16.50	GGV	400–0–400	340	5V.-6A.	6.3V. CT-7A.		117	290	3 x 4 1/16	3 25/32	5 5/16	4 5/8	12½
T-22R36	12.50	GGV	600–0–600	200	5V.-3A.	6.3V. CT-5A.				3 x 3 5/16	3 13/16	4 1/16	4 5/8	8½

Intermittent Duty and Low Cost P.A. Amplifiers.

UNIVERSAL POWER REPLACEMENT "24" SERVICE LINE

Type No.	List Price	Mtg.	H. V. Secondary A.C. Volts	M.A. D.C.	Rct. Fil.	Fil. No. 2	Mtg. Centers	Dimensions W.	D.	H.	Wt. Lbs.
TS-24R00	$4.90	AGF	240–0–240	40	5V.-2A	6.3V.CT-2A	2 x 2½	2½	3	1 13/16	1¾
TS-24R00-U	4.90	GGV	240–0–240	40	5V.-2A	6.3V.CT-2A	2 x 1 9/16	2 9/16	3 1/8	1¾
TS-24R01	5.15	AGF	325–0–325	40	5V.-2A	6.3V.CT-2A	2 x 2½	2½	3	1 15/16	2¼
TS-24R01-U	5.15	GGV	325–0–325	40	5V.-2A	6.3V.CT-2A	2 x 1 11/16	2 9/16	2 11/16	3 1/8	2¼
TS-24R02	6.25	AGF	350–0–350	70	5V.-2A	6.3V.CT-2.5A	2¼ x 2 13/16	2 13/16	3 3/8	2 9/16	3½
TS-24R02-U	6.25	GGV	350–0–350	70	5V.-2A	6.3V.CT-2.5A	2¼ x 2¼	2 7/8	3 7/16	3½	3½
TS-24R04	6.75	AGF	350–0–350	90	5V.-3A	6.3V.CT-3.5A	2¼ x 2 13/16	2 13/16	3 3/8	2 15/16	3¾
TS-24R04-U	6.75	GGV	350–0–350	90	5V.-3A	6.3V.CT-3.5A	2¼ x 2 5/8	2 7/8	3 15/16	3½	3¾
TS-24R05	7.65	AGF	350–0–350	120	5V.-3A	6.3V.CT-4.7A	2½ x 3⅛	3⅛	3¾	3	5
TS-24R05-U	7.65	GGV	350–0–350	120	5V.-3A	6.3V.CT-4.7A	2½ x 2 11/16	3 3/16	3 15/16	3 7/8	5
TS-24R06	9.05	AGF	375–0–375	150	5V.-3A	6.3V.CT-4.7A	2¾ x 3 7/16	3 7/16	4 1/8	3 7/8	5¾
TS-24R06-U	9.05	GGV	375–0–375	150	5V.-3A	6.3V.CT-4.7A	2¾ x 2 13/16	3½	3 15/16	4¼	5¾
TS-24R07	12.00	AGF	400–0–400	200	5V.-3A	6.3V.CT-5A	3 x 3¾	3¾	4½	3 5/16	8½
TS-24R07-U	12.00	GGV	400–0–400	200	5V.-3A	6.3V.CT-5A	3 x 3 5/16	3 13/16	4 7/16	4 5/8	8½

VIBRATOR POWER TRANSFORMERS

Type No.	List Price	Mtg.	Primary	H.V. Secondary	Sec. No. 2	Mtg. Centers	Dimensions W.	D.	H.	Wt. Lbs.
T-22R25	$6.50	TTV‡	6-8 volts D.C.	150 volts D.C. at 40 M.A.		Exact Repl.	2 3/8	2 3/16	3	2
T-22R27	7.00	TTV‡	6-8 volts D.C.	250 volts D.C. at 50 M.A.		Exact Repl.	2 3/8	2 3/16	3	2
‡ Fully shielded and potted—popular replacement size.										
T-22R20	$6.35	CAV	6-8 volts D.C.	250 volts D.C. at 50 M.A.		2 x 1¾	2½	2¼	3 1/16	2½
T-22R22	7.50	CAV	6-8 volts D.C.	325 volts D.C. at 75 M.A.		2 x 2½	2½	3	3 1/16	3½
T-22R24	14.40	GGV	117V. 60 cycle or 6-8 volts D.C.	325 volts D.C. at 135 M.A.	6.3 volts Ct. at 4.75 A.	3 x 3 1/16	3 15/16	4 3/16	4 9/16	8¾

PLATE TRANSFORMERS

The new Thordarson plate transformers are designed to deliver the rated D.C. voltage from a two-section filter which includes the voltage drop in the rectifier tubes and chokes. Two current ratings are indicated, "Continuous Commercial Service" (CCS) and "Intermittent Commercial or Amateur Service" (ICAS). These dual ratings make it possible to select the plate transformer exactly suited for each application.

Type No.	List Price	Mtg.	Pri. Volts 50–60 Cy.	Prim. ICAS	V.A. CCS	Secondary Volts A.C. R.M.S.	D.C. Volts	D.C.M.A. ICAS	CCS	Mtg. Centers	Dimensions W.	D.	H.	Wt. Lb.
T-21P75	$155.25	PUV	115/230	1900	1500	3000-2400-1500-0-1500-2400-3000	2500-2000-1250	650	500	4 9/32 x 12 5/16	7 9/16	13½	9 9/16	135
T-21P77	90.50	PUV	115/230	1250	900	3000-2450-0-2450-3000	2500-2000	425	300	3¼ x 10	6 3/8	11	9	77
T-21P79	74.00	PUV	115/230	1000	750	1875-1560-0-1560-1875	1500-1250	550	400	3 1/16 x 10 1/8	5 5/16	11	6 7/8	60
T-21P81	69.00	PUV	115*	630	480	1560-1265-0-1265-1560	1250-1000	425	300	3 1/16 x 10 1/8	5 5/16	11	6 7/8	57
T-21P82	69.00	PUV	115*	820	600	2335-1700-0-1700-2335	2000-1500	300	220	3 1/16 x 9 1/8	5 5/16	10	6 7/8	43
T-21P83	36.00	PUV	115*	440	300	1560-1250-0-1250-1560	1250-1000	300	200	2 11/16 x 7 5/8	4 11/16	8½	6	33
T-21P85	29.35	PUV	115*	370	260	850-730-0-730-850	600-500	425	300	2 5/16 x 6 3/8	4 1/16	6 7/8	5 5/16	19
T-21P87	17.25	GGV	115*	250	185	835-656-0-656-835	650-500	300	220	3 x 3 5/16	3 25/32	4 1/16	4 5/8	10
T-21P89	11.50	GGV	115	135	95	550-0-550	450	250	175	2½ x 2 15/16	3 1/16	4 3/16	3 7/8	6½
T-21P91	40.00	PUV	115	375	280	1200-0-1200	1000 and 750†	200	150	2 5/16 x 6 7/8	4 1/16	7 3/8	5 5/16	22
						900-0-900†		150	110					
T-21P93	16.10	GGV	115	210	160	1075-0-1075	1000 and 400†	110	95	3 x 3 5/16	3 25/32	4 11/16	4 5/8	10
						500-0-500†		150	125					

* Secondary voltages changed by means of primary taps.

† Designed for double rectifiers and will deliver both secondary ratings simultaneously. If only the lower voltage taps are used the current rating is equal to the current rating of both windings.

TRANSFORMER SPECIALISTS SINCE 1895 THORDARSON

THORDARSON TRANSFORMERS

FILAMENT TRANSFORMERS

Type No.	List Price	Mtg.	Secondary Volts	Amps.	Ins R.M.S.	Pri. Volts 50/60 Cy.	Mtg. Centers	Dimensions W	D	H	Wt. Lbs
T-21F00	$3.60	BAV	2.5 Ct.	@ 5	1600	117	2⅜	2⅞	1¾	2 5/16	1
T-21F01	4.35	BAV	2.5 Ct.	@ 10	1600	117	2 11/16	3 5/16	2	2 11/16	1½
T-21F02	6.20	CAV	2.5 Ct.	@ 10	7500	117	2 x 1¾	2½	2¼	3 1/16	2¼
T-21F03	4.15	BAV	5 Ct.	@ 3	1600	117	2⅜	2⅞	1¾	2 5/16	1
T-21F04	5.30	BAV	5 Ct.	@ 8	1600	117	2 11/16	3 5/16	2	2 11/16	1½
T-21F05	6.00	CAV	5 Ct.	@ 3	10,000	117	2 x 1¾	2½	2¼	3 1/16	2
T-21F06	6.35	CAV	5 Ct.	@ 13	1600	117	2 x 2	2½	2½	3 1/16	2¾
T-21F07	8.65	CAV	5 Ct.	@ 21	1600	117	2½ x 2¼	3⅛	3¼	3 13/16	5¼
T-21F08	3.15	BAV	6.3 Ct.	@ 1	1600	117	2	2⅜	1½	2	¾
T-21F10	4.15	BAH	6.3 Ct.	@ 3	1600	117	2¾	3¼	1¾	2	1
T-21F11	6.15	BAV	6.3 Ct.	@ 6	1600	117	2 11/16	3 5/16	2	2¾	1½
T-21F12	6.05	CAV	6.3 Ct.	@ 10	1600	117	2 x 2	2½	2¾	3 1/16	2¾
T-21F14	4.15	BAH	6.3-5-2.5	@ 2.5	1600	117	2¾	3¼	1¾	2	1
T-21F15	4.60	BAV	7.5 Ct.	@ 4	1600	117	2 11/16	3 5/16	2	2 11/16	1½
T-21F16	6.05	CAV	7.5 Ct.	@ 8	1600	117	2 x 2	2½	2¾	3 1/16	2¾
T-21F17	7.50	CAV	7.5 Ct.	@ 12	1600	117	2¼ x 2¼	2 13/16	3¼	3½	4
T-21F18	6.05	CAV	10 Ct.	@ 5	1600	117	2 x 1¾	2½	2¼	3 1/16	2¼
T-21F19	8.65	CAV	10 Ct. 11 Ct.	@ 12 or @ 11	1600	117	2½ x 2¼	3⅛	3¼	3 13/16	5¼

CHOKES—REACTORS

Universal Types—Swinging and Smoothing

Thordarson Universal Chokes are designed for use both in the input and smoothing positions. Where the current taken from the power supply is essentially constant (not varying more than a few percent) the chokes should be selected so as not to exceed the rated D.C.-M.A. If the current fluctuates considerably, as is the case where the power supply furnishes a class B modulator stage, the chokes should be selected so as not to exceed the rated D.C.-M.A. rating under the steady state of operation, and not to exceed the Max. D.C.-M.A. rating when the modulator stage is fully excited.

These are truly universal chokes suitable for use in power supplies requiring either input, swinging or smoothing types.

The tapped Splatter Chokes are used between the modulator and Class C stage for eliminating objectionable side band splatter. Full instructions and circuit diagrams are supplied with each unit.

Type No.	List Price	Mtg. Fig.	Inductance in Henries* O D.C.	Rated D.C.	Max. D.C.	Current in M.A. Rated D.C.	Max. D.C.	D.C. Res. Ohms	Test Volts R.M.S.	Mtg. Centers	Dimensions W.	D.	H.	Wt. Lbs.
T-20C50	$3.45	BAH	475	350	75	5	25	5500	2000	2⅞	3¼	2	2	1½
T-20C51	2.30	BAH	70	35	15	15	25	1850	1200	2	2⅜	1¼	1⅜	½
T-20C52	2.00	BAH	13	8	4	40	65	450	1200	2	2⅜	1¼	1⅜	½
T-20C59	2.40	BAH	14	7	5	55	65	200	1600	2⅜	2 5/16	1 5/8	1 5/8	¾
T-20C53	2.95	BAH	24	12	8	80	100	375	2000	2⅞	3¼	2	2	1¼
T-20C64	3.60	BAH	15	4	3	130	150	100	1600	3⅛	3 11/16	2 5/8	2¼	1½
T-20C54	4.90	GGV	16	8	4	150	200	145	2700	2x1 11/16	2 17/32	2¾	3⅛	2½
T-20C54-P	10.00	CHT	16	8	4	150	200	145	2700	2 11/16x2 5/32	3	2¾	4	3¾
T-20C55	6.35	GGV	11	6	2	200	300	75	2700	2¼x2	2⅞	3¼	3½	3½
T-20C55-P	12.75	CHT	11	6	2	200	300	75	2700	2 25/32x2 11/32	3⅜	3	4 5/32	5
T-20C56	9.25	GGV	10	7	4	300	375	60	3500	2⅛x3	3 5/16	4⅜	3⅞	6½
T-20C56-P	16.25	CHT	10	7	4	300	375	60	3500	3⅝x3⅛	4¼	3¾	4 13/16	8½
T-20C57	34.50	PUV	16	10	6	500	600	65	7500	2 11/16x7	4 11/16	7¾	6	26
T-20C58	2.30	BAH		.75		.5		30	1100	2⅜	2 13/16	1½	1 5/8	½

*Measured at 50 volts, 60 eyeles at D.C. eurrent shown.

Dual Tone Control Reactor

T-20C74	$4.75	RAV	22	0	HUM-BUCKING CONSTRUCTION	220	500	1⅞	1 15/16	Diameter	2	½
R-1068	3.15	USED IN CONJUNCTION WITH DUAL TONE CONTROL CHOKE T-20C74										¼

Splatter Chokes

Type No.	List Price	Mtg.	Applieation	D.C. Resistance	Mtg. Dim.	Dimensions W.	D.	H.	Wt. Lbs.
T-20C62	$4.00	BAH	Inductanee—.2 to 1.5 H. @ 100 M.A. D.C.	96 ohms	2 13/16	1 15/16	1⅞	2 5/16	1¼
T-20C60	$16.25	KTV	Inductanee—.2 to 1.5 H. @ 300 M.A. D.C.	30 ohms	2⅝ x 3⅛	3 17/32	4 13/32	4½	7
T-20C61	20.00	KTV	Inductanee—.2 to 1.5 H. @ 500 M.A. D.C.	27 ohms	2⅞ x 3 1/16	3 27/32	4 25/32	4⅞	9

Voltage Changer—Auto Transformers

T-23V21	$ 7.50	GGV*	220–250	110–125†	100	2½ x 1 11/16	3 5/32	2 15/16	3 7/8	5
T-23V22	11.00	GGV*	220–250	110–125†	150	2½ x 1 15/16	3 5/32	3 3/16	3 7/8	6¼
T-23V23	13.00	GGV*	220–250	110–125†	250	3 x 2 5/16	3 13/16	3 5/8	4 11/16	10¼
T-23V24	19.25	GGV*	220–250	110–125†	500	3 x 3 5/16	3 13/16	4 5/8	4 11/16	13

* Furnished with primary eord and secondary receptaele. † Output is proportional to voltage applied to input.

Type No.	List Price	Case Style	Seeondary No. 1 A.C. Volts	D.C. MA	Reet. Fil.	Fil. No. 2	Fil. No. 3	Mtg. Centers	Dimensions W	D	H	Wt. Lbs.
T-22R40	$15.00	GGV	1800	2	2.5V-1.8A	6.3V-.6A Tapped at 2.5V-2.1A		2½x2 1/16	3 5/32	3¾	3 13/16	4¾
	Use for experimental work, television replaeement, oscilloscopes up to 7″ tubes.											
TV-24R92	12.00	GGV	2400	10	2.5V-1.75A			2¾x2 11/16	3½	3⅞	4¼	5
	Replaeement—Half Wave—2 x 2 Reetifier—High Voltage Low Current Supplies.											
TV-24R98	15.00	AGF	350-0-350	200	5V-2A	5V-3A	6.3V-7A	6.3V-.9A	3x3¾	3¾	4½	4⅛	10¼

Power Supply 12″ and 15″ Reeeivers.

THORDARSON LITERATURE

TRANSFORMER MANUAL: A eomplete book eontaining literature on Radio receiver replaeement transformers, Sound amplifiers, amateur transmitters and current Thordarson catalogs. Bound in heavy blue and orange loose leaf cover permitting addition of future Thordarson releases. Manual No. 340—50 cents.

TRANSFORMER CATALOG: A complete listing of Thordarson transformers, chokes, voltage changers, and regulators for receiver replacement, amateur radio and sound amplifiers. Tables and curves give eomplete data on application and characteristics of output, modulation and other transformers and chokes. Catalog 400—Free.

TRU-FIDELITY TRANSFORMER CATALOG: Complete technical data on Thordarson broadcast units. Includes audio transformers, filters, line equalizers, filament transformers, filter reactors, plate transformers, and modulation reactors and transformers. Highest quality units that satisfy the requirements of discriminating engineers, broadcast stations and laboratories. Catalog 500—Free.

AMATEUR RADIO: Carefully prepared and edited to make learning of Radio, by all beginners, easy and interesting. Presents fundamental theory and instructions for making eode practice oscillators, receivers and transmitters. Has 160 pages and over 100 illustrations and drawings. Heavy book cover, finished in wear-resistant blue cloth and imprinted with gold lettering. Amateur net price—75 cents.

TRANSFORMER SPECIALISTS SINCE 1895 **THORDARSON**

HALLDORSON *Vacuum Sealed*

TRANSFORMERS

HIGH FIDELITY TRANSFORMERS

± ONE DB FROM 30 to 20,000 CYCLES

Item No.	Dealer Net	Application	Primary Imp.	Secondary Imp.	Mtg. Type
Y-1	$12.48	S.Plate to P.P. Gr.	8,000 to 15,000	60,000 C.T.	Y
Y-2	14.10	Low L. Output to Line	8,000 to 15,000 in Two Sections	50-125-200-250-333-500	Y
Y-3	14.10	Low Level Input	500-333-250-200-125-50	50,000 In Two Sections	Y
Y-4	11.70	Bridging Trans.	20,000	50,000	Y
Y-5	12.78	Repeat Coil	500/600	500/600	Y

HIGH FIDELITY OUTPUT TRANSFORMERS

± TWO DB FROM 20 TO 20,000 CYCLES

Item No.	Dealer Net	Pri. Imp.	Sec. Imp.	Max. Watts	Mtg. Type	Wt. Lbs.
Y-20	$13.20	8500	500	15	N2	3
Y-21	23.40	5400	4-8-15-125-250-500	35	N2	4¾
Y-22	35.40	3800	4-8-15-125-250-500	50	N2	6¼

DRIVERS (Class AB and B AUDIO)

Item No.	Dealer Net	Class	Ratio Pri. ½ Sec.	D.C. M.A.	Mtg. Type	Wt. Lbs.
E-1029	$3.54	AB2 AB1	5:1	80	E	2.7
B8-833	2.52	B	5:1	15	B8	1
A4-763	1.77	B	4:1	15	A4	10 oz.
B8-830	2.40	AB	3:1	30	B8	1
E-1045	3.30	AB	3:1	40	E	2½
E4-1025	3.42	AB	2.8:1	15	E4	2½
A4-762	1.38	B	2.5:1	15	A4	10 oz.
A4-764	1.56	AB	2:1	15	A4	10 oz.
S-302	4.38	A	2:1	90	S	3.7

AUDIO INTERSTAGE, CLASS A

Item No.	Dealer Net	Applic.	Impedance Pri.	Impedance Sec.	D.C. M.A.	Ratio	Mtg. Type	Wt. Lbs.
A4-751	$1.47	Single	10,000	90,000	10	3:1	A4	10 oz.
E-1047	3.90	Single	10,000	90,000	15	3:1	E	2½
B4-805	1.68	Single	10,000	66,500	10	2.5:1	B4	1½
B4-810	1.80	PP	10,000	160,000	10	4:1	B4	1
A4-761	1.56	PP	10,000	122,500	10	3.5:1	A4	10 oz.
B4-893	1.98	PP	10,000	90,000	10	3:1	B4	1
A4-760	1.56	PP	10,000	90,000	10	3:1	A4	10 oz.
A4-703	1.59	PP	10,000	40,000	10	2:1	A4	10 oz.
B4-811	2.25	PP to PP	20,000	45,000	10	1.5:1	B4	1
B4-818	2.34	PP to PP	10,000	90,000	10	3:1	B4	1
C4-918	2.76	PP to PP	10,000	90,000	10	3:1	C4	2

MICROPHONE, LINE AND MIXER, ETC.

Item No.	Dealer Net	Application	Impedance Pri.	Impedance Sec.	Mtg. Type	Wt. Lbs.
E-1040	$4.14	Mic. L. or Mix. to G.	*500 C.T., 250 *200 C.T., 50	50,000	E	2½
B5-812	1.92	Double B to Grid	200 C.T.	125,000	B5	1
B5-821	1.68	Single B. to Grid	100	125,000	B5	1½
B8-835	2.97	1-2-3-4- Cir. Mix.	200-400-600-800	125,000	B8	1½
E-1041	4.50	Line to Line or Line to V.C.	*500 C.T., 250 *200 C.T., 50	4-8-15-500	E	2½
E-1035	5.64	Line to Line	500-333-200-125-50	500-333-200-125-50	E	2¾
C7-965	3.24	Line to V.C.	500	15-8-4-2.6	C7	2½
C7-964	3.90	Tube to Line	14,000-12,000-10,000-8,000	-2-1.5-.7-500	C7	2½
E-1036	4.50	Line to Crystal hd.	500	75,000	E	2¾
A4-753	1.77	Transceiver	200-5000	60,000	A4	7 oz.
D4-607	1.44	Intercom.	3-6	35,000	D4	½
D4-610	1.26	Mic. to Grid.	200 C.T.	35,000	D4	½

*Inductive and Capacitative Balance to Center Tap.

OUTPUT TRANSFORMERS

Item No.	Dealer Net	Impedance Primary	Impedance Secondary	Pri. M.A.	Watts	Mtg. Type	Wt. Lbs.
D4-608	$1.29	1500	3-6-8	50	4	D4	8 oz.
D4-605	1.05	2000	3 to 6	50	4	D4	8 oz.
D4-605A	1.11	2000	3 to 6	50	4	D4	8 oz.
B4-856	1.65	2500	4-8-15	60	10	B4	1
B5-857	1.80	3000	4-8-15	80	10	B5	1
S-72A	5.94	3800	4-8-15-125-200-333-500	250	50	S	5¾
B4-850	1.62	4000	4-8-15	40	10	B4	1
S-71	5.28	4300	2-4-8-15-500	250	50	S	5½

(Continued in next column)

OUTPUT TRANSFORMERS—Continued

Item No.	Dealer Net	Impedance Primary	Impedance Secondary	Pri. M.A.	Watts	Mtg. Type	Wt. Lbs.
S-86	$3.96	4000	4-8-15-500	70	10	S	2½
D4-601	1.02	4500	3 to 6	35	5	D4	8 oz.
B4-870	1.68	5000	4-8-15	50	8	B4	1
B5-871	1.77	5000	4-8-15	80	15	B5	1
B4-778	1.80	5000	4-8-15	100	18	B4	1½
E-1042	5.04	6000	4-8-15-500	150	30	E	2½
K4-800	.81	6000	3 to 6	5	2	K4	6 oz.
S-81	5.34	6600	4-8-15-500	150	35	S	4¾
B4-851	1.62	7000	4-8-15	40	10	B4	1
D4-600	.93	7000	3 to 6	35	5	D4	8 oz.
A5-700	1.50	9000	2-4-8	80	8	A5	10 oz.
D4-609	1.05	9000	3 to 6	10	4	D4	10 oz.
B5-853	1.56	10000	4-8-15	80	12	B5	1
D4-602	.99	10000	3 to 6	30	5	D4	8 oz.
B5-854	1.86	14000	4-8-15	30	15	B5	1
D4-606	.99	16000	3 to 6	10	4	D4	8 oz.
B5-855	1.86	20000	4-8-15	25	15	B5	1
A4-775	1.32	25000	3 to 6	10	5	A4	10 oz.
A4-776	1.68	50000	3 to 6	20	8	A4	10 oz.

UNIVERSAL OUTPUTS

Item No.	Dealer Net	Application	Pri. M.A.	Watts	Mtg. Type	Wt. Lbs.
A5-772	$1.56	S. and P.P. Pls. (4, 7, 10, 14, 20 M) to V.C. 3 to 6	50	8	A5	10 oz.
E-603	4.11	P.P. Pls. (8, 10, 12, 14 M) to 4-8-15-500	50	10	E	2¼
D4-604	1.35	Single or P.P. Pls. (2500 to 14000 ohms) to V.C.	30	4	D4	8 oz.
B4-816	2.31	Single or P.P. Pls. (2500 to 14000 ohms) to V.C.	60	12	B4	1
B5-816-A	1.92	Single or P.P. Pls. (2500 to 14000 ohms) to V.C.	50	10	B5	1
B6-816-A	1.92	Single or P.P. Pls. (2500 to 14000 ohms) to V.C.	50	10	B6	1
A5-773	1.65	Single or P.P. Pls. (8000 to 20000) to V.C.	10	5	A5	10 oz.
E5-1057	2.91	Single or P.P. Pls. (4000 to 13500) to V.C.	60	20	E5	3

SPEAKER MATCHING

T-4307	$2.25	500-1000-1500-2000 3.2 & 8	100	18	B5	1.2
B5-848	2.10	500-1000-1500-2000 8 ohms	80	12	B5	1
B5-849	2.22	2500-4000-6000-8000 8 ohms	80	12	B5	1
T-4274	1.38	500-1000-1500-2000 8 ohms	60	5	A5	10 oz.

PLATE SUPPLY TRANSFORMERS

Item No.	Dealer Net	Secondary A.C. Plate Voltage	D.C. M.A.	Pri. Volts	Mtg. Type	Wt. Lbs.
S-200	$ 6.90	600-500-O-500-600	250	117	S	9½
G-203	15.60	900-750-O-750-900	200	117	G	
G-204	19.80	1000-750-O-750-1000	300	117	G	
H-206	51.60	1500-1250-O-1250-1500	500	117	H	45

ADJUSTABLE IMPEDANCE MODULATION TRANS.

Item No.	Dealer Net	Adjustable Impedance	Pri. D.C. Per Side	Sec. D.C. Per Side	Watts	Mtg. Style	Wt. Lbs.
G-102	$ 6.60	Chart Supplied	.060	.060	15	G	3½
G-120	6.90	Chart Supplied	.080	.080	30	G	5
G-140	11.05	Chart Supplied	.200	.200	125	G	12
G-209	23.40	Chart Supplied	.225	.225	160	G	20

FILAMENT TRANSFORMERS

Item No.	Dealer Net	Pri. V.	Sec. V.	Sec. A.	Mtg. Type	Wt. Lbs.
A4-701	$ 1.77	117	2.5 C.T.	2.5	A4	10 oz.
C4-901	2.82	117	2.5 C.T.	5	C4	1½
B5-861	1.92	117	2.5 C.T.	6	B5	1
S-230	3.36	105-115-125	2.5 C.T.	10	S	9
E-1053	3.30	117	5.0 C.T.	3	E	2½
B5-859	2.10	117	5.0 C.T.	3	B5	1
U5-900	3.12	107-117	5.0 C.T.	6	U5	2¾
N-238*	11.10	107-117	5.0 C.T.	14	N	11
N-231*	11.76	107-117	5.0 C.T.	22	N	13
A4-702	1.56	117	6.3 C.T.	1.5	A4	10 oz.
B5-860	1.95	117	6.3 C.T.	3	B5	1
U5-1153	3.42	107-117	6.3 C.T.	6	U5	2½
N-239*	10.20	117	6.3 C.T.	10	N	12
U5-1300	7.44	117	6.3 C.T.	20	U5	7½
B5-862	1.86	117	7.5 C.T.	2.5	B5	1
N-232*	11.10	105-115-125	10.0 C.T.	7	N	10
U5-1306	4.68	117	10.0 C.T.	8	U5	5

(Continued in next column)

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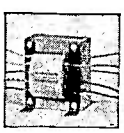
U5



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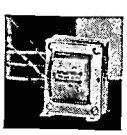
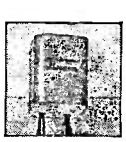


M

L and L2

N3



HALLDORSON *Vacuum Sealed*

TRANSFORMERS

FILAMENT TRANSFORMERS—Continued

Item No.	Dealer Net	Pri. V.	Sec. V.	Sec. A.	Mtg. Type	Wt. Lbs.
N-233*	$11.76	107-117	11.0 C.T.	10	N	9½
U5-1055	3.30	117	12.6 C.T.	3	U5	3½
S-25	4.74	117	5.0 C.T.	3	S	3½
			6.3 C.T.	6		
S-28	6.30	107-117	5.0 C.T.	6	S	4¼
			6.3 C.T.	6		
S-26	4.50	117	5.0 C.T.	3	S	3.0
			7.5 C.T.	3.25		
S-27	4.62	117	2.5 C.T.	12	S	3.0
			2.5 C.T.	3		
			5.0 C.T.	3		

*7500 Volt Insulation Test.

CHOKES

Item No.	Dealer Net	D.C. Res.	Henries	M.A. D.C.	Mtg. Type	Wt. Lbs.
A4-838	$1.38	5000	300	5	A4	1
T-1225	1.56	3000	60	16	B8	1⅛
T-341	1.02	400	12	30	D4	6 oz.
T-343	.87	200	5.5	35	D4	6 oz.
T-1001	1.02	400	12	40	A4	10 oz.
B4-837	1.29	400	15	40	B4	1
T-336	1.08	500	10	50	A4	10 oz.
T-1002	1.05	300	8	50	A4	10 oz.
T-334	1.02	250	5	50	A4	10 oz.
C4-968	1.89	1400	50	60	C4	1½
B4-839	1.29	275	10	60	B4	1
C4-967	1.74	350	20	80	C4	1½
C4-966	1.92	250	8	85	C4	1½
B4-842	1.47	300	5	100	B4	1
E-1030	2.28	250	23	110	E	2½
E-1034	3.12	100	8	130	E	2½
S-246	3.06	100	4	175	S	3½
E-1033	3.78	125	8	200	E	3¾
S-240	4.68	150	15	200	S	5½
S-243	4.50	70	4	250	S	5
S-244	6.30	75	7	300	S	8½
S-242	8.28	150	15	350	S	11
S-241	9.48	60	8	400	S	13
S-252	3.30	130	5-10	150	S	3
S-251	4.38	65	5-8	250	S	3½
C4-216	1.74	200	2	60	C4	1½
S-450	3.60	11,000	500	10	S	2½
S-451	5.76	1,000	30	150	S	8

TELEVISION TRANSFORMERS

Item No.	Dealer Net	Plate A.C. Load V.	D.C. M.A.	Filament Volt	Filament Amp.	Filament Volt	Filament Amp.	Mtg. Type	Wt. Lbs.
S-213	$ 6.30	1700	2	2.5	1.75			S	4¼
S-214	7.98	2000	2	2.5	1.75	6.3	.9	S	4¼
S-215	8.70	2500	5	2.5	1.75	2.5	2	S	4½
L-211	12.90	365-O-365	250	5	2	5	3	L2	13½
						6.3	.8		
L-212	15.60	365-O-365	295	5	2	6.3	.6	L2	17
						5	6		
						12.6	5 C.T.		
J-96	3.90	Vertical Output Trans.						J	2¾
D4-611	1.68	Hor. Block. Oscillator Trans.						D4	½
D4-612	1.50	Vert. Block. Oscillator Trans.						D4	½

Television Chokes—No. C4-216, S-450, S-451 listed under Chokes.

POWER TRANSFORMERS

Item No.	Dealer Net	Plate A.C. Load Volts	D.C. M.A.	Rect. Fil. Volt	Rect. Fil. Amp.	Amp. Fil. Volt	Amp. Fil. Amp.	Mtg. Type	Wt. Lbs.
L-48	$3.39	325-O-325	40	5	3	2.5	1.75	L	2½
						2.5	3.5		
L-476X	3.78	250-O-250	40	5	2	6.3	1.6 C.T.	L	2½
M-44	3.78	225-O-225	40	5	2	6.3	1 C.T.	M	2½
S-49	3.45	325-O-325	40	5	2	2.5	5.2 C.T.	S	2½
L-85	3.96	280-O-280	50	5	3	6.3	1.5	L	3½
						6.3	.6		
L-60	5.10	325-O-325	50	5	3	2.5	1.75 C.T.	L	5
						2.5	5.25		
S-66	3.96	325-O-325	50	5	3	6.3	2 C.T.	S	3¾
S-660	4.32	325-O-325	50	5	3	2.5	1.75 C.T.	S	3½
						6.3	1.9 C.T.		
						2.5	5.25 C.T.		
L-45A	4.74	300-O-300	60	6.3	.6	6.3	2.8 C.T.	L	3½
L-46	4.92	300-O-300	60	5	3	2.5	7.5 C.T.	L	4½
						6.3	2.5 C.T.		
M-21	3.96	250-O-250	60	5	2	6.3	2 C.T.	M	2½
P-2067	3.57	240-O-240	60			6.3	2.75 C.T.	P	2.5
S-61	4.80	350-O-350	60	5	3	2.5	7.0 C.T.	S	5

(Continued in next column)

POWER TRANSFORMERS—Continued

Item No.	Dealer Net	Plate A.C. Load Volts	D.C. M.A.	Rect. Fil. Volt	Rect. Fil. Amp.	Amp. Fil. Volt	Amp. Fil. Amp.	Mtg. Type	Wt. Lbs.
L-20	$4.38	350-O-350	70	5	3	6.3	2.5 C.T.	L	4½
S-51	4.86	350-O-350	70	5	3	2.5	10 C.T.	S	5
L-82	5.40	265-O-265	70	5	3	5	.5 C.T.	L	5
						2.5	11 C.T.		
S-67	4.62	350-O-350	70	5	3	6.3	3 C.T.	S	5
S-67A	4.92	275-O-275	70	5	3	6.3	3 C.T.	S	5
S-57	5.10	300-O-300	80	5	3	5	1½ C.T.	S	5
						2.5	10.5 C.T.		
S-56	6.00	350-O-350	90	5	3	2.5	3.5 C.T.	S	7¼
						2.5	8.75 C.T.		
S-87	5.70	350-O-350	90	5	3	6.3	3.5 C.T.	S	5¼
S-58	6.00	350-O-350	100	5	3	6.3	5 C.T.	S	7½
S-76	6.90	350-O-350	100	5	3	2.5	2.0 C.T.	S	6
						2.5	3.0 C.T.		
						1.5	5		
S-53	6.72	350-O-350	110	5	3	1.5	1		
L-83	6.96	350-O-350	120	5	3	2.5	12.5 C.T.	S	9
						2.5	4 C.T.	L	7¼
S-59	7.08	400-O-400	120	5	3	2.5	9.5		
						2.5	3.5 C.T.	S	9
S-40	5.04	290-O-290	125	5	3	2.5	14.5 C.T.		
L-74	6.24	372-O-372	145	5	3	6.3	4.5 C.T.	S	5
S-74	7.14	372-O-372	145	5	3	6.3	5 C.T.	L	9
L-31	6.96	375-O-375	150	5	3	6.3	5 C.T.	S	9
							50-24-18V—25W	L	7
S-75	6.96	375-O-375	180	5	3	2.5	6 C.T.	S	8
						6.3	3.5 C.T.		
S-77	8.22	400-O-400	200	5	4	6.3	5.5 C.T.	S	9

SPECIAL APPLICATION—HIGH VOLTAGE PLATE AND FIL. SUPPLY TRANSFORMERS

SCALERS, COUNTERS, INDICATORS

Item No.	Dealer Net	Plate A.C. Load Volts	D.C. M.A.	Rect. Fil. Volt	Rect. Fil. Amp.	Amp. Fil. Volt	Amp. Fil. Amp.	Mtg. Type
P-1850	$8.70	320-O-320	150	5	3	6.3	3	S
						6.3	1	
						6.3	8	
P-1930A	8.70	1600	2	2.0	1.75	6.3	.3	S
				1.25		6.3	.3	
P-1931A	9.48	2700	2	2.0	1.75	6.3	.3	S
				1.25		6.3	.3	

The above units are designed for 117 Volts 50-60 Cycle; for 25 Cycle and 220 Volt 50-60 Cycle, prices furnished on request.

6 VOLT-VIBRATOR TRANSFORMERS

Item No.	Dealer Net	Sec. D.C. V. to Filter	Sec. M.A.	Mtg. Type	Wt. Lbs.
J-95	$2.55	150	40	C5	1¼
J-90	2.94	225	40	C5	1½
J-91	3.30	250	50	J	2¼
N-91	4.44	250	50	N3	3
J-92	3.42	250	60	J	2
J-93	3.54	250	70	J	2½
J-94	3.90	285	75	J	2¾

6 VOLT D. C. OR 115 VOLT A. C. VIBRATOR TRANS.

S-500	$7.56	350 Fil. 6.3 V. C.T.	135 4.75 Amp.	S	10

ISOLATION TRANSFORMERS

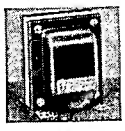
Item No.	Dealer Net	Pri. V	Sec. V	Watts	Mtg. Type	Wt. Lbs.
P-2042	$ 5.10	115	115	50	S2	6
P-1596	8.94	115	115	100	S2	7½
P-1596B	9.90	115	115	150	S2	8.5
P-1596A	19.20	115	115	250	S2	13½

STEP-DOWN AUTO TRANSFORMERS

P-1964	$ 4.50	220	110	65	S2	2½
P-612	5.76	220	110	100	S2	3½
P-610	6.42	220	110	160	S2	5
P-613	7.68	220	110	250	S2	7½
P-614	11.34	220	110	500	S2	12

G

S



A5, Etc. Vert.
A4, Etc. Hor.

N2

S2

A7, Etc. Vert.
A8, Etc. Hor.

United Transformer Co. PRICE LIST

Type No.	List Price
A-10	$15.00
A-11	16.00
A-12	15.00
A-14	14.00
A-16	13.00
A-18	14.00
A-19	18.00
A-20	15.00
A-21	16.00
A-24	15.00
A-25	14.00
A-26	15.00
A-27	15.00
A-30	10.00
A-31	5.00
CG-1C	60.00
CG-1S	60.00
CG-2L6	19.00
CG-4L6	29.00
CG-15	11.00
CG-16	11.00
CG-19	11.00
CG-34	11.50
CG-40	8.50
CG-41	8.50
CG-44	8.50
CG-45	8.50
CG-48C	8.50
CG-50	16.00
CG-51AX	10.50
CG-53AX	12.50
CG-59AX	12.50
CG-100	9.00
CG-101	9.00
CG-102	14.00
CG-103	14.00
CG-104	21.00
CG-105	21.00
CG-108	37.00
CG-109	37.00
CG-120	15.00
CG-121	21.00
CG-122	18.00
CG-124	18.00
CG-125	21.00
CG-126	33.00
CG-131	9.50
CG-132	10.00
CG-133	12.50
CG-134	12.50
CG-135	13.50
CG-136	13.50
CG-137	10.00
CG-140	12.00
CG-141	13.50
CG-233	11.00
CG-235	17.50
CG-238AX	32.00
CG-300	18.00
CG-301	25.00
CG-302	30.00
CG-303	45.00
CG-304	120.00
CG-305	68.00
CG-306	120.00
CG-307	105.00
CG-308	144.00
CG-309	250.00
CG-310	185.00
CG-311	68.00
CG-312	67.00
CG-315	15.00
CG-316	25.00
CG-333	11.00
CG-422	19.00
CG-428	25.00
CG-429	27.50
CG-431	40.00
CG-433	12.00
CG-512	30.00
CG-710	11.00
CGE-1	25.00
CVA-1	10.00
CVA-2	13.00
CVA-3	17.50
CVA-4	26.00
CVA-5	$36.00
CVL-1	8.00
CVL-2	11.50
CVL-3	17.50
CVL-10	8.00
CVL-11	11.50
CVL-12	17.50
CVM-0	8.50
CVM-1	14.00
CVM-2	20.50
CVM-3	30.00
CVM-4	50.00
CVM-5	115.00
CVP-1	9.00
CVP-2	14.00
CVP-3	20.00
CVP-4	29.00
CVP-5	50.00
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FT-3	3.00
FT-4	3.25
FT-5	3.25
FT-6	3.25
FT-7	3.25
FT-8	6.00
HA-100	19.00
HA-100X	24.00
HA-101	22.00
HA-101X	27.00
HA-103A	22.00
HA-104	20.00
HA-105	14.00
HA-106	16.00
HA-107	24.00
HA-108	19.00
HA-108X	24.00
HA-111	19.00
HA-113	18.00
HA-114	19.00
HA-130X	27.00
HA-133	18.00
HA-134	20.00
HA-135	19.00
HA-137	22.00
HC-115	13.00
HC-116	20.00
HC-117	12.00
HP-122	13.00
HP-123	20.00

Type No.	Net Price
HQA-1	$7.00
HQA-2	7.00
HQA-3	7.50
HQA-4	7.50
HQA-5	8.00
HQA-6	8.00
HQA-7	9.00
HQA-8	9.00
HQA-9	10.00
HQA-10	10.00
HQA-11	10.00
HQA-12	11.00
HQA-13	11.00
HQA-14	13.00
HQA-15	14.00
HQA-16	15.00
HQA-17	16.00
HQA-18	17.00
HQB-1	16.00
HQB-2	16.00
HQB-3	16.00
HQB-4	17.00
HQB-5	17.00
HQB-6	18.00
HQB-7	19.00
HQB-8	20.00
HQB-9	21.00
HQB-10	22.00
HQB-11	23.00
HQB-12	24.00

Type No.	Net Price
HQC-1	$13.00
HQC-2	13.00
HQC-3	13.00
HQC-4	13.00
HQC-5	13.00
HQD-1	15.00
HQD-2	15.00
HQD-3	15.00
HQD-4	15.00
HQD-5	15.00

Type No.	List Price
LS6L1	$42.00
LS6L3	28.00
LS6L4	50.00
LS-5	42.00
LS-6	31.00
LS-7	31.00
LS-8	40.00
LS-10	25.00
LS-10X	32.00
LS-12	28.00
LS-12X	35.00
LS-14	28.00
LS-14X	35.00
LS-15	28.00
LS-15X	35.00
LS-18	31.00
LS-19	24.00
LS-20	21.00
LS-21	24.00
LS-22	31.00
LS-25	28.00
LS-26	25.00
LS-27	24.00
LS-30	25.00
LS-30X	32.00
LS-31	28.00
LS-31X	35.00
LS-32	28.00
LS-33	28.00
LS-34	42.00
LS-38	32.00
LS-39	25.00
LS-40	24.00
LS-47	35.00
LS-48	50.00
LS-49	42.00
LS-50	24.00
LS-51	24.00
LS-52	28.00
LS-54	20.00
LS-55	28.00
LS-56	28.00
LS-57	20.00
LS-58	50.00
LS-60A	35.00
LS-61	28.00
LS-62A	35.00
LS-63	20.00
LS-66	100.00
LS-67	100.00
LS-70	34.00
LS-72	40.00
LS-73	54.00
LS-80	23.00
LS-82	30.00
LS-83	60.00
LS-84	23.00
LS-88	11.00
LS-89A	87.00
LS-90	14.00
LS-91	14.00
LS-92	23.00
LS-93	40.00
LS-94	14.00
LS-96	67.00
LS-98	40.00
LS-99	100.00
LS-102	70.00
LS-103	98.00
LS-104A	500.00
LS-105	100.00
LS-106	250.00
LS-120	43.00
LS-121Y	54.00
LS-140	35.00

Type No.	List Price
LS-141	$28.00
LS-142	35.00
LS-143	28.00
LS-150	25.00
LS-151	25.00
LS-180	17.00
LS-180H	21.00
LS-181	67.00
LS-182	87.00
LS-183	110.00
LS-184	170.00
LS-185	400.00
LS-190	27.00
LS-691	350.00
LS-692	700.00
LS-693	1500.00
LS-950	14.00
LS-980	40.00
MA-1	14.00
MC-1	13.00
MC-2	17.00
O-1	13.25
O-2	13.25
O-3	12.00
O-4	10.50
O-5	10.50
O-6	12.00
O-7	12.00
O-8	13.25
O-9	13.25
O-10	13.25
O-11	13.25
O-12	12.00
O-13	9.50
O-14	13.25
O-15	13.25
P-1	14.50
P-2	14.50
P-3	13.25
P-4	12.00
P-5	12.00
P-6	13.25
P-7	13.25
P-8	14.50
P-9	14.50
P-10	14.50
P-11	14.50
P-12	13.25
P-13	10.50
P-14	14.50
P-15	14.50
PF-1	10.00
PF-2	10.00
PF-3	4.50
R-1	6.10
R-2	7.40
R-3	9.00
R-4	10.70
R-5	13.00
R-6	6.10
R-7	7.80
R-8	9.50
R-9	11.00
R-10	14.00
R-11	9.50
R-12	10.80
R-13	15.50
R-14	2.10
R-15	2.10
R-16	2.10
R-17	2.80
R-18	2.80
R-19	3.90
R-20	4.30
R-21	4.30
R-22	3.90
R-23	4.10
R-24	4.30
R-25	4.50
R-26	4.50
R-27	4.10
R-28	5.80
R-29	4.30
R-30	11.00
R-31	3.50

Type No.	List Price
R-32	$5.00
R-33	2.90
R-34	3.00
R-35	3.70
R-36	3.70
R-37	3.90
R-38A	3.00
R-39	3.80
R-40	5.50
R-41	7.50
R-42	8.50
R-43	9.50
R-44	12.50
R-45	20.00
R-46	35.00
R-47	10.00
R-48	13.50
R-53	3.70
R-54	6.60
R-55	1.75
R-56	3.70
R-57	5.80
R-58	3.00
R-59	3.50
R-60	3.70
R-64	70.00
R-72	8.50
R-73	13.00
R-74	24.00
R-75	35.00
R-76	55.00
R-77	95.00
R-78	18.00
R-79	22.00
R-80	30.00
R-81	60.00
R-83	18.00
R-84	22.00
R-85	30.00
R-86	60.00
R-90	3.00
R-91	7.00
R-92	7.00
R-93	14.00
R-94	20.00
R-95	15.00
SO-1	5.60
SO-2	5.60
SO-3	5.60
SO-4	5.60
SO-5	5.10

Type No.	Net Price
S-1	$3.30
S-2	3.80
S-3	3.10
S-4	5.20
S-5	4.25
S-6	3.10
S-7	5.00
S-8	4.00
S-9	5.20
S-10	4.70
S-11	4.25
S-12	4.70
S-13	6.20
S-14	4.50
S-15	4.70
S-16	6.20
S-17	7.50
S-18	5.00
S-19	7.50
S-20	11.00
S-21	15.50
S-22	24.00
S-23	3.40
S-24	3.70
S-25	3.10
S-26	3.10
S-27	3.80
S-28	3.80
S-29	3.80
S-30	3.80
S-31	5.00
S-32	5.00
S-33	7.00
S-34	7.00
S-35	10.50
S-36	10.50

Type No.	Net Price
S-37	$14.00
S-38	14.00
S-39	10.50
S-40	10.50
S-41	9.50
S-42	12.50
S-43	17.50
S-44	15.50
S-45	12.00
S-46	15.00
S-47	19.00
S-48	28.00
S-49	26.50
S-50	37.00
S-51	9.00
S-52	12.00
S-53	3.20
S-54	3.20
S-55	3.20
S-56	3.20
S-57	4.50
S-58	5.50
S-59	4.50
S-60	10.00
S-61	4.50
S-62	5.50
S-63	10.00
S-64	5.50
S-65	5.50
S-66	5.50
S-67	5.50
S-68	6.00
S-69	6.00
S-70	6.00
S-71	10.00
S-72	6.30
S-74	16.50
V-0	11.50
V-0-B	15.00
V-1	17.50
V-1-M	29.00
V-2	15.00
V-2-B	18.00
V-3	22.00
V-3-B	29.00
V-4	32.00
V-4-B	40.00

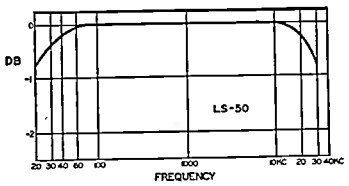
Type No.	List Price
VI-C1	$11.00
VI-C2	11.00
VI-C3	11.00
VI-C4	11.00
VI-C5	11.00
VI-C6	11.00
VI-C7	14.00
VI-C8	14.00
VI-C9	14.00
VI-C10	14.00
VI-C11	14.00
VI-C12	14.00
VI-C13	14.00
VI-C14	14.00
VI-C15	16.50
VI-C16	16.50
VI-C17	16.50
VI-C18	16.50
VI-C19	16.50
VI-C20	16.50
VI-C21	17.50
VI-C22	18.50

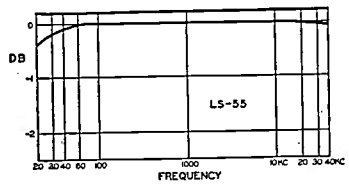
FILTERS AND EQUALIZERS

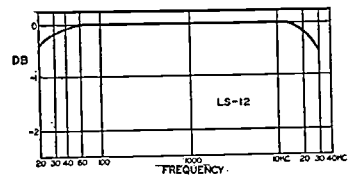
Type No.	Net Price
3A	$125.00
3AX	205.00
4C	185.00
5A	185.00
BPI	35.00
BPL	35.00
HPI	35.00
HPL	35.00
LPI	35.00
LPL	35.00

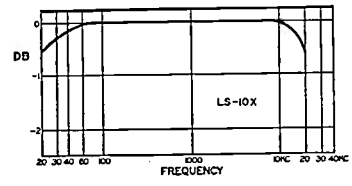
Prices shown are as of May 1949 and are subject to change without notice.

LINEAR STANDARD AUDIO TRANSFORMERS









The ever increasing use of wide range equipment for broadcast service has reached the point where the major limiting factor is the frequency range of the transformers employed. UTC Linear Standard components represent the closest approach to the ideal transformer from the standpoint of uniform frequency response, low wave form distortion, high efficiency, thorough shielding, and dependability.

LINEAR STANDARD AUDIO UNITS FEATURE:

UNIFORM FREQUENCY RESPONSE . . . at low frequencies, is effected through the use of HIPERM-ALLOY, a STABLE nickel iron alloy of very high initial permeability. Uniform high frequency response is the result of multiple section interleaved windings arranged in a semi-toroidal coil structure. This, plus special winding methods and insulations, assures a minimum of distributed capacity and leakage reactance.

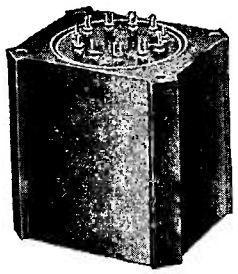
UTC LINEAR STANDARD transformers are the ONLY audio units with a **GUARANTEED** uniform response . . . ± 1. DB from 20 to 20,000 cycles.

MINIMUM HUM PICKUP . . . is accomplished through the use of a hum balanced, semi-toroidal, coil structure which affords maximum neutralization of external fields. In addition, all low level units employ an internal high permeability alloy case as well as the high conductivity outer case for maximum shielding. For very low level applications, units whose code numbers end in X employ quadruple alloy shielding, making possible a transformer with the lowest inductive pickup commercially available.

NEGLIGIBLE WAVE FORM DISTORTION . . . is a function of proper impedance matching, minimum phase shift, and low flux density. These elements have been given great attention in the design of Linear Standard units. It is interesting to note that an output transformer reasonably flat from 20 to 20,000 cycles may show serious distortion at 30 and 10,000 cycles. For this reason, UTC high level units have a frequency range better than guaranteed value in some instances up to 50,000 cycles.

MULTIPLE TAP WINDINGS . . . make possible a wide combination of impedance terminations without impairing fidelity or efficiency. Precision winding methods result in winding accuracy of .1% . . . perfect balance of inductance and capacity . . . exact impedance reflection. For all practical uses, 500 ohm termination may be used for 600 ohm requirements. For maximum efficiency and balance, 250 ohm lines are recommended to be connected to 200 ohm terminations.

DEPENDABILITY . . . is a function of external and internal structure. Linear Standard units are housed in rugged die cast cases of precise dimension with reversible mounting to permit above chassis or subchassis wiring. The solid terminal posts on low absorption bakelite are arranged in a circular layout so that a round chassis hole will clear all terminals. Coils are vacuum baked and impregnated. Semi-hermetic sealing is accomplished through the use of a high adhesion compound poured through the large opening opposite the terminal board after controlled preheating of the unit for full compound penetration.



LS-1 CASE

Length	3⅛"
Width	2⅝"
Height	3¼"
Mounting	1 15/16" x 2 7/16"
Screws	6-32
Cutout	1⅞" dia.
Unit Weight	3 lbs.

LOW IMPEDANCE TO GRID TRANSFORMERS

Type No.	Application	Primary Impedance	Secondary Impedance	± 1 db from	Max. Level	Relative* hum-pickup reduction	Max. Unbalanced DC in prim'y	Case No.
LS-10	Low impedance mike, pickup, or multiple line to grid	50, 125/150, 200, 250, 333, 500/600 ohms	60,000 ohms in two sections	20-20,000	+15 DB	—74 DB	5 MA	LS-1
LS-10X	As above.	As above	50,000 ohms	20-20,000	+14 DB	—92 DB-Q	5 MA	LS-1
LS-12	Low impedance mike, pickup, or multiple line to push pull grids	50, 125/150, 200, 250, 333, 500/600 ohms	120,000 ohms overall, in two sections	20-20,000	+15 DB	—74 DB	5 MA	LS-1
LS-12X	As above	As above	80,000 ohms overall, in two sections	20-20,000	+14 DB	—92 DB-Q	5 MA	LS-1
LS-14	Low impedance mike, pickup or parallel mixer to grid	2.5, 5.5, 10, 15, 22, 30, 38, 60 ohms	60,000 ohms in two sections	20-20,000	+15 DB	—74 DB	5 MA	LS-1
LS-14X	As above	As above	50,000 ohms	20-20,000	+14 DB	—92 DB-Q	5 MA	LS-1
LS-15	Three isolated lines or pads to one or two grids	30, 50, 200, 250 ohms each primary	60,000 ohms overall, in two sections	20-20,000	+15 DB	—74 DB	5 MA	LS-1
LS-15X	As above	As above	As above	20-20,000	+14 DB	—92 DB-Q	5 MA	LS-1
LS-18	High level multiple line to push pull grids	50, 125/150, 200, 250, 333, 500/600 ohms	50,000 ohms overall, in two sections	20-20,000	+30 DB	—50 DB	5 MA	LS-2
LS-26	Bridging line to single or push pull grids	5,000 ohms	60,000 ohms in two sections	15-20,000	+20 DB	—74 DB	0	LS-1

The values of unbalanced DC shown will effect approximately 1.5 DB loss at 30 cycles.
* Comparison of hum balanced unit with magnetic shielding to normal uncased type.
Q Quadruple alloy magnetic shield.

(Refer to Page N-37 for UTC Prices)

United Transformer Co. PRICE LIST

Type No.	List Price
A-10	$15.00
A-11	16.00
A-12	15.00
A-14	14.00
A-16	13.00
A-18	14.00
A-19	18.00
A-20	15.00
A-21	16.00
A-24	15.00
A-25	14.00
A-26	15.00
A-27	15.00
A-30	10.00
A-31	5.00
CG-1C	60.00
CG-1S	60.00
CG-2L6	19.00
CG-4L6	29.00
CG-15	11.00
CG-16	11.00
CG-19	11.00
CG-34	11.50
CG-40	8.50
CG-41	8.50
CG-44	8.50
CG-45	8.50
CG-48C	8.50
CG-50	16.00
CG-51AX	10.50
CG-53AX	12.50
CG-59AX	12.50
CG-100	9.00
CG-101	9.00
CG-102	14.00
CG-103	14.00
CG-104	21.00
CG-105	21.00
CG-108	37.00
CG-109	37.00
CG-120	15.00
CG-121	21.00
CG-122	18.00
CG-124	18.00
CG-125	21.00
CG-126	33.00
CG-131	9.50
CG-132	10.00
CG-133	12.50
CG-134	12.50
CG-135	13.50
CG-136	13.50
CG-137	10.00
CG-140	12.00
CG-141	13.50
CG-233	11.00
CG-235	17.50
CG-238AX	32.00
CG-300	18.00
CG-301	25.00
CG-302	30.00
CG-303	45.00
CG-304	120.00
CG-305	68.00
CG-306	120.00
CG-307	105.00
CG-308	144.00
CG-309	250.00
CG-310	185.00
CG-311	68.00
CG-312	67.00
CG-315	15.00
CG-316	25.00
CG-333	11.00
CG-422	19.00
CG-428	25.00
CG-429	27.50
CG-431	40.00
CG-433	12.00
CG-512	30.00
CG-710	11.00
CGE-1	25.00
CVA-1	10.00
CVA-2	13.00
CVA-3	17.50
CVA-4	26.00
CVA-5	$36.00
CVL-1	8.00
CVL-2	11.50
CVL-3	17.50
CVL-10	8.00
CVL-11	11.50
CVL-12	17.50
CVM-0	8.50
CVM-1	14.00
CVM-2	20.50
CVM-3	30.00
CVM-4	50.00
CVM-5	115.00
CVP-1	9.00
CVP-2	14.00
CVP-3	20.00
CVP-4	29.00
CVP-5	50.00
FT-1	2.70
FT-2	2.70
FT-3	3.00
FT-4	3.25
FT-5	3.25
FT-6	3.25
FT-7	3.25
FT-8	6.00
HA-100	19.00
HA-100X	24.00
HA-101	22.00
HA-101X	27.00
HA-103A	22.00
HA-104	20.00
HA-105	14.00
HA-106	16.00
HA-107	24.00
HA-108	19.00
HA-108X	24.00
HA-111	19.00
HA-113	18.00
HA-114	19.00
HA-130X	27.00
HA-133	18.00
HA-134	20.00
HA-135	19.00
HA-137	22.00
HC-115	13.00
HC-116	20.00
HC-117	12.00
HP-122	13.00
HP-123	20.00

Type No.	Net Price
HQA-1	$7.00
HQA-2	7.00
HQA-3	7.50
HQA-4	7.50
HQA-5	8.00
HQA-6	8.00
HQA-7	9.00
HQA-8	9.00
HQA-9	10.00
HQA-10	10.00
HQA-11	10.00
HQA-12	11.00
HQA-13	11.00
HQA-14	13.00
HQA-15	14.00
HQA-16	15.00
HQA-17	16.00
HQA-18	17.00
HQB-1	16.00
HQB-2	16.00
HQB-3	16.00
HQB-4	17.00
HQB-5	17.00
HQB-6	18.00
HQB-7	19.00
HQB-8	20.00
HQB-9	21.00
HQB-10	22.00
HQB-11	23.00
HQB-12	24.00

Type No.	Net Price
HQC-1	$13.00
HQC-2	13.00
HQC-3	13.00
HQC-4	13.00
HQC-5	13.00
HQD-1	15.00
HQD-2	15.00
HQD-3	15.00
HQD-4	15.00
HQD-5	15.00

Type No.	List Price
LS6L1	$42.00
LS6L3	28.00
LS6L4	50.00
LS-5	42.00
LS-6	31.00
LS-7	31.00
LS-8	40.00
LS-10	25.00
LS-10X	32.00
LS-12	28.00
LS-12X	35.00
LS-14	28.00
LS-14X	35.00
LS-15	28.00
LS-15X	35.00
LS-18	31.00
LS-19	24.00
LS-20	21.00
LS-21	24.00
LS-22	31.00
LS-25	28.00
LS-26	25.00
LS-27	24.00
LS-30	25.00
LS-30X	32.00
LS-31	28.00
LS-31X	35.00
LS-32	28.00
LS-33	28.00
LS-34	42.00
LS-38	32.00
LS-39	25.00
LS-40	24.00
LS-47	35.00
LS-48	50.00
LS-49	42.00
LS-50	24.00
LS-51	24.00
LS-52	28.00
LS-54	20.00
LS-55	28.00
LS-56	28.00
LS-57	20.00
LS-58	50.00
LS-60A	35.00
LS-61	28.00
LS-62A	35.00
LS-63	20.00
LS-66	100.00
LS-67	100.00
LS-70	34.00
LS-72	40.00
LS-73	54.00
LS-80	23.00
LS-82	30.00
LS-83	60.00
LS-84	23.00
LS-88	11.00
LS-89A	87.00
LS-90	14.00
LS-91	14.00
LS-92	23.00
LS-93	40.00
LS-94	14.00
LS-96	67.00
LS-98	40.00
LS-99	100.00
LS-102	70.00
LS-103	98.00
LS-104A	500.00
LS-105	100.00
LS-106	250.00
LS-120	43.00
LS-121Y	54.00
LS-140	35.00

Type No.	List Price
LS-141	$28.00
LS-142	35.00
LS-143	28.00
LS-150	25.00
LS-151	25.00
LS-180	17.00
LS-180H	21.00
LS-181	67.00
LS-182	87.00
LS-183	110.00
LS-184	170.00
LS-185	400.00
LS-190	27.00
LS-691	350.00
LS-692	700.00
LS-693	1500.00
LS-950	14.00
LS-980	40.00
MA-1	14.00
MC-1	13.00
MC-2	17.00
O-1	13.25
O-2	13.25
O-3	12.00
O-4	10.50
O-5	10.50
O-6	12.00
O-7	12.00
O-8	13.25
O-9	13.25
O-10	13.25
O-11	13.25
O-12	12.00
O-13	9.50
O-14	13.25
O-15	13.25
P-1	14.50
P-2	14.50
P-3	13.25
P-4	12.00
P-5	12.00
P-6	13.25
P-7	13.25
P-8	14.50
P-9	14.50
P-10	14.50
P-11	14.50
P-12	13.25
P-13	10.50
P-14	14.50
P-15	14.50
PF-1	10.00
PF-2	10.00
PF-3	4.50
R-1	6.10
R-2	7.40
R-3	9.00
R-4	10.70
R-5	13.00
R-6	6.10
R-7	7.80
R-8	9.50
R-9	11.00
R-10	14.00
R-11	9.50
R-12	10.80
R-13	15.50
R-14	2.10
R-15	2.10
R-16	2.10
R-17	2.80
R-18	2.80
R-19	3.90
R-20	4.30
R-21	4.30
R-22	3.90
R-23	4.10
R-24	4.30
R-25	4.50
R-26	4.50
R-27	4.10
R-28	5.80
R-29	4.30
R-30	11.00
R-31	3.50

Type No.	List Price
R-32	$5.00
R-33	2.90
R-34	3.00
R-35	3.70
R-36	3.70
R-37	3.90
R-38A	3.00
R-39	3.80
R-40	5.50
R-41	7.50
R-42	8.50
R-43	9.50
R-44	12.50
R-45	20.00
R-46	35.00
R-47	10.00
R-48	13.50
R-53	3.70
R-54	6.60
R-55	1.75
R-56	3.70
R-57	5.80
R-58	3.00
R-59	3.50
R-60	3.70
R-64	70.00
R-72	8.50
R-73	13.00
R-74	24.00
R-75	35.00
R-76	55.00
R-77	95.00
R-78	18.00
R-79	22.00
R-80	30.00
R-81	60.00
R-83	18.00
R-84	22.00
R-85	30.00
R-86	60.00
R-90	3.00
R-91	7.00
R-92	7.00
R-93	14.00
R-94	20.00
R-95	15.00
SO-1	5.60
SO-2	5.60
SO-3	5.60
SO-4	5.60
SO-5	5.10

Type No.	Net Price
S-1	$3.30
S-2	3.80
S-3	3.10
S-4	5.20
S-5	4.25
S-6	3.10
S-7	5.00
S-8	4.00
S-9	5.20
S-10	4.70
S-11	4.25
S-12	4.70
S-13	6.20
S-14	4.50
S-15	4.70
S-16	6.20
S-17	7.50
S-18	5.00
S-19	7.50
S-20	11.00
S-21	15.50
S-22	24.00
S-23	3.40
S-24	3.70
S-25	3.10
S-26	3.10
S-27	3.80
S-28	3.80
S-29	3.80
S-30	3.80
S-31	5.00
S-32	5.00
S-33	7.00
S-34	7.00
S-35	10.50
S-36	10.50

Type No.	Net Price
S-37	$14.00
S-38	14.00
S-39	10.50
S-40	10.50
S-41	9.50
S-42	12.50
S-43	17.50
S-44	15.50
S-45	12.00
S-46	15.00
S-47	19.00
S-48	28.00
S-49	26.50
S-50	37.00
S-51	9.00
S-52	12.00
S-53	3.20
S-54	3.20
S-55	3.20
S-56	3.20
S-57	4.50
S-58	5.50
S-59	4.50
S-60	10.00
S-61	4.50
S-62	5.50
S-63	10.00
S-64	5.50
S-65	5.50
S-66	5.50
S-67	5.50
S-68	6.00
S-69	6.00
S-70	6.00
S-71	10.00
S-72	6.30
S-74	16.50
V-0	11.50
V-0-B	15.00
V-1	17.50
V-1-M	29.00
V-2	15.00
V-2-B	18.00
V-3	22.00
V-3-B	29.00
V-4	32.00
V-4-B	40.00

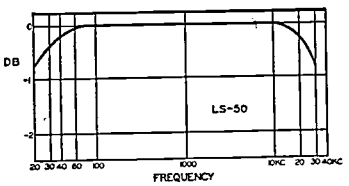
Type No.	List Price
VI-C1	$11.00
VI-C2	11.00
VI-C3	11.00
VI-C4	11.00
VI-C5	11.00
VI-C6	11.00
VI-C7	14.00
VI-C8	14.00
VI-C9	14.00
VI-C10	14.00
VI-C11	14.00
VI-C12	14.00
VI-C13	14.00
VI-C14	14.00
VI-C15	16.50
VI-C16	16.50
VI-C17	16.50
VI-C18	16.50
VI-C19	16.50
VI-C20	16.50
VI-C21	17.50
VI-C22	18.50

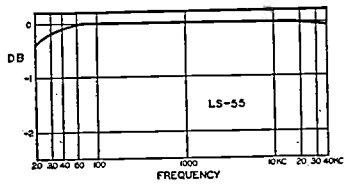
FILTERS AND EQUALIZERS

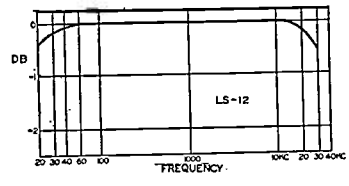
Type No.	Net Price
3A	$125.00
3AX	205.00
4C	185.00
5A	185.00
BPI	35.00
BPL	35.00
HPI	35.00
HPL	35.00
LPI	35.00
LPL	35.00

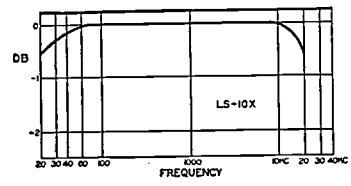
Prices shown are as of May 1949 and are subject to change without notice.

LINEAR STANDARD AUDIO TRANSFORMERS









The ever increasing use of wide range equipment for broadcast service has reached the point where the major limiting factor is the frequency range of the transformers employed. UTC Linear Standard components represent the closest approach to the ideal transformer from the standpoint of uniform frequency response, low wave form distortion, high efficiency, thorough shielding, and dependability.

LINEAR STANDARD AUDIO UNITS FEATURE:

UNIFORM FREQUENCY RESPONSE . . . at low frequencies, is effected through the use of HIPERM-ALLOY, a STABLE nickel iron alloy of very high initial permeability. Uniform high frequency response is the result of multiple section interleaved windings arranged in a semi-toroidal coil structure. This, plus special winding methods and insulations, assures a minimum of distributed capacity and leakage reactance.

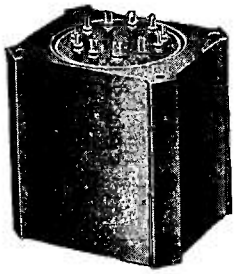
UTC LINEAR STANDARD transformers are the ONLY audio units with a **GUARANTEED** uniform response . . . ± 1. DB from 20 to 20,000 cycles.

MINIMUM HUM PICKUP . . . is accomplished through the use of a hum balanced, semi-toroidal, coil structure which affords maximum neutralization of external fields. In addition, all low level units employ an internal high permeability alloy case as well as the high conductivity outer case for maximum shielding. For very low level applications, units whose code numbers end in X employ quadruple alloy shielding, making possible a transformer with the lowest inductive pickup commercially available.

NEGLIGIBLE WAVE FORM DISTORTION . . . is a function of proper impedance matching, minimum phase shift, and low flux density. These elements have been given great attention in the design of Linear Standard units. It is interesting to note that an output transformer reasonably flat from 20 to 20,000 cycles may show serious distortion at 30 and 10,000 cycles. For this reason, UTC high level units have a frequency range better than guaranteed value in some instances up to 50,000 cycles.

MULTIPLE TAP WINDINGS . . . make possible a wide combination of impedance terminations without impairing fidelity or efficiency. Precision winding methods result in winding accuracy of .1% . . . perfect balance of inductance and capacity . . . exact impedance reflection. For all practical uses, 500 ohm termination may be used for 600 ohm requirements. For maximum efficiency and balance, 250 ohm lines are recommended to be connected to 200 ohm terminations.

DEPENDABILITY . . . is a function of external and internal structure. Linear Standard units are housed in rugged die cast cases of precise dimension with reversible mounting to permit above chassis or subchassis wiring. The solid terminal posts on low absorption bakelite are arranged in a circular layout so that a round chassis hole will clear all terminals. Coils are vacuum baked and impregnated. Semi-hermetic sealing is accomplished through the use of a high adhesion compound poured through the large opening opposite the terminal board after controlled preheating of the unit for full compound penetration.



LS-1 CASE

Length	3⅛"
Width	2⅝"
Height	3¼"
Mounting	1 15/16" x 2 7/16"
Screws	6-32
Cutout	1⅞" dia.
Unit Weight	3 lbs.

LOW IMPEDANCE TO GRID TRANSFORMERS

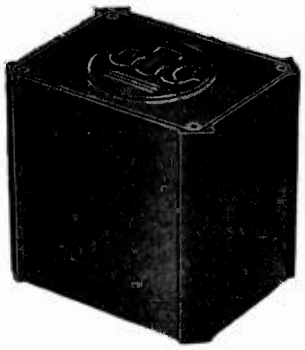
Type No.	Application	Primary Impedance	Secondary Impedance	± 1 db from	Max. Level	Relative* hum-pickup reduction	Max. Unbalanced DC in prim'y	Case No.
LS-10	Low impedance mike, pickup, or multiple line to grid	50, 125/150, 200, 250, 333, 500/600 ohms	60,000 ohms in two sections	20-20,000	+15 DB	—74 DB	5 MA	LS-1
LS-10X	As above.	As above	50,000 ohms	20-20,000	+14 DB	—92 DB-Q	5 MA	LS-1
LS-12	Low impedance mike, pickup, or multiple line to push pull grids	50, 125/150, 200, 250, 333, 500/600 ohms	120,000 ohms overall, in two sections	20-20,000	+15 DB	—74 DB	5 MA	LS-1
LS-12X	As above	As above	80,000 ohms overall, in two sections	20-20,000	+14 DB	—92 DB-Q	5 MA	LS-1
LS-14	Low impedance mike, pickup or parallel mixer to grid	2.5, 5.5, 10, 15, 22, 30, 38, 60 ohms	60,000 ohms in two sections	20-20,000	+15 DB	—74 DB	5 MA	LS-1
LS-14X	As above	As above	50,000 ohms,	20-20,000	+14 DB	—92 DB-Q	5 MA	LS-1
LS-15	Three isolated lines or pads to one or two grids	30, 50, 200, 250 ohms each primary	60,000 ohms overall, in two sections	20-20,000	+15 DB	—74 DB	5 MA	LS-1
LS-15X	As above	As above	As above	20-20,000	+14 DB	—92 DB-Q	5 MA	LS-1
LS-18	High level multiple line to push pull grids	50, 125/150, 200, 250, 333, 500/600 ohms	50,000 ohms overall, in two sections	20-20,000	+30 DB	—50 DB	5 MA	LS-2
LS-26	Bridging line to single or push pull grids	5,000 ohms	60,000 ohms in two sections	15-20,000	+20 DB	—74 DB	0	LS-1

The values of unbalanced DC shown will effect approximately 1.5 DB loss at 30 cycles.
* Comparison of hum balanced unit with magnetic shielding to normal uncased type.
Q Quadruple alloy magnetic shield.

(Refer to Page N-37 for UTC Prices)

INTERSTAGE AUDIO TRANSFORMERS

Type No.	Application	Primary Impedance	Secondary Impedance	± 1 db from	Max. Level	Relative* hum-pickup reduction	Max. Unbalanced DC in prim'y	Case No.
LS-19	Single plate to push pull grids like 2A3, 6L6, 300A. Split secondary	15,000 ohms	95,000 ohms; 1.25:1 each side	20-20,000	+17 DB	—50 DB	0 MA	LS-1
LS-20	Single plate to single grid	15,000 ohms	60,000 ohms; 2:1 turn ratio	20-20,000	+14 DB	—74 DB	0 MA	LS-1
LS-21	Single plate to push pull grids. Split primary and secondary	15,000 ohms	135,000 ohms; turn ratio 3:1 overall	20-20,000	+14 DB	—74 DB	0 MA	LS 1
LS-40	Single plate to push pull grids. Split secondary	15,000 ohms	135,000 ohms; turn ratio 3:1 overall	30-20,000	+20 DB	—74 DB	8 MA	LS-1
LS-22	Push pull plates to push pull grids. Split primary and secondary	30,000 ohms plate to plate	80,000 ohms; turn ratio 1.6:1 overall	20-20,000	+26 DB	—50 DB	.25 MA	LS 2
LS-25	Push pull plates to push pull grids. Medium level. Split primary and secondary	30,000 ohms plate to plate	50,000 ohms; turn ratio 1.3:1 overall	20-20,000	+17 DB	—74 DB	1 MA	LS-1
LS-26	Bridging line to 1 or 2 grids	5000	80,000 in two sections	15-20,000	+20 DB	—74 DB	0	LS 1



LS-2 CASE

Length	4 7/16"
Width	3 1/2"
Height	4 3/16"
Mounting	2 11/16" x 3 11/16"
Screws	8-32
Cutout	2 3/4" dia.
Unit Weight	7.5 lbs.

MIXING TRANSFORMERS

Type No.	Application	Primary Impedance	Secondary Impedance	± 1 db from	Max. Level	Relative* hum-pickup reduction	Max. Unbalanced DC in prim'y	Case No.
LS-30	Mixing, low impedance mike, pickup, or multiple line to multiple line	50, 125/150, 200, 250, 333, 500/600 ohms	50, 125, 200, 250, 333, 500/600 ohms	20-20,000	+17 DB	—74 DB	5 MA	LS-1
LS-30X	As above	As above	As above	20-20,000	+15 DB	—92 DB-Q	3 MA	LS-1
LS-31	Three isolated lines or pads to multiple line	30, 50, 200, 250 ohms each primary	50, 125/150, 200, 250, 333, 500/600 ohms	20-20,000	+15 DB	—74 DB	5 MA	LS-1
LS-31X	As above	As above	As above	20-20,000	+14 DB	—92 DB-Q	3 MA	LS-1
LS-32	Mixing, low impedance mike, pickup, or parallel mixer to multiple line	2.5, 5.5, 10, 15, 22, 30, 38, 60 ohms	50, 125/150, 200, 250, 333, 500/600 ohms	20-20,000	+15 DB	—74 DB	5 MA	LS-1

LS-3 CASE

Length	5 13/16"
Width	5"
Height	4 11/16"
Mounting	4 3/16" x 5 1/32"
Screws	10-32
Cutout	3 3/4" dia.
Unit Weight	15 lbs.

PLATE, CRYSTAL, PHOTOCELL, AND BRIDGING TO LINE TRANSFORMERS

Type No.	Application	Primary Impedance	Secondary Impedance	± 1 db from	Max. Level	Relative* hum-pickup reduction	Max. Unbalanced DC in prim'y	Case No.
LS-27	Single plate to multiple line	15,000 ohms	50, 125/150, 200, 250, 333, 500/600 ohms	30-12,000 cycles	+20 DB	—74 DB	8 MA	LS-1
LS-50	Single plate to multiple line	15,000 ohms	50, 125/150, 200, 250, 333, 500/600 ohms	20-20,000	+17 DB	—74 DB	0 MA	LS-1
LS-51	Push pull low level plates to multiple line	30,000 ohms plate to plate	50, 125/150, 200, 250, 333, 500/600 ohms	20-20,000	+20 DB	—74 DB	1 MA	LS-1
LS-38	Crystal microphone pickup to multiple line, with internal equalizer	100,000 ohms	50, 125/150, 200, 250, 333, 500/600 ohms	Equalized for crystal	+14 DB	—74 DB	0 MA	LS-1
LS-39	Photocell, high-mu triode, diode or overbiased detector to multiple line	100,000 ohms	50, 125/150, 200, 250, 333, 500/600 ohms	20-20,000	+14 DB	—74 DB	0 MA	LS-1
LS-150	Bridging transformer from 50 to 500 ohm line to line	1,000 ohms, bridging	50, 125/150, 200, 250, 333, 500/600 ohms	15-30,000	+20 DB	—74 DB	1 MA	LS-1
LS-151	Bridging transformer from 50 to 500 ohm line to line	16,000 ohms, bridging	50, 125/150, 200, 250, 333, 500/600 ohms	15-30,000	+22 DB	—74 DB	1 MA	LS-1

SPECIAL LS UNITS

Custom built LS units are available for any frequency from ½ cycle to 300 Kc. and for levels from —160 DB to 100 Kw. One of the many unusual LS designs is described below.

HYBRID AND REPEAT COILS

Type No.	Application	Pri. and Sec. Impedances	± 1 db from	Max. Level	Hum* Reduction	Max. Unbalanced DC in prim'y	Case No.
LS-140	Line to line for isolating balanced and unbalanced circuits; balanced for maximum reduction cross talk (70 DB)	500/600 ohms split 500/600 ohms split	30-20,000	+10 DB	—92 DB Quadruple alloy shield	0 MA	LS-1
LS-141	Three sets of balanced windings for hybrid service, centertapped	500/600 ohms 500/600 ohms	30-15,000	+10 DB	—74 DB	0 MA	LS-1
LS-142	Line to line and to push pull grids for hybrid service	500/600 ohms 500/600 ohms 60,000 ohms	30-15,000	+10 DB	—74 DB	0 MA	LS-1
LS-143	High efficiency ring and talk repeat coil, for low frequency ringing	500/600 ohms 500/600 ohms	Efficient 15/1[illegible] cycles	+25 DB	—74 DB	5 MA	LS-2

BOLOMETER TRANSFORMER

Frequency Range ½ cycle to 20 cycles
Primary Impedance.....10 ohms C. T.
Secondary Impedance .75 megohms C. T.
Secondary Impedance .75 meghenries
Shielding.....for —160 DB operation
Case.....RC-112 (See pg. N-48)
Type D-1515.....Net Price $80.00

(Refer to Page N-37 for UTC Prices)

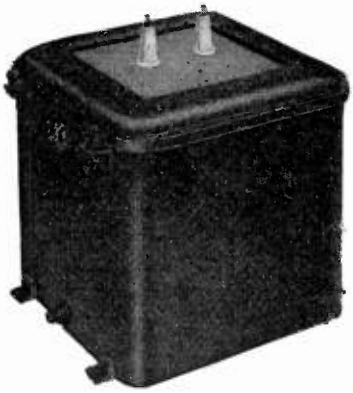
LS-6 CASE

Length	15¾"
Width	13"
Height	22"
Mounting	7⅜" x 14 5/16"
Mounting Hole	⅜" dia.
Unit Weight	350 lbs.

OUTPUT TRANSFORMERS

Linear Standard output and matching transformers employ large cores of high permeability steel and precisely balanced, highly interleaved coil structures. The frequency response and harmonic distortion are unequalled in commercially available material.

The multiple tap windings afford a wide range of impedances for every application. The impedance values given are for one load. Where it is desired to feed two loads simultaneously, with equal power, it is necessary to connect the loads to terminations of half the impedance value. For example, if it is desired to split the output between a 500 ohm line and a 15 ohm voice coil, connect the the 500 ohm line to 250 ohm termination and the 15 ohm speaker to the 7.5 ohm termination. If the bulk of the output is desired in one of the loads, connect this load to its correct termination and the other load to a termination of 20% rating or less. For example, if in the above case, the speaker were used solely for monitoring, connect 500 ohm line to 500 ohm termination and 15 ohm voice coil to 2.5 ohm termination.



LS-7 CASE

Length	20⅜"
Width	17¾"
Height	26"
Mounting	11⅝" x 19⅜"
Mounting Hole	⅜" dia.
Unit Weight	500 lbs.

DRIVER TRANSFORMERS

Type No.	Application	Primary Impedance	Reflected Secondary Impedance	±1 db from	Max. Level	Max. Unbalanced DC in Primary	Case No.
LS-5	Driver, multiple line to class B 838's, 805's, ZB-120's, 203A's and similar tubes	50, 125, 200, 250, 333, 500/600 ohms	2,000 ohms; 1:2 overall turns ratio	20-20 000	+36 DB	5 MA	LS-2
LS-6	Driver, push pull 45's, 59's, 2A3's, 6A5G's, etc., to push pull 845 or 211D grids	5,000 ohms plate to plate	2.25 primary impedance; turns ratio 1.5:1 overall	20-20,000	+33 DB	5 MA	LS-2
LS-7	Push pull 56, 6C5 or similar plates to A prime 45's, 42's, 6F6's, 2A3's, 6L6's	30,000 ohms plate to plate	.45 primary impedance turn ratio 1.5:1 Pri. to Sec.	20-20,000	+25 DB	1 MA	LS-2
LS-47	Driver from push pull 2A3's, 6A5G's, or 300A's to class B 838's, 203A's, 805's, or ZB120's	5,000 ohms plate to plate	.1 pri. impedance turns ratio., Pri./½ Sec. 3.2:1	20-20,000	+33 DB	5 MA	LS-2
LS-48	Driver transformer push pull 845's to 204 or 849 grids in class B.	12,000 ohms plate to plate	.038 pri. impedance turns ratio. Pri./½ Sec. 5.1:1	20-20,000	+42 DB	15 MA	LS-3
LS-49	Push pull parallel 2A3, 6A5G, or 300A tubes to four 838, 203A, 805, or ZB120 tubes.	2,500 ohms plate to plate	Ratio Pri./½ Sec. 4:1 and 2.5:1	20-20,000	+39 DB	10 MA	LS-3

OUTPUT TRANSFORMERS TO LINE AND VOICE COIL

Type No.	Primary will match following typical tubes	Primary Impedance	Secondary Impedance	*±.2 db from	Max. Level	Case No.
LS-52	Push pull 245, 250, 6V6, 42 or 2A5 A prime	8,000 ohms	500, 333, 250, 200, 125, 50, 30, 20, 15, 10, 7.5, 5, 2.5, 1.2	25-20,000	15 watts	LS-2
LS-54	Same as above	8,000 ohms	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	25-20,000	15 watts	LS-2
LS-55	Push pull 2A3's, 6A5G's, 300A's, 275A's, 6A3's, 6L6's	5,000 ohms plate to plate and 3,000 ohms plate to plate	500, 333, 250, 200, 125, 50, 30, 20, 15, 10, 7.5, 5, 2.5, 1.2	25-20 000	20 watts	LS-2
LS-57	Same as above	5,000 ohms plate to plate and 3,000 ohms plate to plate	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	25-20 000	20 watts	LS-2
LS-58	Push pull parallel 2A3's, 6A5G's, 300A's, 6A3's	2,500 ohms plate to plate and 1,500 ohms plate to plate	500, 333, 250, 200, 125, 50, 30, 20, 15, 10, 7.5, 5, 2.5, 1.2	25-20,000	40 watts	LS-3
LS-60A	Push pull 2A3's, 6A3's, 6B4G's fixed bias, cathode follower drive	4,600 ohms plate to plate	15, 10, 7.5, 5, 3.75, 2.5, 1.2	20-20,000	30 watts	LS-3
LS-62A	Same as above	As above	500, 125	20-20,000	30 watts	LS-3
LS-61	Push pull 6B5, CA6, 53, 6F6, 71A, 59, 79, 89, class B46, 59's	10,000 ohms plate to plate and 6,000 ohms plate to plate	500, 333, 250, 200, 125, 50, 30, 20, 15, 10, 7.5, 5, 2.5, 1.2	25-20,000	15 watts	LS-2
LS-63	Same as above	10,000 ohms plate to plate and 6,000 ohms plate to plate	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	25-20,000	15 watts	LS-2
LS-6L1	Push pull 6L6's self bias AB1	9,000 ohms plate to plate	500, 333, 250, 200, 125, 50, 30, 20, 15, 10, 7.5, 5, 2.5, 1.2	25-20,000	30 watts	LS-3
LS-6L3	Same as above	9,000 ohms plate to plate	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	25-20,000	30 watts	LS-3
LS-6L4	Push pull 6L6's fixed bias or push pull parallel 6L6's self bias	3,800 ohms plate to plate and 4,500 ohms plate to plate	500, 333, 250, 200, 125, 50, 30, 20, 15, 10, 7.5, 5, 2.5, 1.2	25-20,000	55 watts	LS-3

*Note: Actual frequency response is 10.-50,000 cycles. Values shown indicate recommended range for minimum distortion.

OUTPUT TRANSFORMERS TO HIGH IMPEDANCE (RF) LOAD

Type No.	Primary will match following typical tubes	Primary Impedance	Secondary Impedance	*±.4 db from	Max. Level	Case No.
LS-56	Push pull 2A3's, 6A5G's, 300A's, 275A's, 6A3's	5,000 ohms plate to plate and 3,000 ohms plate to plate	6000, 5000, 4000, 1800, 1500, 1000, 30, 20, 15, 10, 7.5, 5, 2.5, 1.2	25-20,000	20 watts	LS-2
LS-66	Class B 203A, 838, ZB120, 805	9,000 ohms plate to plate	5000, 4200, 4100, 3500, 3300, 2650, 2500, 2100, 1250, 600	25-20,000	260 watts	See chart next page
LS-67	Class B 203A, 838, ZB120, 805	9,000 and 6900 ohms plate to plate	10000, 2500	25-20,000	260 watts	See chart next page
LS-691	Class B 849, 833, 250TH	10,400 ohms plate to plate	4500, 4000, 3500, 2750, 2000	25-20,000	1000 watts	LS-6
LS-692	Class B push pull parallel 833's	3,650 ohms plate to plate	2500, 2000, 1750, 1500, 1250	25-20,000	2500 watts	LS-7
LS-693	To specifications			25-20,000	5000 watts	Spec.

HIGH LEVEL MATCHING TRANSFORMERS

Type No.	Application	Primary Impedance	Secondary Impedance	*±.2 db from	Max. Level	Case No.
LS-33	High level line matching	50, 125, 200, 250, 333, 500/600 ohms	1.2, 2.5, 5, 7.5, 10, 15, 20, 30, 50, 125, 200, 250, 333, 500/600	20-20 000	15 watts	LS-2
LS-34	High level line matching	50, 125, 200, 250, 333, 500/600 ohms	1.2, 2.5, 5, 7.5, 10, 15, 20, 30, 50, 125, 200, 250, 333, 500/600	20-20,000	30 watts	LS-3

(Refer to Page N-37 for UTC Prices)

LINEAR STANDARD POWER EQUIPMENT

In choosing power components for broadcast and commercial equipment, the first factor to be considered is dependability. Linear standard power components are very conservatively designed for maximum reliability. Designs provide for low temperature rise 40°, and high insulation safety factors. Only the finest of materials and workmanship are used throughout.

The low power components of the Linear Standard series are housed in the familiar rectangular LS case with top or bottom mounting facilities. High power components are housed in end castings which completely protect the winding, while directly exposing the laminations for maximum heat transfer.

All units have a deep grey finish to obtain the highest heat radiation co-efficient. Large components (up to 250 KVA) are housed in oil tanks.

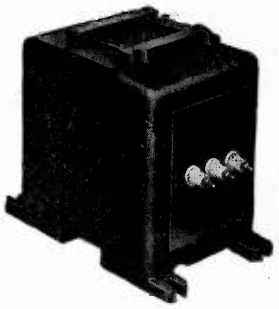


PLATE TRANSFORMERS

Type No.	Application	Primary Voltage 50/60 cycles	High Voltage	Approximate DC Voltage Out of Filter	DC Current
LS-181	For push pull 845, 800, etc.	100, 110, 120, 220, 230, 240	1500-1250-0-1250-1500	1250-1050	200 MA
LS-182	Class B 203, 838, ZB120, etc.	100, 110, 120, 220, 230, 240	1500-1250-0-1250-1500	1250-1050	350 MA
LS-183	Class B 805 or push pull parallel 203A's, etc.	100, 110, 120, 220, 230, 240	1750-1500-0-1500-1750	1500-1250	400 MA
LS-184	Class B 204A, 849, HF200, HF300, 250TH, HK354, 100TH, etc.	100, 110, 120, 220, 230, 240	3500-3000-2500-0-2500-3000-3500	3000-2500-2100	500 MA
LS-185	For combined class B and class C stages as above	100, 110, 120, 220, 230, 240	3500-3000-2500-0-2500-3000-3500	3000-2500-2100	1.2 amp.

COMBINED PLATE AND FILAMENT TRANSFORMERS

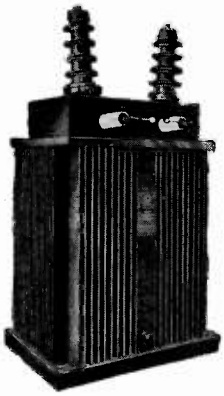
Type No.	Application	Primary Voltage 50/60 cycles	High Voltage	Filament Windings	Case No.
LS-180	For pre-amplifier service	110	225-0-225 15 MA	6.3 V.C.T.-2A 6.3 V.C.T.-.5A	LS-1
LS-180H	Same as above but in hum-balanced construction (dual coils symmetrically arranged to neutralize stray fluxes)				LS-1
LS-190	Low power amplifier and receiver service	100, 105, 110, 115, 120, 125	350-300-0-300-350 125 MA	5 V.C.T.-3A 2.5 V.C.T.-6A 6.3 V.C.T.-3A	LS-3
LS-70	High power amplifier service	100, 105, 110, 115, 120, 125	425-375-0-375-425 200 MA 70-0-70 50 MA	5 V.C.T.-3A 5 V.C.T.-2A 2.5 V.C.T.-10A 6.3 V.C.T.-1A 6.3 V.C.T.-3A	LS-3
LS-72	For fixed or self bias 6L6's, 300A's	100, 105, 110, 115, 120, 125	525-450-0-450-525 250 MA 70-0-70 50 MA	5 V.C.T.-3A 2.5 V.C.T.-3A 2.5 V.C.T.-3A 6.3 V.C.T.-1A 6.3 V.C.T.-3A tapped at 5 V.C.T.-6A	LS-3
LS-73	For push pull parallel 6L6's, 300A's, 2A3's	100, 105, 110, 115, 120, 125	500-400-0-400-500 500 MA 70-0-70 50 MA	5 V.C.T.-6A 2.5 V.C.T.-10A 2.5 V.C.T.-3A 6.3 V.C.T.-4A 6.3 V.C.T.-6A tapped at 5 V.C.T.-6A	See chart above, right

FILAMENT TRANSFORMERS

Type No.	Application	Primary Voltage 50/60 cycles	Secondary Voltage	Insulation Test Voltage	Case No.
LS-80	866 rectifiers	100, 110, 120, 220, 230, 240	2.5 V.C.T.-10A	10,000	LS-3
LS-82	872 rectifiers	100, 110, 120, 220, 230, 240	5 V.C.T.-20A	12,000	LS-3
LS-84	203A, 845, etc. HF200, HF300	100, 110, 120, 220, 230, 240	10 V.C.T.-8A	10,000	LS-3
LS-88	6.3 volt tubes	105, 115, 125	6.3 V.C.T.-2A	2,500	LS-1
LS-120	866 Bridge rectifier	100, 110, 120, 220, 230, 240	2.5 V.C.T.-10A 2.5 V.C.T.-5A 2.5 V.C.T.-5A	12,000	LS-3
LS-121Y	872 Bridge rectifier	100, 110, 120, 220, 230, 240	5 V.C.T.-20A 5 V.C.T.-10A 5 V.C.T.-10A	12,000	See chart
LS-83	872A, 575 or 869 rectifiers	100, 110, 120, 220, 230, 240	5 V.C.T.-20A	35,000	See chart
LS-89A	Three 869 rectifiers	100, 110, 120, 220, 230, 240	5 V.C.T.-60A	35,000	See chart

DIMENSION CHART

Type No.	L	W	H	Mtg.	Wt.
LS-66	9¾	4¾	6¾	3⅞ x 9⅛	37
LS-67	9¾	4¾	6¾	3⅞ x 9⅛	37
LS-73	9½	4¾	6¾	3⅞ x 8⅞	34
LS-83	8¾	4¾	6¾	3⅞ x 8⅛	25
LS-89A	9⅝	7	9	6 x 8⅝	68
LS-96	10¼	4¾	6¾	3⅞ x 9⅝	40
LS-99	14⅛	8½	10¼	7¼x13⅛	80
LS-102	9¾	4¾	6¾	3⅞ x 9⅛	37
LS-103	13⅛	8½	10¼	7¼x12⅛	58
LS-104A	16¼" High—LS-7 Case				500
LS-105	13⅛	8½	10¼	7¼x12⅛	58
LS-121Y	8¼	3¾	5⅛	3x7-13/16	23
LS-181	9¾	4¾	6¾	3⅞ x 9⅛	37
LS-182	10¾	4¾	6¾	3⅞x10⅛	45
LS-183	15⅛	10	13¼	8½x14½	70
LS-184	17¼	10	13¼	8½x16¼	102
LS-185	23	10	13¼	8½x22	230

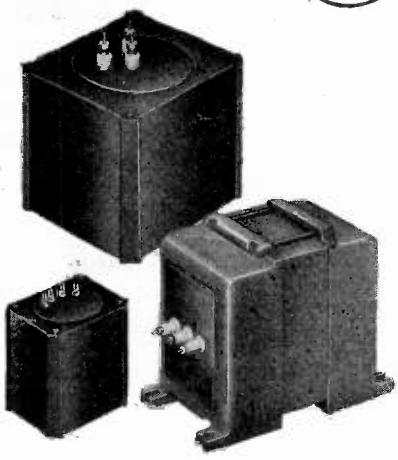


A considerable number of power supply applications require special components. These can be made to your specifications. The filter choke illustrated (for a 100 KW broadcast transmitter) is typical of the high power custom LS components.

(Refer to Page N-37 for UTC Prices)

LINEAR STANDARD FILTER, SWINGING, AND AUDIO CHOKES

(Inductance values are at D.C. current shown)



Type No.	Application	Inductance	DC Current	DC Resistance	Insulation Test Voltage	Case No.
LS-90	Filter choke with hum bucking tap	Series-50 hy Parallel-12.5 hy	50 MA 100 MA	510 ohms 128 ohms	2000	LS-2
LS-91	Filter choke with hum bucking tap	Series-14 hy Parallel-3.5 hy	125 MA 250 MA	200 ohms 50 ohms	2000	LS-2
LS-92	Filter choke with hum bucking tap	Series-16 hy Parallel-4 hy	175 MA 350 MA	96 ohms 24 ohms	2500	LS-3
LS-93	Filter choke with hum bucking tap	Series-28 hy Parallel-6.25 hy	200 MA 400 MA	112 ohms 28 ohms	3500	LS-3
LS-94	Parallel feed and filter choke	Series-320 hy Parallel-80 hy	3 MA 6 MA	6400 ohms 1600 ohms	1500	LS-1
LS-950	Filter choke with hum bucking tap	Series-100 hy Parallel-25 hy	35 MA 70 MA	1000 ohms 200 ohms	1500	LS-2
LS-96	Filter choke with hum bucking tap	Series-20 hy Parallel-5 hy	500 MA 1 amp	90 ohms 22.5 ohms	7500	*
LS-980	Filter choke with hum bucking tap	Series-14 hy Parallel-3.5 hy	400 MA 800 MA	100 ohms 25 ohms	5000	LS-3
LS-98	Swinging choke	8-40 hy	400 MA	90 ohms	5000	LS-3
LS-99	Filter choke with hum bucking tap	Series-20 hy Parallel-5 hy	1 amp 2 amp	50 ohms 12.5 ohms	10000	*
LS-105	Swinging choke	8-40 hy	1 amp	50 ohms	10000	*

* See chart on preceding page.

MODULATION REACTORS

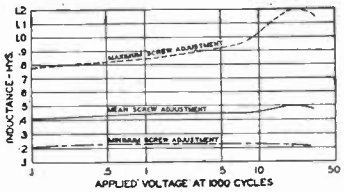
Type No.	Application	Inductance	DC Current	DC Resistance	Insulation Test Voltage	Case No.
LS-102	Modulation reactor	50 hy	350 MA	250 ohms	5000	*
LS-103	Modulation reactor	50 hy	500 MA	175 ohms	7500	*
LS-104A	Modulation reactor	50 hy	1.3 amp	75 ohms	20000	*
LS-106	Modulation reactor	50 hy	750 MA	120 ohms	10000	Special

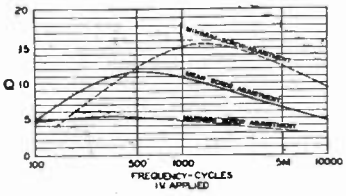
* See chart on preceding page.

UTC VARIABLE INDUCTORS

UTC type VIC variable inductors offer a revolutionary approach to the problem of tuned audio circuits. By adjusting a set screw in the side of the case, an inductance value of +90%, —50% from mean value is obtainable. Setting is positive. Effective Q for a wide frequency range and variation of inductance with applied AC voltage are shown on the illustrated curves, for a typical VIC unit.

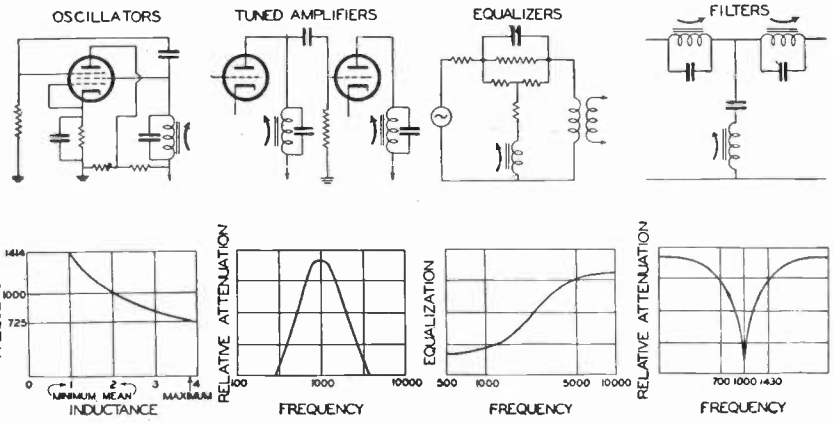
The VIC inductor is housed in a rugged die cast case 1 11/32" long, 1 1/4" wide and 1 7/16" high with mounting centers on terminal board side 13/16" by 29/32". Weight is 5 1/2 oz.





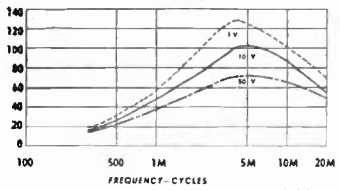
Type	Mean Hys	Type	Mean Hys.
VI-C1	.0085	VI-C12	1.3
VI-C2	.013	VI-C13	2.2
VI-C3	.021	VI-C14	3.4
VI-C4	.034	VI-C15	5.4
VI-C5	.053	VI-C16	8.5
VI-C6	.084	VI-C17	13.
VI-C7	.13	VI-C18	21.
VI-C8	.21	VI-C19	33.
VI-C9	.34	VI-C20	52.
VI-C10	.54	VI-C21	83.
VI-C11	.85	VI-C22	130.

TYPICAL VIC APPLICATIONS

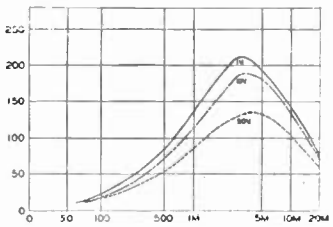


(Refer to Page N-37 for UTC Prices)

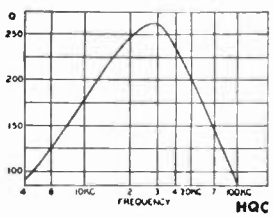
UTC HIGH Q TOROID INDUCTORS



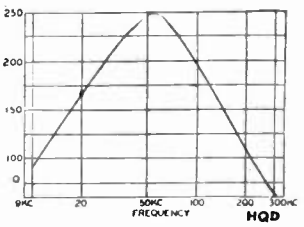
HQA



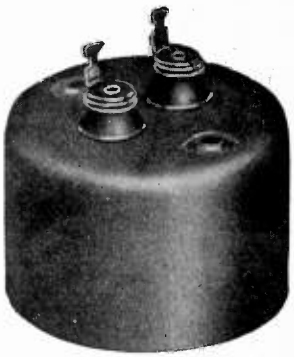
HQB



HQC

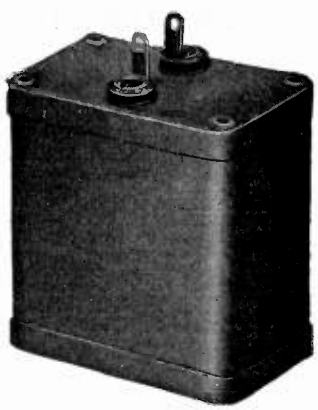


HQD



HQA, HQC, HQD CASE

Diameter	1 13/16"
Height	1 3/16"
Mounting	1 1/8"
Screws	6-32
Cutout	9/16" x 1 3/16"
Weight	5 oz.



HQB CASE

Length	2 5/8"
Width	1 5/8"
Height	2 1/2"
Mounting	1 11/64" x 2 11/64"
Screws	6-32
Cutout	9/16" x 1 1/8"
Unit Weight	14 oz.

Type No.	Inductance Value		*DC MA Max.
HQA-1	5	mhy.	400
HQA-2	12.5	mhy.	260
HQA-3	20	mhy.	200
HQA-4	30	mhy.	160
HQA-5	50	mhy.	130
HQA-6	80	mhy.	100
HQA-7	125	mhy.	85
HQA-8	200	mhy.	65
HQA-9	300	mhy.	50
HQA-10	.5	hy.	40
HQA-11	.75	hy.	35
HQA-12	1.25	hy.	26
HQA-13	2.	hy.	20
HQA-14	3.	hy.	16
HQA-15	5.	hy.	13
HQA-16	7.5	hy.	10
HQA-17	10.	hy.	9
HQA-18	15.	hy.	8
HQB-1	10	mhy.	410
HQB-2	30	mhy.	240
HQB-3	70	mhy.	170
HQB-4	120	mhy.	120
HQB-5	.5	hy.	60
HQB-6	1.	hy.	41
HQB-7	2.	hy.	30
HQB-8	3.5	hy.	22
HQB-9	7.5	hy.	16
HQB-10	12.	hy.	11
HQB-11	18.	hy.	9
HQB-12	25.	hy.	8
HQC-1	1	mhy.	
HQC-2	2.5	mhy.	
HQC-3	5	mhy.	
HQC-4	10	mhy.	
HQC-5	20	mhy.	
HQD-1	.4	mhy.	
HQD-2	.1	mhy.	
HQD-3	2.5	mhy.	
HQD-4	5	mhy.	
HQD-5	15	mhy.	

There are many applications in the audio, carrier, and supersonic fields requiring inductors of high Q and great stability. The HQ series of permalloy dust toroid units developed for these applications have remarkable characteristics.

HQA coils have maximum Q (100) at approximately 5,000 cycles. **HQB** coils have maximum Q (200) at approximately 4,000 cycles. **HQC** coils have maximum Q (200) at approximately 30 Kc. **HQD** coils have maximum Q (200) at approximately 60 Kc. The stability is excellent and types are available for all high Q applications from 300 cycles to 300 Kc.

Stability is excellent. For the HQA-7 coil illustrated inductance change is less than 1% for applied voltages from .1 to 25 volts. For the HQB-5 coil illustrated the inductance change is less than 1% for applied voltage from .1 to 50 volts. DC is permissible through the coil. Inductance is virtually independent of frequency, temperature, and vibration.

Hum pickup is extremely low due to the toroidal winding structure . . . 70 microvolts per gauss for the HQA, 140 microvolts per gauss for the HQB. The cased toroid structure permits close spacing of units, effecting a coupling attenuation of approximately 80 DB.

All HQ coils are hermetically sealed. Units are laboratory adjusted to 1% tolerance.

*This value of D.C. will drop the coil inductance 5%. Values of D.C. below this will show proportionately (linear) less inductance drop. For example HQA-8 will drop ½% in L with 6.5MA.

UNCASED HIGH Q TOROIDS

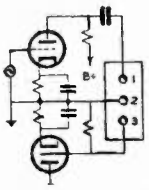
We can supply any of the Toroids listed without case. Deduct $1.50. Specify type and inductance value when ordering.

SPECIAL TOROIDS

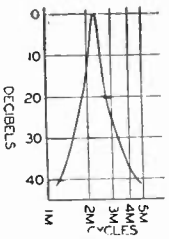
Sizes other than those shown in our stock list can be supplied on special order at price of next highest value.

(Refer to Page N-37 for UTC Prices)

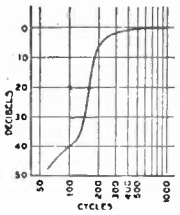
UTC INTERSTAGE FILTERS



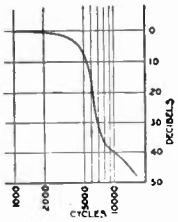
INTERSTAGE FILTER CONNECTIONS



TYPICAL BPI CURVE



TYPICAL HPI CURVE



TYPICAL LPI CURVE

Case for interstage filters same as HQB illustrated on preceding page.

Interstage filters lend themselves to effecting gain simultaneously with their frequency discrimination. UTC manufactures three basic types of filters for such application with a nominal impedance of 10,000 ohms to be used in a circuit as illustrated.

Type **BPI (band pass), LPI (low pass), and HPI (high pass)** interstage filters are not carried in stock, but are available from standardized designs and components. They are available for any frequency from 200 to 10,000 cycles. Order by type followed by frequency as: LPI-2500, which designates a low pass filter—2500 cycles cutoff frequency. For low impedance circuits (500/600 ohms), order as BPL, LPL or HPL in similar manner. Output of BPL is to grid; LPL and HPL to 500/600 ohms.

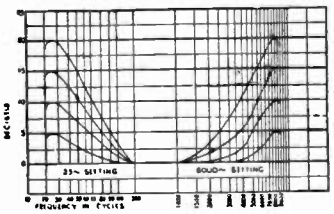
All interstage filters are housed in **hermetically sealed cases** identical in dimensions to HQB, but cutout is $\frac{5}{8} \times 2$ inches. Dual alloy shielding reduces hum pickup to 150 MV per gauss at 60 cycles.

BPI units have 2:1 gain. They are sharply peaked, having approximately 2 DB attenuation at plus or minus 3% from mean frequency and attenuations of approximately 40 DB per octave. They are adjusted to zero phase shift at mean frequency.
HPI units have loss of less than 6 DB at cutoff frequency. At .67 cutoff frequency the attenuation is 35 DB and at .5 cutoff frequency, 40 DB.

LPI units have loss of less than 6 DB at cutoff frequency. At 1.5 cutoff frequency the attenuation is 35 DB and at twice cutoff frequency, 40 DB.

BROADCAST AND RECORDING EQUALIZERS AND FILTERS

500/600 ohms


TYPICAL CURVES OBTAINABLE WITH 3A OR 3AX EQUALIZER

3AX UNIVERSAL EQUALIZER

The universal characteristics of the **UTC 3AX** equalizer have made it the most popular item for broadcast and recording equalization. This unique unit, with which most communications engineers are already familiar, is an accurately calibrated, quickly adjustable, combined low and high frequency equalizer. The low frequency controls include a switch for adjusting the maximum equalization frequency to **25, 50, or 100 cycles** and a calibrated T-pad for exact adjustment of the amount of equalization. The high frequency portion of this unit includes a switch to set maximum equalization point at **4000, 6000, 8000, 10,000 or 15,000 cycles,** and a similar calibrated control reading directly in DB. **Equalization up to 25 DB** available at any frequency selected.

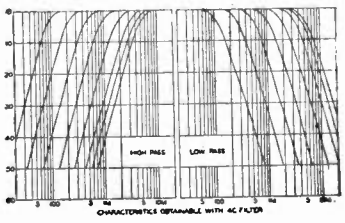
Through a unique arrangement of compensating pads, changes in adjustment of the 3AX equalizer do not affect the insertion loss (50 DB). This permits rapid changes in tone color, with negligible change in volume. Where rapid change-over is required in service from one line to another, or from recording to play back, it is merely necessary to predetermine the required setting. The actual adjustment of the controls can be taken care of almost instantaneously. The construction is of the depressed chassis, etched panel, rack mount type. Thoroughly shielded against inductive pickup with UTC Trialloy Shielding. Dimensions of panel 3½" x 19". Depth 7½". Weight 15 lbs.

3A UNIVERSAL EQUALIZER

The 3A equalizer is identical to the 3AX described above, except that it does not incorporate the compensating pads for constant insertion loss. The insertion loss is roughly proportional to the amount of equalization employed. All other characteristics identical with the 3AX unit, this item weighs 10 lbs.

4C SOUND EFFECTS FILTER

The use of filters to obtain unusual sound effects is now finding wide application in broadcast technique. The **Model 4C Filter** was originally developed for one of the large broadcast chains, and is now used extensively by most broadcast stations. Two controls are provided on the 5¼" x 19" panel, which is similar in appearance to the 3AX unit. The weight of the 4C unit is 20 lbs.



CHARACTERISTICS OBTAINABLE WITH 4C FILTER

The **low pass** switch can be set for cutoff frequencies of **100, 250, 500, 1000, 2000, 3000, 4000, or 5000 cycles.** The **high pass** switch has identical frequency points. The great number of cutoff frequencies provides for a wide latitude of tone control. If desired, though not normally necessary, external potentiometers may be inserted in the circuit for attenuation control.

5A BOOST-DROP EQUALIZER

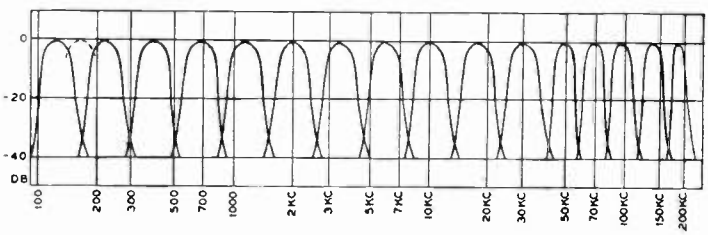
The **5A** equalizer, ideal for recording and reproduction, incorporates the 3A equalizer with control for drooping highs and lows where required. Up to **15 DB** attenuation can be effected **at 25, 50, or 100 cycles** for the low end and **4000, 6000, 8000, or 10,000 cycles** for the high end.

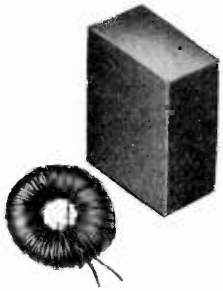
(Refer to Page N-37 for UTC Prices)

UTC CUSTOM TOROID COIL FILTERS

UTC manufactures permalloy dust toroid filters for all applications. The stability of the inductors plus precision adjustment makes these filters ideal for all critical applications in the audio, carrier, and supersonic fields.

The curve illustrated shows a group of filters affording sixteen separate bands in the audio and supersonic region with 35 DB attenuation at the cross-over points. These have also been supplied spaced further apart (40 DB cross-over), with intermediate bands, permitting flat top band pass action for any selected range from 100 cycles to 200 KC.



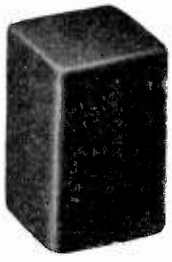


SUB-OUNCER PERMALLOY DUST TOROIDS

Weight ½ ounce uncased .8 ounce hermetically sealed. These miniatured HQE coils have characteristics similar to our standard HQA, C, and D coils with little reduction in Q considering minute size.

SUB-OUNCER TOROID FILTERS

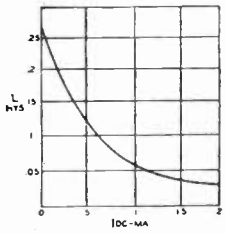
Filters employing SUB-OUNCER toroids and special condensers represent the optimum in stable miniaturized filter performance. The unit shown... 1 x 1 x 2... employs 5 coils and 6 condensers for a complete band pass filter... weight 6 ounces.

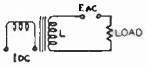


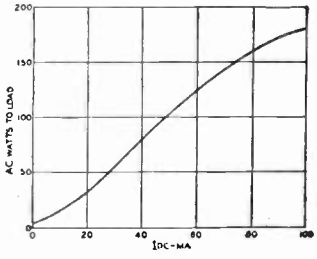
UTC SATURABLE REACTORS

Saturable reactors are used extensively for both power control and phase control. The left curve is that of a small (1" cube) sensitive unit indicating the variation of inductance with saturating DC. The right curve is that of a moderate size power control reactor indicating power to the load with saturating DC.

These units are supplied to customer's specifications only... for all applications.

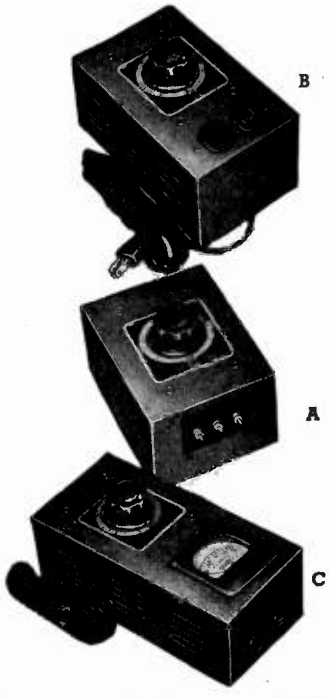






UTC VARITRAN CONTROL UNITS

For controlling: Rectifier output . . . motors . . . heaters . . . lights . . . line voltage



The UTC Varitran is a simple autotransformer whose turns are arranged on one layer with the insulation removed so that every exposed turn may be used as a tap of the winding. A special non-fusing contact can be moved to any position on the winding, permitting the exact voltage desired to be obtained. The regulation and efficiency are excellent and no distortion of wave form occurs. The output voltage is independent of load. In addition to its many laboratory uses, the Varitran is widely employed for controlling electric ovens, fans, soldering irons, furnaces and heaters, for photographic and enlarging lighting control, for life tests of lamps and for dimming illumination.

VARITRAN RATINGS

Standard Varitrans are designed for 115 or 230 volt service. The respective output voltages are 0-130 and 0-260 volts. The Varitran autotransformer current and wattage rating is based at 115 volts (115V. models). As the voltage is reduced, the wattage output is reduced correspondingly. The maximum current can be taken at any point from 0 to 20 volts and from 95 to 130 volts. Between 20 and 95 volts the current capacity tapers off from the two ends to approximately 60% of the rated maximum current at the 65 volt point. The mounting facilities are at both top and bottom of each unit to assure ease of mounting on panel, chassis or for laboratory bench service.

Type	Input Voltage	Output Voltage	Watts	Max. Amps.	Figure	Approx. Dimensions	Weight
V-0	115 volts	0-130	230	2	A	4¼ x 6½ x 4½	10
V-0-B	230 volts	0-260	230	1	A	4¼ x 6½ x 4½	11
V-1	115 volts	0-130	570	5	B	4⅞ x 8 x 3⅝	12
V-1-M	115 volts	0-130	570	5	C	4⅞ x 9⅞ x 3⅝	14
V-2	115 volts	0-130	570	5	A	4⅞ x 7½ x 3¾	13
V-2-B	230 volts	0-260	570	2.5	A	4⅞ x 7½ x 3¾	16
V-3	115 volts	0-130	850	7.5	A	4⅞ x 7½ x 3¾	16
V-3-B	230 volts	0-260	850	3.75	A	5½ x 7½ x 5½	20
V-4	115 volts	0-130	1250	11	A	6¼ x 10¾ x 5	34
V-4-B	230 volts	0-260	1250	5.5	A	6¼ x 10¾ x 5	36

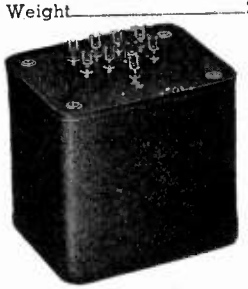
(Refer to Page N-37 for UTC Prices)

UTC HIPERM ALLOY TRANSFORMERS

The UTC Hiperm alloy audio and power transformers are specifically designed for portable and compact service. While light in weight, neither dependability nor fidelity has been sacrificed. The frequency characteristic of the Hiperm alloy audio units is uniform from 30 to 20,000 cycles. They incorporate a Hiperm-alloy nickel iron core and hum balanced coil structure. The rugged die cast case is of high conductivity alloy finished in grey, arranged for mounting with the terminals either up or down. DC in Prim'y shown is maximum unbalanced.

TYPE H-1 CASE

Length	2 3/8"
Width	1 15/16"
Height	3 1/8"
Mounting	1 3/8" x 1 13/16"
Screws	6-32
Cutout	1 13/16" dia.
Unit Weight	2 lbs.



TYPE H-2 CASE

Length	3 9/16"
Width	2 13/16"
Height	3 1/2"
Mounting	2" x 2 3/4"
Screws	8-32
Cutout	2 1/16" dia.
Unit Weight	5 lbs.

UTC MICROPHONE CABLE TRANSFORMERS

UTC MIKE/HIGH IMPEDANCE ADAPTOR

LOW IMPEDANCE TO GRID AND MIXING TRANSFORMERS

Type No.	Application	Primary Impedance	Secondary Impedance	± 1 db from	Max. Level	DC in Prim'y	Case No.
HA-100	Low impedance mike, pickup, or multiple line to grid	50, 125/150, 200, 250, 333, 500/600 ohms	60,000 ohms in two sections	30-20,000	+15 DB	.5 MA	H-1
HA-100X	Same as above but with tri-alloy internal shield to effect very low hum pickup	as above	as above				H-1
HA-101	Low impedance mike, pickup, or multiple line to push pull grids	50, 125/150, 200, 250, 333, 500/600 ohms	120,000 ohms overall, in two sections	30-20,000	+15 DB	.5 MA	H-1
HA-101X	As above but with tri-alloy internal shield to effect very low hum pickup	as above	80,000 ohms overall, in two sections				H-1
HA-103A	Low impedance mike, pickup, or parallel mixer to grid	2.5, 5.5, 10, 15, 22, 30, 38, 60 ohms	60,000 ohms in two sections	30-20,000	+15 DB	5 MA	H-1
HA-108	Mixing, low impedance mike, pickup, or multiple line	50, 125/150, 200, 250, 333, 500/600 ohms	50, 125/150, 200, 250, 333, 500/600 ohms	30-20,000	+15 DB	.5 MA	H-1
HA-108X	Same as above but with tri-alloy internal shield to effect very low hum pickup						H-1
HA-130X	Three isolated lines or pads to one or two grids with tri-alloy internal shield	30, 50, 200, 250 ohms each primary	60,000 ohms overall, in two sections	30-20,000	+15 DB	.5 MA	H-1

INTERSTAGE AUDIO TRANSFORMERS

Type No.	Application	Primary Impedance	Secondary Impedance	± 1 db from	Max. Level	DC in Prim'y	Case No.
HA-104	Single plate to P.P. grids like 2A3, 59, 6L6 (split secondary)	15,000 ohms	95,000 ohms 1.25:1	30-20,000	+17 DB	0 MA	H-1
HA-105	Single plate to single grid (split secondary)	15,000 ohms	60,000 ohms 2:1 turn ratio	30-20,000	+17 DB	0	H-1
HA-106	Single plate to push pull grids (split secondary)	15,000 ohms	135,000 ohms 3:1 ratio overall	30-20,000	+17 DB	0	H-1
HA-107	Push pull plates to push pull grids (split primary and secondary)	30,000 ohms plate to plate	80,000 ohms 1.6:1 turn ratio overall	30-20,000	+25 DB	.25 MA	H-2
HA-137	Push pull plates to push pull grids (split primary and secondary)	30,000 ohms plate to plate	68,000 ohms 1.5:1 turn ratio overall	30-20,000	+17 DB	0	H-1

PLATE AND CRYSTAL TO LINE TRANSFORMERS

Type No.	Application	Primary Impedance	Secondary Impedance	± 1 db from	Max. Level	DC in Primary	Case No.
HA-111	Crystal microphone or pickup, to multiple line	100,000 ohms	50, 125/150, 200, 250, 333, 500/600 ohms	30-20,000 measured with resistive source	+ 4 DB	0	H-1
HA-113	Single plate to multiple line	15,000 ohms	50, 125/150, 200, 250, 333, 500/600 ohms	30-20,000	+18 DB	0 MA	H-1
HA-133	Single plate to multiple line (D.C. in Pri.)	15,000 ohms	50, 125/150, 200, 250, 333, 500/600 ohms	30-20,000	+18 DB	8 MA	H-1
HA-114	Push pull low level plates to multiple line	30,000 ohms plate to plate	50, 125/150, 200, 250, 333, 500/600 ohms	30-20,000	+20 DB	1 MA	H-1
HA-134	Push pull 89's or 2A3's to line	5,000/9400 ohms plate to plate	50, 125/150, 200, 250, 333, 500/600 ohms	30-20,000	+32 DB	5 MA	H-2
HA-135	Push pull 2A3's to voice coil	5,000 ohms plate to plate	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	30-20,000	+36 DB	5 MA	H-2

POWER TRANSFORMERS AND CHOKES

Type No.	Application	Primary Voltage 50/60 cycles	High Voltage	Filament Windings	Case No.
HP-122	Pre-amp. power supply using 84 rectifier	115	220-0-220 15 MA	6.3 V.C.T.-.5A 6.3 V.C.T.-1.2A	H-1
HP-123	Pre-amp. or tuner power supply using 84 rectifier	115	275-0-275 35 MA	6.3 V.C.T.-.5A 6.3 V.C.T.-2A	H-2

Type No.	Application	Inductance	DC Current	DC Resistance	Insulation Test Voltage	Case No.
HC-115	Parallel feed and filter choke	Series-400 hy Parallel-100 hy	2.5 MA 5 MA	7000 ohms 1750 ohms	1500	H-1
HC-116	Parallel feed and filter choke	Series-600 hy Parallel-150 hy	8 MA 16 MA	4000 ohms 1000 ohms	1500	H-2
HC-117	Filter choke with hum bucking tap	60 hy	15 MA	3000 ohms	1500	H-1

UTC MICROPHONE CABLE TRANSFORMERS

UTC cable transformers are designed to be inserted in the cable circuit, and are ruggedly constructed to withstand mechanical abuse. The cable connections (supplied less cable) are made through spring strain relief to terminal boards inside the end caps. 1½" diameter ... 2½" long ... ½ lb.

Type MC-1—primary tapped 30/50 and 200/250 ohms, secondary to grid, standard fidelity.
Type MC-2—primary tapped 30/50 and 200/250 ohms, secondary to grid, high fidelity.

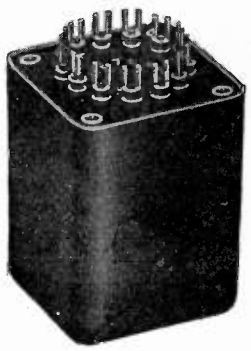
UTC MIKE/HIGH IMPEDANCE ADAPTOR is designed to match low impedance sources to an amplifier having high impedance input. Will match any source from 50 to 600 ohms, effecting a 15:1 step up ratio (225:1 impedance ratio). The plug on MA-1 goes into jack on amplifier ... the plug from mike goes into jack on MA-1. Flat 40-10,000 cycles. Rugged die casting 7/8 x 1 1/8 x 2 1/8.
Type MA-1—primary 50 to 500 ohms ... 15.1 ratio ... jack input ... plug output.

(Refer to Page N-37 for UTC Prices)

ULTRA COMPACT AUDIO UNITS

The UTC Ultra compact audio units are small and light in weight, ideally suited to remote amplifier and similar compact equipment. High fidelity is obtainable in all individual units, the frequency response being ± 2 DB from 30 to 20,000 cycles.

All units except those carrying DC in Primary employ a true hum balancing coil structure, which combined with a high conductivity outer case, effects good inductive shielding. The die-cast (Type A) case provides for top or bottom mounting Maximum operating level + 10 DB.



Type No.	Application	Primary Impedance	Secondary Impedance	± 2 db from
A-10	Low impedance mike, pickup, or multiple line to grid	50, 125/150, 200/250, 333, 500/600 ohms	50,000 ohms	30-20,000
A-11	Low impedance mike, pickup, or line to 1 or 2 grids	50, 200, 500	50,000 ohms	50-20,000 multiple alloy shield for extremely low hum pickup
A-12	Low impedance mike, pickup, or multiple line to push pull grids	50, 125/150, 200/250, 333, 500/600 ohms	80,000 ohms overall, in two sections	30-20,000
A-14	Dynamic, microphone to one or two grids	30 ohms	50,000 ohms overall, in two sections	30-20,000
A-16	Single plate to single grid	15,000 ohms	60,000 ohms, 2:1 turn ratio	30-20,000
A-18	Single plate to two grids. Split primary, can also be used for P.P. plates	15,000 ohms	80,000 ohms overall, 2.3:1 turn ratio overall	30-20,000
A-19	Single plate to two grids 8 MA unbalanced D.C.	15,000 ohms	80,000 ohms overall, 2.3:1 turn ratio overall	50-20,000
A-20	Mixing, low impedance mike, pickup, or multiple line to multiple line	50, 125/150, 200/250, 333, 500/600 ohms	50, 125/150, 200/250, 333, 500/600 ohms	30-20,000
A-21	Mixing, low impedance mike, pickup or line to line	50, 200/250, 500/600	50, 200/250, 500/600	50-20,000 multiple alloy shield for extremely low hum pickup
A-24	Single plate to multiple line	15,000 ohms	50, 125/150, 200/250, 333, 500/600 ohms	30-20,000
A-25	Single plate to multiple line 8 MA unbalanced D.C.	15,000 ohms	50, 125/150, 200/250, 333, 500/600 ohms	50-20,000
A-26	Push pull low level plates to multiple line	30,000 ohms plate to plate	50, 125/150, 200/250, 333, 500/600 ohms	30-20,000
A-27	Crystal microphone to multiple line	100,000 ohms	50, 125/150, 200/250, 333, 500/600 ohms	30-20,000 measured with non-inductive source
A-30	Audio choke, 300 henrys @ 2 MA 6000 ohms D.C., 75 henrys @ 4 MA 1500 ohms D.C., inductance with no D.C. 450 henrys			

TYPE A CASE

Length	1½"
Width	1½
Height	2"
Mounting	$1\frac{5}{32}$" sq.
Screws	4-40
Cutout	1⅜" dia.
Unit Weight	½ lb.

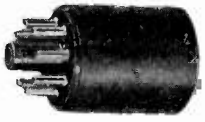
A-31 ORIENTATION MOUNT. Type A-31 adaptor is a unique facility which permits rotating any ultra-compact unit after installation. 360 degrees in the horizontal plane and 40 degrees in the vertical plane can be effected. Consists of die-cast cap which fastens to terminal board side of A unit and incorporates lockable swivel joint which requires one ¾ hole for mounting.

OUNCER AUDIO UNITS

OUNCER Type No.	Application	Pri. Imp.	Sec. Imp.	"P" MG-1" Type No.
O-1	Mike, pickup or line to 1 grid	50, 200/250, 500/600	50,000	P-1
O-2	Mike, pickup or line to 2 grids	50, 200/250, 500/600	50,000	P-2
O-3	Dynamic mike to 1 grid	7.5/30	50,000	P-3
O-4	Single plate to 1 grid	15,000	60,000	P-4
O-5	Single plate to 1 grid, D.C. in Pri.	15,000	60,000	P-5
O-6	Single plate to 2 grids	15,000	95,000	P-6
O-7	Single plate to 2 grids, D.C. in Pri.	15,000	95,000	P-7
O-8	Single plate to line	15,000	50, 200/250, 500/600	P-8
O-9	Single plate to line, D.C. in Pri.	15,000	50, 200/250, 500/600	P-9
O-10	Push pull plates to line	30,000 ohms plate to plate	50, 200/250, 500/600	P-10
O-11	Crystal mike or pick-up to line	50,000	50, 200/250, 500/600	P-11
O-12	Mixing and matching	50,200/250	50, 200/250, 500/600	P-12
O-13	Reactor, 200 Hys.—no D.C.; 50 Hys.—2MA. D.C., 6000 ohms			P-13.
O-14	50:1 mike or line to 1 grid	200	½ megohm	P-14
O-15	10:1 single plate to 1 grid	15,000	1 megohm	P-15

OUNCER CASE

Diameter	⅞"
Height	1⅛"
Mounting	$1\frac{1}{16}$"
Screws	2-56



PLUG-IN (P) CASE

Diameter	$1\frac{3}{32}$"
Height	$1\frac{15}{32}$"
Socket	Standard Octal

UTC OUNCER components represent the acme in compact quality transformers. These units, which weigh one ounce, are fully impregnated and sealed in a drawn aluminum housing ⅞" diameter . . . mounting opposite terminal board.

Ouncer items are ideal for portable broadcast, hearing aid, aircraft, concealed service, and similar applications. High fidelity characteristics are provided, uniform from 40 to 15,000 cycles, except for O-14, O-15, and units carrying DC which are intended for voice frequencies from 150 to 4,000 cycles. Maximum operating level 0DB.

"P" series units are identical to the UTC OUNCER units but are sealed in bakelite housings with plug in base to fit standard octal socket. While of submersion proof design, these units weigh but two ounces. Oversize pins in the base make it impossible to dislodge these units from their sockets, even when used upside down in portable equipment.

SUBOUNCER UNITS

FOR HEARING AIDS . . . VEST POCKET RADIOS . . . MIDGET DEVICES

UTC Sub-Ouncer units weigh only ⅓ ounce. Through unique construction, however, these miniature units have performance and dependability characteristics far superior to any other comparable items. The coil is uniform layer wound of Formex wire . . . On a molded nylon bobbin . . . insulation is of cellulose acetate . . . leads mechanically anchored . . . core material Hiperm-alloy . . . entire unit triple (waterproof) sealed. The frequency response of these standard items is ± 3 DB from 200 to 5,000 cycles.

Type	Application	Level	Pri. Imp.	D.C. in Pri.	Sec. Imp.
SO-1*	Input	+ 4 V.U.	200 50	0	250,000 62,500
SO-2	Interstage/3:1	+ 4 V.U.	10,000	0	90,000
SO-3*	Plate to Line	+ 23 V.U.	10,000 25,000	3 mil. 1.5 mil.	200 500
SO-4	Output	+ 20 V.U.	30,000	1.0 mil.	50
SO-5	Reactor 50 HY at 1 mil. D.C. 3000 ohms D.C. Res.				

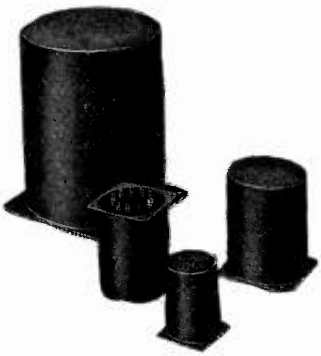
* Impedance ratio fixed. Can be employed with any primary impedance between values shown.

SUB-OUNCER UNIT

Dimensions	9/16" x ⅝" x ⅞"
Weight	⅓ oz.

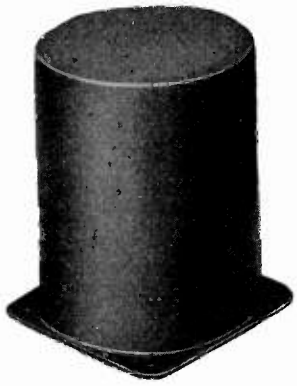
(Refer to Page N-37 for UTC Prices)

UTC COMMERCIAL GRADE COMPONENTS



The commercial grade series of transformers incorporate conservative design and rugged construction to assure dependability under continuous service operation in industrial and commercial grade communication equipment. These units are mounted in uniform drawn cases finished in light grey enamel, and intended for chassis mounting. All items are poured with special sealing compound in addition to vacuum impregnation of coil structures. The CG line was developed to replace our very popular PA series in a more rugged construction, with professional appearance. Type numbers are identical with the PA units except for the prefix "CG".

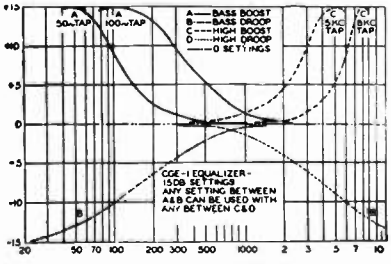
CG-134, 135 and 136 are of the hum-bucking type to assure low hum pick-up. All audio components are linear. ±1½ DB from 60 to 8,500 cycles (no unbalanced D.C.). Parallel feed low level interstage units with 50,000 ohms and .25 mfd. 200 ohm windings on input transformers are balanced and may be used for 250 ohm circuits.



INPUT, INTERSTAGE, MIXING AND LOW LEVEL OUTPUT TRANSFORMERS

(200 ohm windings are balanced and can be used for 250 ohms)

Type No.	Application	Primary Impedance Ohms	Secondary Impedance Ohms	Case No.
CG-131	1 plate to 1 grid	15,000	135,000 3:1 ratio	RC-50
CG-132	1 plate to 2 grids	15,000	135,000 centertapped 3:1 ratio overall	RC-62
CG-133	2 plates to 2 grids	30,000 P to P	80,000 overall 1.6:1 ratio overall	RC-75
CG-134	Line to 1 grid hum-bucking	50, 200, 500	80,000	RC-50
CG-135	Line to 2 grids hum-bucking	50, 200, 500	120,000 overall	RC-50
CG-235	Line to 1 or 2 grids, hum-bucking; multiple alloy shielded for low hum pickup	50, 200, 500 ohms	80,000 overall	RC-75
CG-136	Single plate and low impedance mike or line to 1 or 2 grids, hum-bucking	15,000, 50, 200	80,000 overall	RC-62
CG-233	PP 6C5, 56, similar triodes to AB 45's, 2A3's, 6L6's, etc.	30,000 P to P	25,000 overall .9:1 ratio overall	RC-87
CG-333	PP 6C5, 56, similar triodes to fixed bias 6L6's	30,000 P to P	7,500 overall .5:1 ratio overall	RC-87
CG-433	PP 45, 2A3, similar tubes to fixed bias 2 or 4 6L6's	5,000 P to P	1,250 overall .4:1 ratio overall	RC-100
CG-137	Mixing	50, 200, 500	50, 200, 500	RC-50
CG-140	Triode plate to line	15,000	50, 200, 500	RC-50
CG-141	PP triode plates to line	30,000 P to P	50, 200, 500	RC-50



Ask for free detailed manual.

UNIVERSAL INTERSTAGE EQUALIZER

This new UTC unit is the ideal device for any application requiring frequency response correction. Designed to be connected between two triode audio stages or will match a high impedance (5000 to 30000 ohms) source to grid.

The CGE-1 equalizer is not a simple R-C tone control, but employs resonant circuits to permit low or high end equalization without effecting mid-frequencies. With controls in center, no equalization is effected. Moving one control to left increases bass; to right, drops bass. Moving other control to left increases highs; to right drops highs. Controls are independent so that bass may be raised and highs dropped simultaneously, etc Amount of equalization is continuously adjustable, up to 15 DB. The insertion loss effected is equal to the combined low frequency and high frequency settings plus 6 DB, or a maximum of 36 DB. Unless existent gain of equipment to which CGE-1 is added is high, an additional audio stage may be required.

This unit comes complete so that controls with etched panel (calibrated in DB) can be mounted on a chassis (2½ inch minimum) or a panel with case containing the electrical elements held by etched panel screws.

CGE-1 Panel Dim. 2⅜ x 4. Wt. 2 Lb.

DYNAMIC NOISE SUPPRESSION INDUCTOR

Incorporates two accurate High Q coils (.8 hy. and 2.4 hy.) for use in dynamic noise suppression circuits. Excellent circuit accompanies unit. Type CG-50. RC-75 Case.

COMMERCIAL GRADE CASE

Case No.	Base Dim. (Sq.)	Mounting Dim. (Sq.)	Height	Cutout Dia.	Unit Weight (Lbs.)
RC-50	1⅝	1-5/16	2¼	1⅛	½
RC-62	1-13/16	1½	2½	1½	¾
RC-75	2-3/16	1-13/16	2⅞	1½	1½
RC-87	2-9/16	2-3/32	3¼	2	2
RC-100	3	2⅝	3¾	2	3
RC-112	3-7/16	2-11/16	4⅛	3	4½
RC-125	3¾	3	4⅛	3	5½
RC-150	4½	3-9/16	5½	3	10
RC-152	5⅛	4⅛	5½	4	15
RC-175	5¾	4⅞	7⅛	4	20

OUTPUT TRANSFORMERS

Secondary Impedances: 500, 200, 70, 16, 8, 5, 3, 1.5 ohms

Type No.	Imped. P.P. Ohms, Overall	Typical Tubes	Max. Watts	Case No.
CG-15	8,000	45, 48, 6F6 triode	20	RC-100
CG-16	3,000/5,000	2A3, 6A3, 48, 6B4	20	RC-100
CG-19	6,000/10,000	6N7, 6A6, 6F6, 89, 46, 6V6	20	RC-100
CG-710	14,000/20,000	41, 42, 47, 49, 6K6, 7B5	20	RC-100
CG-2L6	9,000	6L6's, AB1	30	RC-125
CG-4L6	3,800/4,500	2-6L6's, AB1 or 4-6L6's AB1	55	RC-150

CG VARIMATCH OUTPUTS FOR P. A.

Universal units designed to match **any** tube's within the rated output power, to line or voice coil. Output impedance 500 200, 50, 16, 8, 5, 3, 1.5 ohms. Primary impedance 3000, 5000, 6000, 7000, 8000, 10,000, 14,000 ohms

Case No.	Audio Watts	Typical Tubes	Case No.
CVP-1	12	42, 43, 45, 47, 2A3, 6A6, 6F6, 25L6	RC-100
CVP-2	30	42, 45, 2A3, 6L6, 6V6, 6B5	RC-125
CVP-3	60	46's, 50's, 300A's, 6L6's, 801, 807	RC-150
CVP-4	125	800's, 801's, 807's, 4-6L6's, 845's	RC-152
CVP-5	300	211, 242A's, 203A's, 838's, 4-845's, ZB-120's	RC-175

CG VARIMATCH LINE TO VOICE COIL TRANSFORMERS

The UTC VARIMATCH line to voice coil transformers will match any voice coil or group of voice coils to a 500 ohm line. More than 50 voice coil combinations can be obtained, as follows:

.2, .4, .5, .62, 1, 1.25, 1.5, 2, 2.5, 3, 3.3, 3.8, 4, 4.5, 5, 5.5, 6, 6.25, 6.6, 7, 7.5, 8, 9, 10, 11, 12, 14, 15, 16, 18, 20, 25, 28, 30, 31, 40, 47, 50, 63, 69, 75.

Where speakers are to be connected in groups to one transformer, it is preferable that parallel connection be used to eliminate the possibility of multiple resonance. If two speakers of different impedances are connected in parallel, the lower impedance speaker will develop greater power. If connected in series, the higher impedance speaker will develop greater power.

Type No.	Audio Watts	Primary Impedance	Secondary Impedance	Case No.
CVL-1	15	500 ohms	.2 to 75 ohms	RC-87
CVL-2	40	500 ohms	.2 to 75 ohms	RC-125
CVL-3	75	500 ohms	.2 to 75 ohms	RC-150

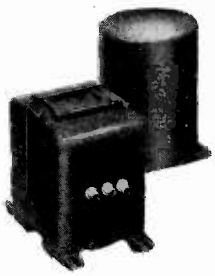
CG VARIMATCH LINE AUTOFORMERS

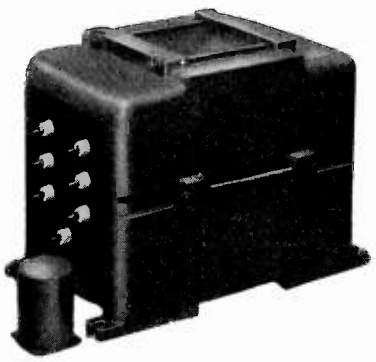
UTC Varimatch Line Autoformer will match one to ten 500 ohm lines or CGL windings to the 500 ohm output of an audio amplifier. The CGA-10 to 12 autoformers have impedances of 500, 250, 167, 125, 100, 83, 71, 62, 50 ohms.

Type No.	Audio Watts	Case No.
CVL-10	15	RC-87
CVL-11	30	RC-125
CVL-12	60	RC-150

(Refer to Page N-37 for UTC Prices)

COMMERCIAL GRADE COMPONENTS





UTC CG power transformers, Varimatch units and chokes are designed to A.I.E.E. commercial standards. Ratings are conservative for continuous duty. Designs provide temperature rise less than 55 degrees C. Units are tested for breakdown at twice maximum working voltage plus 1000 volts. Plate transformers are given a surge test of 250% normal voltage at 200 cycles. All items are vacuum impregnated and sealed with special insulating compound.

The conservative design and manufacturing procedure of these units make them suitable for virtually all types of commercial equipment as well as ideally suited for quality amateur and public address service.

CG VARIMATCH MODULATION UNITS

Will match any modulator tubes to any RF load.

The ever increasing number of vacuum tubes available for audio and RF applications has increased the difficulty of obtaining transformers suitable for matching to the various correct tube loads. If a standard transformer having a limited impedance range is purchased and used for a specific purpose as the "nearest thing" available, comparatively high distortion is inevitable. While a 20% mismatch caused by such an occurrence does not represent a serious loss in power, it greatly reduces the undistorted power available from a class B modulator because optimum plate load is not reflected to the tubes. The UTC Varimatch transformer eliminates this difficulty through the use of a combination of tapped windings affording an extremely wide range in impedance matching. Designs provide that for any load impedance employed, full class C plate current can be carried by secondary winding.

Primary impedances from 500 to 20,000 ohms
Secondary impedances from 30,000 to 300 ohms

Type No.	Max. Audio Watts	Max. Class C Input	Typical Modulator Tubes	Case No.
CVM-0	12	25	30, 49, 79, 6A6, 53, 2A3, 6B5	RC-100
CVM-1	30	60	6V6, 6B5, 2A3, 42, 46, 6L6, 210	RC-125
CVM-2	60	125	801, 6L6, 809, 4-46, T-20, 1608	RC-150
CVM-3	125	250	800, 807, 845, TZ-20, RK-30, 35-T	RC-152
CVM-4	300	600	50-T, 203A, 805, 838, T-55, ZB-120	RC-175
CVM-5	600	1200	805, HF-300, 204A, HK-354, 250TH	7x12x9H 60 lbs.

CG VARIMATCH DRIVER TRANSFORMERS

Type No.	Primary	Typical Output Tubes	Case No.
CG-51AX	All single tubes like: 6C5, 30, 49, 53, 79, 89, 6A6, 45, 46, 6L6, 42, 59	19, 30, 49, 79, 89, 2A3, 45, 46, 6L6, 42, 59	RC-87
CG-53AX	P. P. tube like: 45, 59, 2A3, 6I5, 6L6	46, 4-46, 841, 210, 801, RK-18, 800, 203A, 838, 805, 50T, 830B	RC-112
CG-59AX	50, 200, 500 ohm line	805, 838, 203A, ZB-120, 100TH, 800, 55T, RK-18	RC-112
CG-238AX	4-2A3, 4-45, 4-50, 2-211A, 2-845	4-805's, 4-838's, 4-203A's, 2-204's, 2-849's, 2-HF300's, 2-HF200's, 2-250TH's, 2-450TH's	RC-150
CG-512	50, 200, 500 ohm line	2-250TH, 2-450TH, 2-HF200, 2-HF300, 2-204A, 2-849	RC-150

VARIPOWER AUTO-FORMERS

Designed for line voltage control, filament control and reduced power operation. Output voltage from 0 to 130 volts, 50/60 cycles. Varipower units permit control of filament voltage as the tube socket to within 2½% of desired value simultaneously with line voltage control and plate voltage control. Can be used to reduce or increase voltages on filament transformers. Taps at 25, 55, 75, 95, 100, 105, 110, 115, 120, 125 and 130 volts permit output voltages from 0 to 130 volts in 5 volt steps.

Type No.	Watts Output	Case No.
CVA-1	150	RC-112
CVA-2	250	RC-125
CVA-3	500	RC-150
CVA-4	1000	RC-152
CVA-5	2000	RC-175

POWER AND BIAS TRANSFORMERS

Primary 115 volts 50/60 cycles

Type No.	High Voltage	DC MA.	Fil. 1	Fil. 2	Fil. 3	Fil. 4	Case No.
CG-422	435-365-0-365-435 125-0-125	125 25	5V-3A	5V-2A	6.3 VCT-3A	2.5 VCT-5A	RC-150
CG-428	500-0-500 80-0-80	250 100	5V-3A	5V-2A	6.3 VCT-4A	6.3 VCT-3A, tapped 2.5 VCT-3A	RC-152
CG-429	600-525-0-525-600	250	5V-3A	6.3 VCT-3-A	7.5 VCT-3A, tapped 6.3 VCT-3A		RC-152
CG-431	500-400-0-400-500 80-0-80	500 100	5V-3A	5V-2A	6.3 VCT-5A	6.3 VCT-3A	RC-175
CG-315	Tapped for any DC voltage from 15 to 100 volts within 6% — 250 MA						RC-125
CG-316	Tapped for any DC voltage from 75 to 400 volts within 6% — 250 MA						RC-152

CG PLATE TRANSFORMERS

Primaries for 105, 115, 220, 230 volts, 50/60 cycles. For reduced power, secondary voltages can be reduced to half by using 220V. Pri. on 110 volts. These transformers may be used on 25 to 43 cycles if 220V Pri. is used on 110 volts. Secondary voltage is simultaneously halved.

Type No.	High Voltage	DC Voltage	DC MA	Case No.
CG-300	625-515-0-515-625	500/400	200	RC-150
CG-301	580-530-300-0-300-530-580	475/425/250	420	RC-152
CG-302	950-750-0-750-950	760/610	360	RC-175
CG-303	1500-1235-400-0-400-1235-1500	1250/1000 300	260 175	RC-175

TYPE EC CASE UNITS

Type No.	High Voltage	DC Voltage	DC MA	L	W	H	Wt. Lbs.
CG-304	1500-1235-0-1235-1500	1250/1000	800	15	8½	10⅝	100
CG-305	2400-1750-0-1750-2400	2000/1500	300	10½	4¾	6⅞	50
CG-306	2400-1750-0-1750-2400	2000/1500	500	15	8½	10⅝	100
CG-307	3500-3000-2400-0-2400-3000-3500	3000/2500 2000	300	14½	8½	10⅝	90
CG-308	3500-3000-2400-0-2400-3000-3500	3000/2500 2000	500	16½	8½	10⅝	125
CG-309	3500-3000-2400-0-2400-3000-3500	3000/2500 2000	1000	21	10	13¼	185
CG-310	4600-4050-3500-0-3500-4050-4600	4000/3500 3000	600	19	10	13¼	150
CG-311	1500-1235-0-1235-1500	1250/1000	500	10½	4¾	6⅞	50
CG-312	1800-1500-0-1500-1800	1500/1250	400	10½	4¾	6⅞	50

FILTER CHOKES

INDUCTANCE SHOWN IS AT RATED DC MA

Type No.	Inductance Henrys	DC MA	DC Res. Ohms	Test Volts	Case No.
CG-40	10	200	110	1750	RC-112
CG-41	4-20	200	110	1750	RC-112
CG-44	30	100	400	1750	RC-100
CG-45	250	15	5000	1750	RC-87
CG-48C	75	50	2500	1750	RC-87
CG-100	12	150	120	2500	RC-125
CG-102	12	250	105	3000	RC-150
CG-104	10	350	90	5000	RC-152
CG-108	10	500	55	7000	RC-175
CG-1S	10	1000	45	9000	11½x4¾x 6⅞ H, 60 lb.

SWINGING INPUT CHOKES

INDUCTANCE SHOWN IS FROM 100% TO 10% OF RATED DC MA

Type No.	Inductance Henrys	DC MA	DC Res. Ohms	Test Volts	Case No.
CG-101	5-25	150	120	2500	RC-125
CG-103	5-25	250	105	3000	RC-150
CG-105	5-25	350	90	5000	RC-152
CG-109	5-25	500	55	7000	RC-175
CG-1C	5-25	1000	45	9000	11½x4¾x 6⅞ H, 60 lb.

FILAMENT TRANSFORMERS

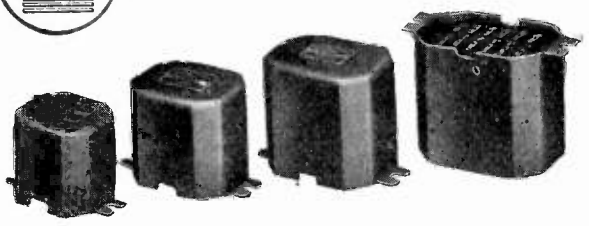
Primary for 105, 115, 220, 230 volts, 50/60 cycles. These transformers may be used on 25 to 43 cycles if 220 volt primary is used on 110 volts. Secondary voltage is simultaneously reduced to half.

* Two Windings.

Type No.	Sec. Volts C. T.	Sec. Amps.	Working Voltage	Test Voltage	Case No.
CG-34	2½	10	2500	6000	RC-112
CG-120	2½	10	5000	17000	RC-125
CG-121	5	22	5000	11000	RC-150
CG-122	7.5/6.3	10	1500	4000	RC-125
CG-124	10	10	1500	4000	RC-150
CG-125	14/12/11	10	1500	4000	RC-150
CG-126	*14/11/10 14/11/10	10 10	1500	4000	RC-152

(Refer to Page N-37 for UTC Prices)

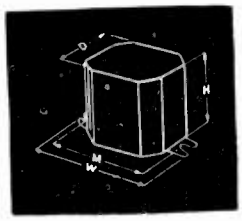
SPECIAL SERIES AUDIO TRANSFORMERS



UTC Special Series transformers are specifically designed for amateur and popular-priced PA service. The Special units are finished in a rich, commercial type medium gray enamel. A recessed terminal strip is provided permitting above chassis or breadboard wiring in addition to standard chassis type wiring. The universal windings provided on driver, matching and output transformers assure a maximum of flexibility. Modulator output units will carry the DC current of the class C stage for any of the impedances available and will match practically any audio tubes to any RF load within the power rating of the transformer. Large components are housed in formed cases with top or bottom mounting. All units are vacuum impregnated — compound filled

CASE SIZES

Type No.	H	W	D	M	Wt. Lbs.
G-1	1⅞	2-13/16	1¾	2⅜	1
G-2	2-5/16	3⅜	1-15/16	2⅞	1½
G-3	2½	3¾	2-5/32	3¼	2
G-4	2-15/16	4⅛	2-5/16	3⅝	3



CLASS A INPUT TRANSFORMERS

Type No.	Application	Ratio	Case
S-1	1 plate* to 1 grid	3½:1	G-2
S-2	1 plate* to 2 grids	2:1 4:1	G-2
S-3	1 plate* to 1 or 2 grids compact type	2:1	G-1
S-4	1 plate* to 2 grids wide range response	1:1	G-3
S-5	Single or double button mike or line to 1 grid hum-bucking type	16:1	G-2
S-6	Single or double button mike or line to 1 grid, compact type	16:1	G-1
S-7	Single plate* and carbon mike to one or two grids	3:1 16:1	G-2

* Will match tubes like 56, 6C5, 6C6 triode, 77 triode, 37 etc. Can be used with high mu triodes with loss in low frequencies.

UNIVERSAL DRIVER TRANSFORMERS
(See Modulator chart for tube types)

Type No.	Application	Case
S-8	Single driver plate to pushpull grids	G-3
S-9	Pushpull driver plates to grids of class B tubes up to 400 watts output	G-4
S-10	Pushpull 56, 6C6 triode, 6C5, or similar plates to 45's, 2A3's or 6L6's, self of fixed bias.	G-3

MATCHING TRANSFORMERS

Type No.	Application	Pri. Ohms	Sec. Ohms	Case
S-11	Single 56, 6C6 triode, 6C5 or similar tube to line.	15,000	200/500	G-2
S-12	Line to speaker 15 watts.	500, 2000, 4000	2, 4, 8, 15	G-2
S-13	Line to speaker 30 watts.	500, 2000, 4000	2, 4, 8, 15	G-4

UNIVERSAL OUTPUT TRANSFORMERS TO LINE AND VOICE COIL
(Secondary Impedances: 500, 15, 8, 2 ohms)

Type No. Max. Watts	Primary Impedance	Typical Tubes	Class	Case
S-14 10 W.	Single Tubes: 2500 ohms	2A3, 6A3, 6A5, 6B4, 6L6, 6Y6, 25L6, 35L6	A	G-2
	4000 ohms	31, 43, 45, 48, 6V6, 12A5, 12A6	A	
	7000 ohms	33, 47, 42, 47, 59, 89, 2A5, 6AC5, 6F6, 6K6, 6N6, 7B5	A	
	10,000 ohms	37, 38, 41, 1G5, 3C5, 6A4, 6N7	A	
S-15 12 W	P. P. Tubes: 4000 ohms	6Y6, 25L6	AB	G-2
	5000 ohms	45, 2A3, 6A3, 6A5, 6B4	AB	
	10,000 ohms	30, 1H4, 6AC5G, 6B5, 19, 49, 53, 79, 89, 6A6, 6N6, 6N7, 6Y7	AB B	
S-16 30 W.	3000 ohms 6000 ohms	45, 48, 2A3, 6A3, 6A5, 6B4, 25L6 42, 2A5, 6F6 triodes	AB AB	G-4
	9000/10000 ohms	46, 59, Parallel 53, 6A6, 6N7 42, 45, 2A5, 6AC5, 6B5, 6F6, 6L6, 6V6	B AB	
S-17 55 W.	3800 ohms 4500/5000 ohms	6L6's 4—6L6's 46, 1608, 809	AB2 AB1 B	G-5

UNIVERSAL MODULATION TRANSFORMERS
Secondary carries class C current
Any modulator tubes to any RF load. (See c art)

Type No.	Audio Power	Case
S-18	12 watts	G-3
S-19	30 watts	G-4
S-20	55 watts	G-5
S-21	110 watts	G-7
S-22	250 watts	G-9

TYPICAL MODULATOR COMBINATIONS
S-18 — 12 WATTS MAX.

DRIVER TUBES: In the combinations shown below, typical suitable driver tubes are: 27, 30, 37, 49, 53, 56, 76, 79, 89, 6A6, 6C5, 6C6 triode, 6E6, 6N7.

DRIVER Transf.	Sec. Term.	MODULATOR STAGE P.P. Tubes	Watts Output	P.P. Load	Plate Volts	Bias Volts
S-2	G-G	6E6	1.6	14,000	250	27
S-8	G-G	19, 1J6G	2.1	10,000	135	0
S-8	G-G	30	2.5	10,000	180	18
S-8	G-G	49	3.5	12,000	180	0
S-8	G'-G'	89	3.5	10,000	180	0
S-2	G-G	25L6	4	4,000	110	7.5
S-8	G'-G'	6Z7G	4.2	12,000	180	0
S-2	G-G	6Y6G	7	4,000	135	13.5
S-8	G-G	79, 6Y7G	8	14,000	250	0
S-8	G'-G'	6AC5G	8	10,000	250	0
S-8	G'-G'	53, 6A6 6N6, 6N7	10	10,000	300	0
S-2	G-G	2A3, 6A3 6A5G, 6B4G	10	5,000	325	750 ohms
S-2	G-G	6B5	10	10,000	300	0
S-8	G-G	45	10	5,000	275	770 ohms

	SINGLE TUBES	Pri. Load
	43, 45, 59, 71A, 12A5, 25A6, 25A7	4,000 ohms
	31, 46, 59, 6V6, 33	6,000 ohms
S-1	F-G 33, 42, 46, 47, 49, 89, 2A5, 6F6, 6B5	7,000 ohms
	59, 89 pentode	8,000 ohms
	10, 41, 32, 6G6, 6K6	10,000 ohms
	38, 12A7	14,000 ohms

S-19 — 30 WATTS MAX.
(53, 56, 6C6 triode, 6N7, may be substituted for 6C5 tubes)

Tube or Tubes	DRIVER Transf.	Sec. Terms.	MODULATOR STAGE P.P. Tubes	Watts Output	P.P. Load	Plate Volts	Bias Volts
6C5	S-10	G-G	6V6	13	8,000	300	20
6C5	S-2	G-G	6B5	13.5	10,000	325	0
6C5	S-10	G-G	2A3, 6A3 45, 6A5G, 6B4G	15	3,000	325	63
6C5	S-10	G-G	2A5, 42, 6F6, Pentode AB	10	10,000	375	340 ohms
2A5	S-8	G-G	2A5, 42, 6F6, triode AB	18	6,000	350	38
89	S-8	G'-G'	Parallel 53's, 6A6, 6N6, 6N7	19	5,000	300	0
45	S-8	G-G	10, 1602	25	8,000	425	50
45	S-8	G'-G'	46, 59	25	6,000	425	0
45	S-8	G'-G'	841	28	7,000	425	5
6C5	S-10	G-G	6L6 self bias	30	9,000	400	23

S-20 — 55 WATTS MAX.

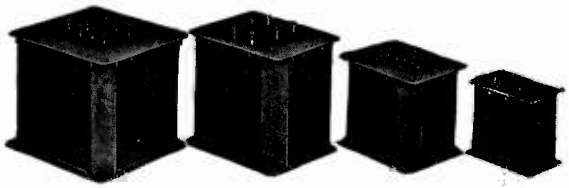
P.P. Tubes	DRIVER Transf.	Sec. Term.	P.P. Tubes	Watts O'tp't	MODULATOR STAGE P.P. Load	Plate Volts	Plate Tr'sf.	Bias Volts	Bias Trsf.
Single 45	S-8	G'-G'	46	40*	5000	470	S-44	0	
2A3	S-9	1-1	801	45	10000	600	S-45	75	S-51
2A3	S-9	3-3	1608	50	5000	425	S-44	15	S-51
2A3	S-9	1-1	T-20	50	8000	600	S-45	30	S-51
Single 45	S-8	G'-G'	4-46 59	56	3000	425	S-44	0	
6C5	S-10	G-G	6L6 AB2	60	3800	400	S-39	25	S-51
6C5	S-10	G-G	4-6L6	60	4500	400	S-40	23	
2A3	S-9	3-3	809	60	5000	500	S-41	0	

* Above, manufacturers' rating, but frequently employed by amateurs.

(Refer to Page N-37 for UTC Prices)

UTC SPECIAL SERIES POWER EQUIPMENT

UTC Special Series power supply components are designed specifically for amateur and popular-priced PA service. The ratings are based on such applications and recommended for intermittent service. For commercial applications, CG or LS grade components should be employed. Tapped coil structures on power and bias supply transformers afford maximum flexibility, permitting a given transformer to be used with many circuits and types of tubes. Do not affect standby service by interrupting high voltage center tap.



S-21 — 115 WATTS MAX.

P.P.-2A3 Driver S-9 Transf. Sec. Term.	MODULATOR STAGE P.P. Tubes	Watts Output	P.P. Load	Plate Volts	Plate Transf.	Bias Volts	Bias Trsf.
2-2	TZ-20	70	12000	800	S-46	0	
1-1	T-20	70	12000	800	S-46	40	S-51
*	845	75	4600	1000	S-47	175	S-52
3-3	4-46, 59	80	2500	470	S-44	0	
1-1	807	80	6800	600	S-45	30	S-51
1-1	800, RK-30	90	6600	750	S-45	40	S-51
1-1	800, RK-30	100	12000	1000	S-47	55	S-51
3-3	809	100	8400	750	S-45	5	S-51
2-2	825	100	6600	850	S-46	30	S-51
2-2	TZ-40	100	6000	750	S-45	0	
2-2	T-756	100	7000	850	S-46	30	S-51
1-1	50-T	100	8000	1000	S-47	90	S-51
2-2	RK-18	100	12000	1000	S-47	50	S-51
1-1	HK-354	100	15000	1000	S-47	60	S-51
*	845	105	8800	1250	S-47	225	S-52
3-3	RK-31	110	14000	1000	S-47	0	
1-1	4-6L6	110	2000	400	S-44	25	S-51
2-2	35-T	115	11000	1000	S-47	30	S-51

* Reverse S-9, transformer using terminals 1-1 for plates and P.P. for grids.

S-22 — 250 WATTS MAX.

P.P.-2A3 Driver S-9 Transf. Sec. Term.	MODULATOR STAGE P.P. Tubes	Watts Output	P.P. Load	Plate Volts	Plate Transf.	Bias Volts	Bias Trsf.
3-3	RK-31	140	17000	1250	S-47	0	
*	50 T	135	12000	1250	S-47	112	S-52
*	50 T	250	20000	2000	S-50	180	S-52
*	50 T	160	17000	1500	S-49	140	S-52
2-2	TZ-40	175	6800	1000	S-47	0	
1-1	T-55	175	6900	1000	S-47	40	S-51
1-1	T-55	225	9400	1250	S-47	50	S-51
2-2	HF-100	200	7000	1000	S-47	35	S-51
2-2	HF-100	250	12000	1500	S-49	52	S-51
2-2	100 TH	200	5200	1000	S-47	0	
2-2	100 TH	250	7200	1250	S-47	0	
¶	100 TL	170	5200	1000	S-47	90	S-51
¶	100 TL	230	7200	1250	S-47	112	S-52
2-2	ZB-120	150	4800	750	S-45	0	
2-2	ZB-120	200	6900	1000	S-47	0	
2-2	ZB-120	245	9000	1250	S-47	0	
*	HK-154	200	7500	1000	S-47	155	S-52
*	HK-154	225	11400	1250	S-47	210	S-52
1-1	203 A	200	6900	1000	S-47	35	S-51
1-1	203 A	250	9000	1250	S-47	45	S-51
3-3	203 Z	200	6900	1000	S-47	0	
2-2	203 Z	250	6700	1100	S-47	0	
1-1	211	200	6900	1000	S-47	77	S-51
1-1	211	250	9000	1250	S-47	100	S-51
1-1	HK-354	220	15000	1500	S-49	100	S-51
2-2	808	190	12700	1250	S-47	15	S-51
2-2	830 B	175	7600	1000	S-47	35	S-51
2-2	838	200	6900	1000	S-47	0	
2-2	838	250	9000	1250	S-47	0	

* Reverse S-9, using 2-2 for plates and P-P for grids.
¶ Reverse S-9, using 1-1 for plates and P-P for grids.

FILTER, SWINGING, AND AUDIO CHOKES

Type No.	Service	Inductance	Current	Resistance	Insulation	Case No.
S-23	Audio	500 Hy.	5 Ma.	6000 ohms	1500 V.	G-2
S-24	P.P.	500 Hy.				
	Choke	C.T.	3 Ma.	4000 ohms	1500 V.	G-2
S-25	Filter	30 Hy.	30 Ma.	900 ohms	1500 V.	G-2
S-26	Filter	15 Hy.	60 Ma.	230 ohms	1500 V.	G-2
S-27	Filter	30 Hy.	75 Ma.	350 ohms	1500 V.	G-4
S-28	Filter	20 Hy.	100 Ma.	350 ohms	1500 V.	G-4
S-29	Filter	10 Hy.	175 Ma.	95 ohms	1500 V.	G-4
S-30	Swinging	5/25 Hy.	175 Ma.	95 ohms	1500 V.	G-4
S-31	Filter	20 Hy.	225 Ma.	120 ohms	2700 V.	G-5
S-32	Swinging	5/25 Hy.	225 Ma.	120 ohms	2700 V.	G-5
S-33	Filter	20 Hy.	300 Ma.	90 ohms	4000 V.	G-7
S-34	Swinging	5/25 Hy.	300 Ma.	90 ohms	4000 V.	G-7
S-35	Filter	20 Hy.	400 Ma.	85 ohms	5000 V.	G-8
S-36	Swinging	5/25 Hy.	400 Ma.	85 ohms	5000 V.	G-8
S-37	Filter	20 Hy.	550 Ma.	60 ohms	6000 V.	G-8
S-38	Swinging	5/25 Hy.	550 Ma.	60 ohms	6000 V.	G-8

CASE SIZES

Type No.	H	W	D	M	N	Wt. Lbs.
G-5	3¾	3⅛	4½	3⅞	2-7/16	4½
G-7	4⅝	4⅜	5½	4-27/32	3-25/32	8
G-8	4⅝	5¾	5¾	4-25/32	4¾	12
G-9	5⅞	5¾	6¾	6-3/32	4-19/32	21
G-10	5⅞	6⅛	6¾	5-15/16	5-13/32	24
G-11	5⅞	6⅛	7⅜	6-21/32	5-29/32	31
G-12	10¼	7⅜	9¼	8⅛	8⅝	52

COMBINED PLATE AND FILAMENT TRANSFORMERS

Primary 115 V. — 50/60 Cycles

Type No.	Voltage	D.C. Voltages*	Rectifier Fil.	Fil. No. 1	Fil. No. 2	Case No.
S-39	490-400-0-400-490 175 Ma.	400/310	5 V.-3A	2.5 V.C.T -6A	6.3 V.C.T. 4A	G-7
S-40	525-425-0-425-525 250 Ma.	400/310	5 V.-3A	6.3 V.C.T. -3A	6.3 V.C.T. 3A	G-7
S-41	600-0-600 200 Ma.	475	5 V.-3A	7.5 V. tapped 6.3 V.-3A	6.3 V.C.T. 2A	G-7
S-42	600-525-0-525-600 300 Ma.	480/400	5 V.-3A	7.5 V. tapped 6.3 V.-3A	6.3 V.C.T. 3A	G-8
S-43	525-0-525 450 Ma. 40-0-40, 200 Ma.	400	5 V.-3A 5 V.-6A	6.3 V.C.T. -2 A	6.3 V.C.T 5 A	G-9

* Based on two section filter, choke input.

PLATE TRANSFORMERS — BIAS TRANSFORMERS

Primary 115 V. — 50/60 Cycles

Type No.	High Voltage	DC Voltages*	DC Current	Case No.
S-44	575-525-0-525-575	470/430	500 Ma.	G-9
S-45	900-750-0-750-900	750/620	200 Ma.	G-8
S-46	1000-750-0-750-1000	825/600	300 Ma.	G-9
S-74	1175-500-0-500-1175 Duplex rectifier	1000 400	†150 Ma. ‡150 Ma.	G-10
S-47	1500-1250-1000-0-1000-1250-1500	1275/1050/825	300 Ma.	G-10
S-48	1500-1250-1000-0-1000-1250-1500	1300/1075/850	500 Ma.	G-11
S-49	2100-1800-1500-0 1500-1800-2100	1815/1540/1275	300 Ma.	G-11
S-50	3000-2500-0-2500-3000	2625/2175	300 Ma.	G-12
S-51	Will supply any bias voltage from 15 to 100 volts DC within approximately 6% of desired value.		200 Ma.	G-5
S-52	Will supply any bias voltage from 75 to 400 volts DC within approximately 6% of desired value.		200 Ma.	G-7

* Based on two section filter for 200 Ma. and 300 Ma. units, single section filter for 500 Ma. units, both choke input.
† 200 Ma. if used alone ‡ 300 Ma. if used alone

FILAMENT TRANSFORMERS

Primary Tapped 105, 115 Volts — 50/60 Cycles

Type No.	Secondary Volts	Secondary Current	Insulation	Case No.
S-53	2.5 VCT	10 A.	1500 V.	G-3
S-54	5 VCT	4 A.	2500 V.	G-3
S-55	6.3 VCT	3 A.	1500 V.	G-3
S-56	7.5 VCT	3 A.	1500 V.	G-3
S-57	2.5 VCT	10 A.	10,000 V.	G-5
S-58	2.5 VCT	20 A.	10,000 V.	G-5
S-59	5 to 5.25 VCT	13 A.	5000 V.	G-5
S-60	5 to 5.25 VCT	22 A.	10,000 V.	G-7
S-61	7.5 VCT tapped 6.3 VCT	8 A.	3000 V.	G-5
S-62	10 VCT	10 A.	3000 V.	G-5
S-63	14 VCT tapped 12 VCT and 11 VCT	10 A.	5000 V	G-7

Type No.	Fil. 1	Fil. 2	Fil. 3	Insulation	Case No.
S-64	2.5 VCT-5A	2.5 VCT-5A	5 VCT-6A	3000 V.	G-5
S-65	2.5 VCT-5A	5 VCT-4A	6.3 VCT-3A	3000 V.	G-5
S-66	2.5 VCT-10A	7.5 VCT-6.5A		3000 V.	G-5
S-67	5 VCT-6A	6.3 VCT-5A		3000 V.	G-5
S-68	5 VCT-3A	6.3 VCT-4A	7.5 VCT-5A	3000 V.	G-5
S-69	6.3 VCT-3A	7.5 VCT-6.5A		3000 V.	G-5
S-70	6.3 VCT-5A	6.3 VCT-5A		3000 V.	G-5
S-71	2.5 VCT-6A	2.5 VCT-6A	2.5 VCT-12A	10000 V.	G-7
S-72	5 VCT-3A	5 VCT-3A	5 VCT-6A	5000 V.	G-5

(Refer to Page N-37 for UTC Prices)

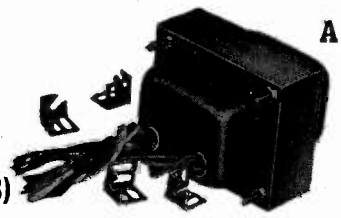
UTC REPLACEMENT TYPE COMPONENTS

The UTC replacement type transformers represent the culmination of years of development in this field All units are vacuum sealed against humidity with special impregnating materials to prevent corrosion and electrolysis. Shells and brackets are finished in attractive high lustre black enamel

The UTC shells and universal brackets employed make possible a latitude in mounting dimensions never approached heretofore Using Varitap coil construction a minimum number of transformers have been developed to cover any requirement in the replacement field.

VARITAP DUPLICATE REPLACEMENT POWER TRANSFORMERS (A)

Type No.	High Voltage	Rect. Fil.	Fil. 1	Fil. 2	Dimensions, In. W	D	H	M	N	Wt. Lb.
R-1	325-0-325 40MA	5V-2A	6.3 VCT-2A or 2.5-VCT-4A		3	2½	2¾	2½	2	2½
R-2	350-0-350 70MA	5V-3A	6.3 VCT-2.5A or 2.5 VCT-8A		3⅜	2⅞	3	2-13/16	2¼	3
R-3	350-0-350 95MA	5V-3A	6.3 VCT-4.5A or 2.5-VCT-4.5A	2.5 VCT-9A	3¾	3⅛	3⅜	3⅛	2½	5½
R-4	375-0-375 120-MA	5V-4A	6.3 VCT-5A or 2.5-VCT-5A	2.5 VCT-15A	4½	3¾	3¾	3¾	3	6½
R-5	385-0-385 180-MA	5V-4A	6.3 VCT-4A or 2.5-VCT-6A	6.3 VCT-5A	4½	3¾	4½	3¾	3	8½

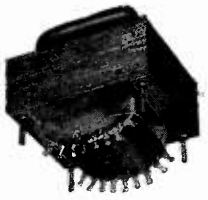


A

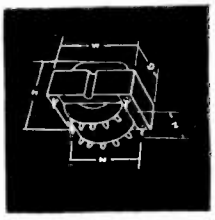
Through unique construction the five UTC VARITAP DUPLICATE replacement transformers will service as many types of radio receivers as the 15 or 20 units more customarily employed for such service. The universal feet may be used for upright or horizontal mounting, or eliminated for flush mounting.

VARITAP FLUSH TYPE POWER TRANSFORMERS (B)

Type No.	High Voltage	Rect. Fil.	Fil. 1	Fil. 2	Dimensions, In. W	D	H	M	N	Wt. Lb.
R-6	300-0-300 50MA	5V-2A	6.3 VCT-2A or 2.5-VCT-5A		3	2½	3	2½	2	2½
R-7	350-0-350 75MA	5V-3A	6.3 VCT-3A or 2.5-VCT-3A	2.5 VCT-8A	3⅜	2⅞	3¼	2-13/16	2¼	3
R-8	375-0-375 100-MA	5V-3A	6.3 VCT-4A or 2.5-VCT-4A	2.5 VCT-10A	3¾	3⅛	3¾	3⅛	2½	5½
R-9	400-0-400 125-MA	5V-3A	6.3 VCT-4A or 2.5-VCT-4A	6.3 VCT-2A or 2.5 VCT 10A	4½	3¾	4	3¾	3	6½
R-10	425-0-425 200-MA	5V-3A	6.3 VCT-5A or 2.5-VCT-5A	6.3 VCT-3A or 2.5 VCT-12A	4½	3¾	4¾	3¾	3	8½



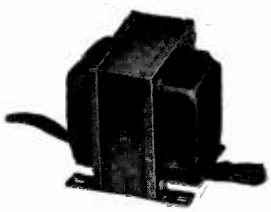
B



UTC FLUSH TYPE transformers are husky units designed for low temperature rise and good regulation. By employing a Varitap universal coil structure, the five units described are universal in application. The rugged solder terminals permit ease of circuit change for the experimenter.

VERTICAL SHIELDED POWER TRANSFORMERS FOR RECEIVERS AND AMPLIFIERS (C)

Type No.	High Voltage	Rect. Fil.	Fil. 1	Fil. 2	Dimensions, In. W	D	H	M	N	Wt. Lb.
R-54	300-0-300 50MA	5V-2A	6.3 VCT-2A or 2.5-VCT-5A		2½	2½	3¼	2	1¾	2½
R-11	350-0-350 75MA	5V-3A	6.3 VCT-3A or 2.5 VCT-3A	2.5 VCT-8A	3	3¼	3⅛	2¼	2¼	3½
R-12	375-0-375 100-MA	5V-3A	6.3 VCT-4A or 2.5-VCT-4A	6.3 VCT-2A or 2.5 VCT-8A	3¼	3⅝	4	2½	2½	6
R-13	425-0 425 200-MA	5V-3A	6.3 VCT-5A or 2.5-VCT-5A	6.3 VCT-3A or 2.5 VCT-12A	3⅞	4⅛	4⅝	3	3⅜	8½



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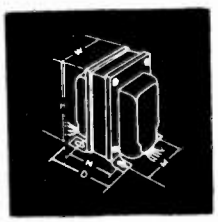


UTC VERTICAL power transformers are unusually attractive in appearance, having smooth drawn cases finished in high lustre black enamel. The Varitap coil structure assures flexibility of application.

FILTER AND AUDIO CHOKES (D)

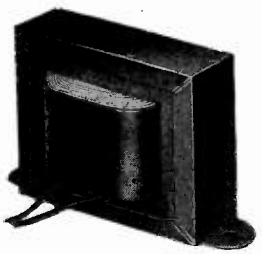
Inductance Shown Is at Rated D.C.M.A.—Insulation Test: 1750 Volts

Type No.	Induct. Hys.	Current	Resistance Ohms	W	Dimensions, Ins. D	H	M	Lbs.
R-55	6	40MA	300	2½	1⅜	1⅝	2	½
R-14	8	40MA	250	2⅞	1⅜	1-11/16	2⅜	¾
R-15	12	30MA	450	2⅞	1⅜	1-11/16	2⅜	¾
R-16	15	30MA	600	2⅞	1⅜	1-11/16	2⅜	¾
R-17	20	40MA	850	3-5/16	1⅝	2	2-13/16	1
R-18	8	80MA	250	3-5/16	1⅝	2	2-13/16	1
R-19	14	100MA	450	3⅜	1¾	2-5/16	3⅛	1⅛
R-20	7	160MA	100	4⅛	2	2⅝	3-9/16	2⅛
R-21	4/20	160MA	100	4⅛	2	2⅝	3-9/16	2⅛
R-22	120	5MA	4000	3-5/16	1⅝	2	2-13/16	1

CHANNEL FRAME FILAMENT TRANSFORMERS (D)

Pri. 115 V. 50/60 Cycles—1500 V. Breakdown

Type No.	Secondary	Dimensions, Inches W	D	H	M	Wt. Lbs.
FT-1	2.5 V.C.T.-3A	2⅞	1⅜	1-11/16	2⅜	¾
FT-2	6.3 V.C.T.-1.2A	2⅞	1⅜	1-11/16	2⅜	¾
FT-3	2.5 V.C.T.-6A	3-5/16	1⅝	2	2-13/16	1
FT-4	6.3 V.C.T.-2.5A	3-5/16	1⅝	2	2-13/16	1
FT-5	2.5 V.C.T.-10A	3⅜	1⅝	2-5/16	3⅛	1⅛
FT-6	5 V.C.T.-3A	3⅜	1⅜	2-5/16	3⅛	1⅛
FT-7	7.5 V.C.T.-3A	3⅜	1⅜	2-5/16	3⅛	1⅛
FT-8	6.3 V.C.T.-8A	4⅛	2⅛	2⅝	3-9/16	2½



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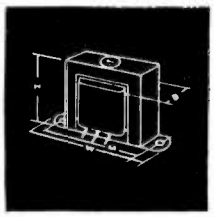
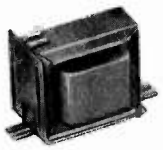
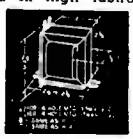


Channel frame chokes, audios, and filament transformers are conservatively designed. Standard black enamel mounting channels are employed. Coils are tropic-sealed by vacuum-pressure method.

(Refer to Page N-37 for UTC Prices)



Varitap Duplicate audio units are extremely attractive, the double shells and universal mounting brackets being finished in high lustre black enamel. The figure A units use the UTC universal bracket. This bracket makes possible four hole horizontal or vertical mounting and two hole, channel type, horizontal or vertical mounting. The coils of these units, in addition to efficient design and mechanical shielding, are vacuum impregnated and sealed with a special compound to assure complete protection against adverse climatic conditions.



SHIELDED UNIVERSAL MOUNTING AUDIO TRANSFORMERS AND FILTER CHOKES

Type No.	Application	Description	Fig.	Wgt. Lbs.
R-23	1 plate* to 1 grid	3½ :1 ratio	A	1
R-24	1 plate* to 2 grids	2:1 ratio	A	1
R-25	2 plates* to 2 grids	1.5:1 stepup for class A triodes, 1.5:1 stepdown for 6L6's, 2A3's, 2A5's, etc.	A	1¼
R-26	Driver, 1 plate to 2 grids	Single 42, 2A5, 6F6, 45, 46	A	1¼
R-27	15 watt Universal Output	All tubes up to 15 watts to any voice coil from .1 to 30 ohms	A	1¼
R-28	35 watt Universal Output	All tubes up to 35 watts to any voice coil from .1 to 30 ohms	B	2½
R-29	Mike to grid	Single or double button mike or line to 1 grid	A	1¼
R-30	Filter choke	13 Hys—250 MA—100 ohms	C	7
R-31	Filter Choke	10 Hys— 80 MA—250 ohms	A	2½
R-32	Filter choke	10 Hys—150 MA—100 ohms	B	2¼

* Will match tubes like 27, 37, 56, 6C6 triode, 6C5. Can be used with high mu triodes with loss in low frequencies.

CHANNEL FRAME AUDIO TRANSFORMERS (D)

(See preceding page for photo)

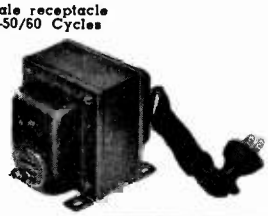
Type No.	Application	Description	Dimen., Ins. W	D	H	M	Wt. Lbs.
R-33	1 plate* to 1 grid	4:1 ratio	2⅞	1⅜	1-11/16	2⅜	¾
R-34	1 plate* to 2 grids	2:1 ratio	2⅞	1⅜	1-11/16	2⅜	¾
R-35	Mike to 1 grid	17:1 ratio	2⅞	1⅜	1-11/16	2⅜	¾
R-90	Interconnm. speaker to grid	4 ohm to 40,000 ohm grid	2½	1⅜	1⅜	2⅛	½
R-53	Plate & mike to grid	3:1 and 17:1 ratio	2⅞	1⅜	1-11/16	2⅜	¾
R-56	1 plate to 2 grids	2:1 ratio	3-5/16	1⅝	2	2-13/16	1
R-57	1 plate to 2 grids	2½ :1 ratio	4⅛	2	2⅝	3-9/16	2½
R-36	Driver	30, 49, etc. to class B 19, 49, 79, 89 grids	2⅞	1⅜	1-11/16	2⅜	¾
R-37	R.F. Output	Class B 19, 49, 79, 89 plates to 3500 and 5,000 ohms	2⅞	1⅜	1-11/16	2⅜	¾
R-58	5 watt Universal output	Any single tube to any voice coil, .1 to 30 ohms	2½	1⅜	1⅜	2⅛	½
R-38A	6 watt Universal	Any tubes up to 6 watts to any voice coil, .1 to 30 ohms	2½	1⅜	1⅜	2⅛	½
R-59	10 watt Universal	Any tubes up to 10 watts to any voice coil, .1 to 30 ohms	2⅞	1⅜	1-11/16	2⅜	¾
R-60	15 watt Universal	Any tubes up to 15 watts to any voice coil, .1 to 30 ohms	3-5/16	1⅝	2	2-13/16	1
R-39	10 watt line Matching Transformer	250, 500, 1,500 ohms to 2, 8, 15 ohms	2⅞	1⅜	1-11/16	2⅜	¾
R-40	25 watt line Matching Transformer	250, 500, 1,500 ohms to 2, 8, 15 ohms	4⅛	2¼	2⅝	3-9/16	2½

* Will match tubes like 27, 37, 56, 6C6 triodes, 6C5. Can be used with high mu triodes with loss in low frequencies.

STEP DOWN AUTO-TRANSFORMERS

With 6 foot cord and female receptacle
220-240 to 110-120 Volts—50/60 Cycles

Type No.	Application	Wgt. Lbs.
R-41	85 watt capacity	4
R-42	125 watt capacity	5
R-43	175 watt capacity	5½
R-44	250 watt capacity	6½
R-45	500 watt capacity	12
R-46	1200 watt capacity	18
R-64	2500 watts, no cord	30

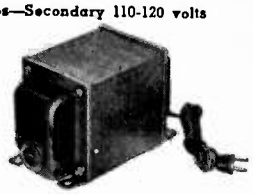


ISOLATION TRANSFORMERS

Ideal for isolating line noise, AC-DC sets, etc. Excellent electrostatic shielding. 2000 volt breakdown test. Six foot cord and female receptacle.

Primary 110-120 volts, 50/60 cycles—Secondary 110-120 volts

Type No.	Rating	Wgt. Lbs.
R-72	40 watts	4
R-73	100 watts	6
R-74	250 watts	12
R-75	600 watts	20
R-76	1200 watts	30
R-77	2500 watts (no cord)	70



EXPORT VOLTAGE ADAPTER

Complete with cord and plug and special locking switch providing for line voltages of 105, 115, 125, 135, 150, 210, 230, 250 volts; 42 to 60 cycles. Output voltage 115.

Type No.	Rating	Wgt. Lbs.
R-47	85 watts	4½
R-48	150 watts	5½

LINE VOLTAGE ADJUSTERS WITH METER

The perfect answer to abnormal or fluctuating line voltage. Adjust switch so that meter reads at red line and you know that your equipment is working at correct voltage.

These units combine a tapped auto-transformer with a switch and meter in a compact, rugged assembly.

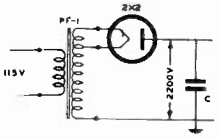
The nine tap switch provides for line voltages of 60 to 140 volts on 115 volt output models and 160 to 240 volts on 230 volt output models.
All units are designed for 50/60 cycle service and come complete with 6 foot input cord and plug and outlet receptacle.

Type No.	Primary Voltages	Sec. Volts	Watts	Wt. Lbs.
R-78	60, 70, 80, 90, 100, 110, 120, 130, 140	115	150	6
R-79	60, 70, 80, 90, 100, 110, 120, 130, 140	115	300	9
R-80	60, 70, 80, 90, 100, 110, 120, 130, 140	115	600	13
R-81	60, 70, 80, 90, 100, 110, 120, 130, 140	115	1200	21
R-83	160, 170, 180, 190, 200, 210, 220, 230, 240	230	150	6
R-84	160, 170, 180, 190, 200, 210, 220, 230, 240	230	300	9
R-85	160, 170, 180, 190, 200, 210, 220, 230, 240	230	600	13
R-86	160, 170, 180, 190, 200, 210, 220, 230, 240	230	1200	21

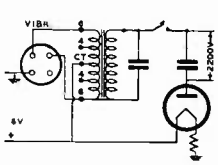
PHOTO FLASH TRANSFORMERS

Can be used for either standard (Amglo type) or trigger (Sylvania type) multiple flash bulbs. Circuit details included with transformer, or on request.

PF-1 Primary for 115 volts, 50/60 cycles. Secondaries for power supply delivering 2200 volts DC to condenser up to 100 Mfd. (30 Mfd. charges in 4 Sec.) Compound sealed in G-3 case 2⅛ x 2¾ x 2½ inches high. Weight 2 Lbs.



PF-2 For portable photoflash service. Primary tapped for 4 volt or 6 volt battery (full wave vibrator). Secondary for power supply delivering 2200 volts DC to condenser up to 60 Mfd. (30 Mfd. charges in 8 sec. with 6 volts or 14 Sec. with 4 volts). Compound sealed in G-3 case. Weight 2 Lbs.



PF-3 Trigger Transformer 15 KV peak

Ask for detailed bulletin

TELEVISION TRANSFORMERS

These components are quality designs, vacuum impregnated and fully compound sealed in heavy steel cases affording a high degree of shielding.

Type No.	Application	Case	Wt. Lbs.
R-91	Horizontal oscillator (15750 cycles)	RC-50	1
R-92	Vertical oscillator (60 cycles)	RC-50	1
R-93	Vertical output, tapped for different tubes	RC-100	4
R-94	Horizontal output (special core), tapped for adjustment	RC-100	4
R-95	2800 vac (4000 DC) 2.5V-1.8A., 6.3V-.6A tapped 2.5V-2.1A. 7000 V test	RC-125	5

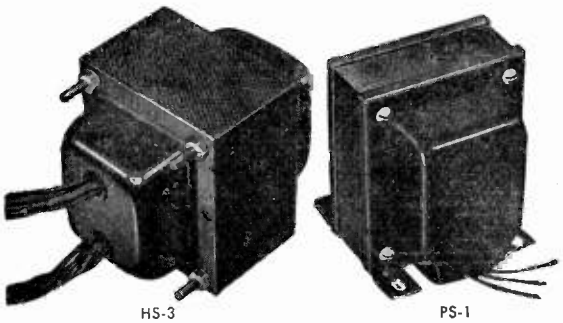
(Refer to Page N-37 for UTC Prices)

Universal Replacement POWER TRANSFORMERS

TELEVISION TRANSFORMERS

FREED

TRANSFORMER CO., INC.



HS-3 PS-1

This group of units provides replacement for the majority of existing radio receivers. The design of special mounting angles permits mounting in flush, vertical and horizontal positions. Leads are R.M.A. color-coded.

Freed No.	H.V. A.C. Volts	C.T. D.C. Ma.	Rect. V.	Rect. A.	Fil. C.T. V.	Fil. C.T. A.	Fil. C. T. V.	Fil. C. T. A.	Mounting Type	Mounting Center W	Mounting Center D	Dimensions W	Dimensions D	Dimensions H	Ship. Wt.	List Price
F-410 A	480	40	5	2	6.3	2			PS-1	2	1 9/16	2 17/32	2 5/8	3 9/64	2 1/2	$5.85
F-411 A	650	40	5	2	2.5	4			PS-1	2	1 1/4	2 3/32	2 3/4	3 9/64	2 3/4	5.85
F-412 A	590	50	5	2	6.3	2			PS-1	2	1 13/16	2 17/32	2 7/8	3 9/64	3	6.30
F-413 A	650	50	5/6.3	2/.6	6.3	2.5			PS-1	2	1 13/16	2 17/32	2 7/8	3 9/64	3	6.90
F-414 A	700	50	5	2	2.5	7.5			PS-1	2	1 13/16	2 17/32	2 7/8	3 9/64	3	7.30
F-415 A	700	70	5	2	2.5	9			PS-1	2 1/4	1 7/8	2 23/32	3 1/8	3 33/64	4	7.60
F-416 A	700	70	5/6.3	2/.6	6.3	2.5			PS-1	2 1/4	2	2 27/32	3 1/4	3 37/64	4 3/8	7.90
F-417 A	700	70	5	2	6.3	2.5			PS-1	2	2 5/16	2 17/32	3 3/8	3 9/64	4 3/8	7.55
F-418 A	700	90	5	2	2.5	12.5			PS-1	2 1/2	2 7/16	3 5/32	3 3/4	3 37/64	5 1/4	8.75
F-419 A	700	90	5	2	6.3	3.5			PS-1	2 1/2	2 1/8	3 5/32	3 7/16	3 37/64	5	8.30
F-420 A	700	120	5	3	2.5	3.5	2.5	12.5	PS-1	3	2 5/16	3 5/32	3 1/2	4 11/64	6 1/2	10.20
F-421 A	700	120	5	3	6.3	5			PS-1	2 1/2	2 5/16	3 5/32	3 5/8	3 37/64	5 1/4	9.10
F-422 A	750	150	5	3	6.3	5			PS-1	3	2 9/16	3 5/32	3 3/4	4 11/64	6 1/2	10.90
F-423 A	750	150	5	3	6.3	5	2.5	5	PS-1	3	2 9/16	3 5/32	3 3/4	4 11/64	7	12.00
F-424 A	800	200	5	4	6.3	5			PS-1	3	2 11/16	3 5/32	3 7/8	4 11/64	7 3/8	12.45
F-410	480	40	5	2	6.3	2			HS-3	2 1/2	2	3	2 1/2	2 1/2	2 1/2	4.50
F-411	650	40	5	2	2.5	4			HS-3	2 1/2	2	3	2 1/2	2 5/8	2 3/4	4.50
F-412	590	50	5	2	6.3	2			HS-3	2 1/2	2	3	2 1/2	2 3/4	3	4.55
F-413	650	50	5/6.3	2/.6	6.3	2.5			HS-3	2 1/2	2	3	2 1/2	2 3/4	3	5.10
F-414	700	50	5	2	2.5	7.5			HS-3	2 1/2	2	3	2 1/2	2 3/4	3	5.75
F-415	700	70	5	2	2.5	9			HS-3	2 13/16	2 1/4	3 3/8	2 13/16	3	4	6.00
F-416	700	70	5/6.3	2/.6	6.3	2.5			HS-3	2 13/16	2 1/4	3 3/8	2 13/16	3 1/8	4 3/8	6.35
F-417	700	70	5	2	6.3	2.5			HS-3	2 1/2	2	3	2	3 1/8	4 3/8	5.75
F-418	700	90	5	2	2.5	12.5			HS-3	3 1/8	2 1/2	3 3/4	3 1/8	3 1/2	5 1/4	7.05
F-419	700	90	5	2	6.3	3.5			HS-3	3 1/8	2 1/2	3 3/4	3 1/8	3 1/4	5	6.50
F-420	700	120	5	3	2.5	3.5	2.5	12.5	HS-3	3 3/4	3	4 1/2	3 3/4	3 1/4	6 1/2	8.70
F-421	700	120	5	3	6.3	5			HS-3	3 1/8	2 1/2	3 3/4	3 1/8	3 3/8	5 1/4	7.15
F-422	750	150	5	3	6.3	5			HS-3	3 3/4	3	4 1/2	3 3/4	3 1/4	6 1/2	9.40
F-423	750	150	5	3	6.3	5	2.5	5	HS-3	3 3/4	3	4 1/2	3 3/4	3 1/2	7	10.15
F-424	800	200	5	4	6.3	5			HS-3	3 3/4	3	4 1/2	3 3/4	3 5/8	7 3/8	10.90

The above transformers are designed for primary operation of 115 volts 50-60 cycles. They ore also available for 220 volts 60 cycles and 115 volts 25 cycles.

TELEVISION TRANSFORMERS

Used in television receivers, oscilloscopes, test equipment and high voltage, low current power supplies.

Freed No.	HV AC Volts	DC MA.	Rect V	Rect A	Fil V	Fil A	Mtg. Type	Mtg. Center W	Mtg. Center D	Dimensions W	Dimensions D	Dimensions H	Ship Wt.	List Price
F-950	1700	4	2.5	2			PS-1	2	1 13/16	2 17/32	3	3 9/64	3	$10.25
F-951	2000	2	2.5	1.75	6.3	.9	PS-1	2 1/4	2 1/4	2 27/32	3 3/8	3 33/64	4 1/2	12.10
F-952	2500	2	2.5	1.75	6.3	.9	PS-1	2 1/4	2 1/4	2 27/32	3 3/8	3 33/64	4 1/2	13.35

TELEVISION TRANSFORMERS

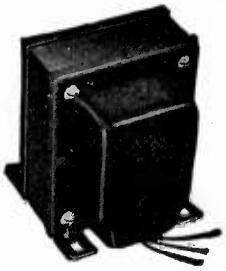
Used for a plate supply in television receivers (12 and 15 inch tube).

Freed No.	HV AC Volts	CT DC MA.	Rect V	Rect A	Fil V	Fil A	Fil V	Fil A	Mtg. Type	Mtg. Center W	Mtg. Center D	Dimensions W	Dimensions D	Dimensions H	Ship Wt.	List Price
F-960	775	225	5	3	6.3	1.75	6.3	10A	PS-1	3	3 1/16	3 3/8	4 7/8	4 41/64	11 1/2	$14.80
F-961	800	300	5	3	5	6	12.6	10A (CT)	PS-1	3 1/2	4	4 7/16	5 3/8	5 7/32	15 1/2	30.75

TELEVISION TRANSFORMERS

Freed No.	Description	Mtg. Type	Mtg. Center W	Mtg. Center D	Dimensions W	Dimensions D	Dimensions H	Ship Wt.	List Price
F-970	Horizontal Blocking Oscillator Transformer.....	CH-1	2		2 3/8	1 5/8	1 7/16	1/2	$2.75
F-971	Vertical Blocking Oscillator Transformer.....	CH-1	2		2 3/8	1 5/8	1 7/16	1/2	2.50
F-972	Vertical Output Tr. for Magnetic Deflection CRT	FV-1	1 9/16	2	2 1/2	2 1/8	3 1/8	2 1/2	6.00
F-973	Horizontal Output Tr. for Electrostatic Deflection CRT	CH-1	1 1/2		1 35/64	1	1 1/8	1/4	4.50

CV-2



PS-1

CH-2

OUTPUT TRANSFORMERS

REPLACEMENT and H.O.T. Series

FREED TRANSFORMER CO., INC.

BROOKLYN 27 NEW YORK

Designed for delivering the maximum audio frequency power from an amplifier to a load (voice coil or line). Good frequency response and low harmonic distortion are the quality factors of the H.O.T. output transformers. Fully enclosed shielded type with leads. All H.O.T. series transformers have multiple secondary impedances.

HEAVY OUTPUT TRANSFORMERS

Freed No.	Application or Tube Type	Class	Ohms Impedance		Pri. Ma. Per Side	Max. Wat.	Inv. Feed-back %	Mtg. Type	Mounting Centers		Dimensions			Wt. Lbs	List Price
			Pri.	Sec.					W	D	W	D	H		
F-110	1-6A3, 2A3, 6Y6, 6L6	A	2,500	2-4-8-500	80	8		PS-1	2	1 1/16	2 5/8	2 1/2	3 1/8	2 1/2	$5.10
F-111	1-6L6	A	4,000	2-4-8-500	70	10		PS-1	2	1 1/16	2 5/8	2 1/2	3 1/8	2 1/2	6.05
F-112	1-6V6, 1-7C5	A	5,000	2-4-8-500	50	6		PS-1	1 3/4	1 1/2	2 3/16	2 3/8	2 1/16	1 3/4	4.35
F-113	1-6F6, 42, 2A5, 47 6N6, 6B5	A	7,000	2-4-8-500	40	5		PS-1	1 3/4	1 1/2	2 3/16	2 3/8	2 1/16	1 3/4	4.35
F-114	2-6V6-7C5 PP	AB_1	8,000	2-4-8-250-500	50	15	10	PS-1	2 1/4	2	2 1/16	3 1/4	3 1/2	3 1/2	6.85
F-115	2-2A3-PP 6A3 PP 6B4G PP 45 PP 2-6L6 PP 6Y6 PP	AB A	5,000	2-4-8-250-500	80	20		PS-1	2 1/4	2	2 1/16	3 1/4	3 1/2	3 1/2	6.85
F-116	2-6L6 PP	AB_1	6,600	2-4-8-250-500	80	30	10	PS-1	2 1/2	2 3/16	3 1/4	3 1/2	3 7/8	5	8.00
F-117	2-6L6 PP	AB_1	3,800	2-4-8-250-500	80	20	10	PS-1	2 1/2	2 3/16	3 1/4	3 1/2	3 7/8	5	8.00
F-118	2-6L6 PP	AB_1	9,000	2-4-8-250-500	60	30	10	PS-1	2 1/2	2 3/16	3 1/4	3 1/2	3 7/8	5	8.00
F-119	2-6L6 PP	AB_2	6,000	4-8-16-250-500	80	40	10	PS-1	2 1/2	2 3/16	3 1/4	3 1/2	3 7/8	5	8.75
F-120	2-6L6 PP	AB_2	3,800	4-8-16-250-500	110	50	10	PS-1	2 1/2	2 3/16	3 1/4	3 3/4	3 7/8	5 1/2	8.75
F-121	4-6L6 PP Par.	AB_1	3,300	4-8-16-250-500	160	60	10	PS-1	2 1/2	2 3/16	3 1/4	3 3/4	3 7/8	5 1/2	9.50
F-122	4-6L6 PP Par.	AB_1	3,300	50-125-200-250 333-500	160	60		PS-1	2 1/2	2 3/16	3 1/4	3 3/4	3 7/8	5 1/2	9.50
F-123	4-6L6 PP Par.	AB_2	1,900	84-100-125-166 250-500	220	100	10	PS-1	3	3 13/16	3 7/8	5	4 5/8	13 1/2	21.90
F-124	2-6F6-42-2A5 PP 1-6N7, 6A6, 53 PP 2-6N6, 6B5, 2B6, 6AC5	AB_2 B A	10,000	4-8-15-500	45	20		PS-1	2 1/4	2	2 1/16	3 1/4	3 1/2	3 1/2	6.85
F-125	2-2A3, 6A3, 6B4G 2-48, 25L6	AB A	3,000	4-8-15-500	60	20		PS-1	2 1/4	2	2 1/16	3 1/4	3 1/2	3 1/2	6.05
F-126	4-2A3, 6A3, 6B4G, 45 PP Par.	AB	1,500	4-8-15-500	80	40		PS-1	2 1/4	2	2 1/16	3 1/4	3 1/2	3 1/2	5.85
F-127	2-45, 43, 25 A6 PP 1-6N7, 6A6, 53 PP	A B	8,000	4-8-15-500	36	15		PS-1	2	1 1/16	2 5/8	2 1/2	3 1/8	2 1/2	5.85
F-128	1-12A6-6K6-7B5	A	7,500	4-8-15-500	40	5		PS-1	1 3/4	1 1/16	2 3/16	2 3/8	2 1/16	1 3/4	4.35
F-129	2-12A6-6K6-7B5	A	12,000	4-8-15-500	40	15	10	PS-1	2	1 1/16	2 5/8	2 1/2	3 1/8	2 1/2	5.35
F-130	2-807 PP	AB_2	4,200	50-125-200-250 333-500	120	75		PS-1	3	3 13/16	3 7/8	5	4 5/8	13 1/2	21.90
F-131	2-50 PP 2-6F6, 42, 2A5 PP	A AB_2	8,000	4-8-15-500	55	30		PS-1	2 1/4	2	2 1/16	3 1/4	3 1/2	3 1/2	7.30
F-132	4-807 PP Par.	AB_2	2,100	50-125-200-250 333-500	240	150		PS-1	3 1/2	3 3/8	4 7/16	4 3/4	5 7/16	14	27.50

The 500 ohms secondary is designed in such a way that it can be used with a 600 ohm line.

REPLACEMENT OUTPUT TRANSFORMERS

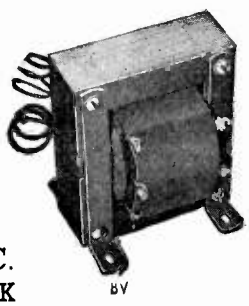
For coupling receiver audio output tube to speaker. These transformers are usually mounted on the loudspeaker frame.

Freed No.	Application or Tube Type	Class	Ohms Impedance		Pri. MA Per Side	Max. Wat.	Mtg. Type	Mtg. Centers	Dimensions			Wt. Lbs.	List Price
			Pri.	Sec.					W	D	H		
F-314	1-25L6, 48	A	1,500 or 2,000	3.2	55	5	CH-2	2"	2 3/8	1 5/8	1 7/16	1/2	$1.40
F-315	1-43, 45, 71-A, 12A5 1-25A6	A	4,000	3.2	40	5	CH-2	2"	2 3/8	1 5/8	1 7/16	1/2	1.40
F-316	1-2A5, 6A4, 6F6, 41 1-42, 47, 89	A	7,000	3.2	40	5	CH-2	2"	2 3/8	1 5/8	1 7/16	1/2	1.40
F-317	1-3Q5, 3S4, 1Q5, 1C5 1-1S4, 3A4	A	8,000	3.2	10	5	CH-2	2"	2 3/8	1 5/8	1 7/16	1/2	1.45
F-318	1-1D8, 1F5, 1T5, 38	A	14,000 or 16,000	3.2	10	5	CH-2	2"	2 3/8	1 5/8	1 7/16	1/2	1.45
F-319	1-3Q4 1-19PP, 1J6GPP, 1G6G 2-30PP, 49PP	A B B	10,000 CT	3.2	15	8	CH-2	2 3/8"	2 1/16	1 3/4	1 1/16	3/4	2.00
F-320	2-45PP-71PP, 43PP 2-25 AG PP	A	8,000 CT	3.2	40	10	CH-2	2 13/16"	3 1/4	2	2	1 1/4	2.70
F-321	2- 6F6 PP, 42 PP 2- 2A5PP, 6A4, P.P.	A	14,000 CT	3.2	40	8	CH-2	2 3/8"	2 1/16	1 3/4	1 1/16	3/4	2.00
F-322	1- 6V6	A	5,000	3.2	45	5	CH-2	2"	2 3/8	1 5/8	1 7/16	1/2	1.40

AUDIO TRANSFORMERS

Receiver and Amplifier

VIBRATOR TRANSFORMERS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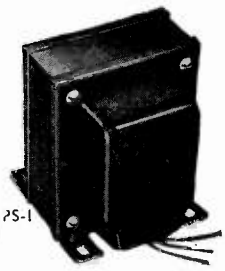
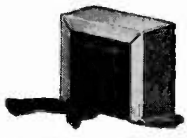

PS-1


CH-1

FREED TRANSFORMER CO., INC.

BROOKLYN 27 NEW YORK

RECEIVER AUDIO TRANSFORMERS

Designed for use in receiver audio circuits where a reasonably good frequency response is required. To be used for Class A applications, i.e., where no great current is drawn.

Freed No.	Classification	Application	Ohms Impedance Pr.	Ohms Impedance Sec.	Turns Ratio	Pri MA Per Side	Mtg. Type	Mtg. Centers W	Dimensions W	Dimensions D	Dimensions H	Wgt. Lbs.	List Price
F-550	Input	DB mike to grid	200/50	100,000	1:22.4		CH-1	2 1/16	3 1/4	2	2	1 1/4	$3.15
F-551	Input	SB mike to grid	100	100,000	1:31.6	100	CH-1	2 1/8	3 1/4	2	2	1 1/4	3.15
F-552	Input	Dyn. mike line or mixer to single or P.P. grid	200/50	100,000 CT	1:22.4		CH-1	2 1/16	3 1/4	2	2	1 1/4	3.40
F-553	Input	Line to single or P.P. class A grids	125/500	100,000 CT	1:14.1		CH-1	3 1/8	3 1/16	2 1/4	2 1/16	1 3/4	4.10
F-554	Input	Plate and single button mike to grid	10,000 100	100,000 100,000	1:3.16 1:31.6		CH-1	2 1/16	3 1/4	2	2	1 1/4	3.15
F-555	Input	Voice coil to grid	4/8	100,000	1:112		CH-1	2 1/8	3 1/4	2 1/4	2	1 1/2	3.65
F-556	Matching	DB mike to line	200/50	500/125			CH-1	3 1/8	3 1/16	2 1/4	2 1/16	1 3/4	4.50
F-557	Matching	High impedance mike to line or mixer	100,000	200/50	1:22.4		CH-1	3 1/8	3 1/16	2 1/4	2 1/16	1 3/4	4.50
F-558	Interstage	Single plate to single grid	10,000	90,000	1:3	8	CH-1	2 1/16	3 1/4	2	2	1 1/4	2.60
F-559	Interstage	Single plate to P.P. grids	10,000	90,000 CT	1:3	8	CH-1	2 1/16	3 1/4	2	2	1 1/4	2.70
F-560	Interstage	Single High Imp. plate to single grid	50,000	50,000	1:1	2	CH-1	2 1/16	3 1/4	2	2	1 1/4	4.25
F-561	Interstage	P.P. plates to P.P. grids	20,000 CT	20,000 CT	1:1	8	CH-1	2 1/16	3 1/4	2	2	1 1/4	4.25
F-562	Output	Single plate to line or mixer	10,000	200/50	7.1:1	8	CH-1	2 1/16	3 1/4	2	2	1 1/4	3.05
F-563	Output	Single plate to line	10,000	500/125	4.8:1	8	CH-1	2 1/16	3 1/4	2	2	1 1/4	3.05
F-564	Output	P.P. plates to line or mixer	20,000	200/50	10:1	8	CH-1	2 1/16	3 1/4	2	2	1 1/4	3.05
F-565	Output	P.P. plates to line	20,000	500/125	6.32:1	8	CH-1	2 1/16	3 1/4	2	2	1 1/4	3.05

AMPLIFIER AUDIO TRANSFORMERS

Designed for amplifier and transmitter audio circuits. To be used for Class "A" applications.

Fully enclosed shielded type construction, conservative design and good frequency response are the quality features of the amplifier audio transformers.

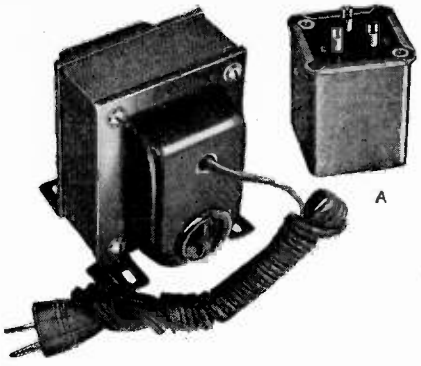
F-500	Input	DB mike to grid	200/50	100,000	1:22.4		PS-I	1 1/2	1 7/16	1 7/8	2 1/4	2 11/32	1 3/8	$3.75
F-501	Input	SB mike to grid	100	100,000	1:31.6	100	PS-I	1 1/2	1 7/16	1 7/8	2 1/4	2 11/32	1 3/8	3.75
F-502	Input	Dyn. mike line or mixer to single or P.P. grids	200/50	100,000 CT	1:22.4		PS-I	1 1/2	1 7/16	1 7/8	2 1/4	2 11/32	1 3/8	4.00
F-503	Input	Line to single or P.P. class A grids	150/600	100,000 CT	1:12.9		PS-I	1 3/4	1 1/2	2 3/16	2 3/8	2 23/32	2 1/8	4.75
F-504	Input	Plate and single button mike to grid	10,000 100	100,000 100,000	1:3.16 1:31.6		PS-I	1 1/2	1 7/16	1 7/8	2 1/4	2 11/32	1 3/8	3.75
F-505	Input	Voice coil to grid	4/8	100,000	1:112		PS-I	1 1/2	1 11/16	1 7/8	2 1/2	2 11/32	1 3/4	4.25
F-506	Matching	DB mike to line	200/50	500/125			PS-I	1 3/4	1 1/2	2 3/16	2 3/8	2 23/32	2 1/8	5.10
F-507	Matching	High Impedance mike to line or mixer	100,000	200/50	1:224		PS-I	1 3/4	1 1/2	2 3/16	2 3/8	2 23/32	2 1/8	5.10
F-508	Interstage	Single plate to single grid	10,000	90,000	1:3	8	PS-I	1 1/2	1 7/16	1 7/8	2 1/4	2 11/32	1 3/8	3.35
F-509	Interstage*	Single plate to PP grid	10,000	90,000	1:3	8	PS-I	1 1/2	1 7/16	1 7/8	2 1/4	2 11/32	1 3/8	3.45
F-510	Interstage	Single High Imp. plate to single grid	50,000	50,000	1:1	2	PS-I	1 1/2	1 7/16	1 7/8	2 1/4	2 11/32	1 3/8	4.80
F-511	Interstage*	PP plate to PP grids	20,000 CT	20,000 CT	1:1	8	PS-I	1 1/2	1 7/16	1 7/8	2 1/4	2 11/32	1 3/8	4.80
F-512	Output	Single plate to line or mixer	10,000	200/50	7.1:1	8	PS-I	1 1/2	1 7/16	1 7/8	2 1/4	2 11/32	1 3/8	3.65
F-513	Output	Single plate to line	10,000	500/125	4.8:1	8	PS-I	1 1/2	1 7/16	1 7/8	2 1/4	2 11/32	1 3/8	3.65
F-514	Output	PP plate to line or mixer	20,000 CT	200/50	10:1	8	PS-I	1 1/2	1 7/16	1 7/8	2 1/4	2 11/32	1 3/8	3.65
F-515	Output	P.P. plates to line	20,000 CT	500/125	6.32:1	8	PS-I	1 1/2	1 7/16	1 7/8	2 1/4	2 11/32	1 3/8	3.65

***Has Split Secondary Winding**

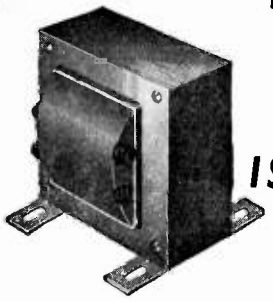
VIBRATOR TRANSFORMERS

Designed for Automobile Receivers Using A Vibrator from a Six Volt Battery Source.

Freed No.	D.C. Output Deliver by Sec. Volts	D.C. Output Deliver by Sec. Ma.	Style Mtg.	Mounting Dimensions W	Mounting Dimensions D	Dimensions W	Dimensions D	Dimensions H	Weight	List Price
F-450	225	40	BV	2	1 3/4	2 1/2	2	3 1/16	2	$4.25
F-451	250	50	BV	2	1 7/8	2 1/2	2 1/8	3 1/16	2 1/4	4.60
F-452	250	60	BV	2 1/4	1 3/4	2 1/16	2 1/8	3 1/16	2 1/2	5.30
F-453	275	70	BV	2 1/4	1 7/8	2 1/16	2 1/4	3 1/16	3	6.00
F-454	350	75	BV	2 1/4	2	2 1/16	2 3/8	3 1/16	3 1/2	6.50



PS-2



FV-1

FILTER CHOKES and HI "Q" REACTORS

FILAMENT, AUTO and ISOLATION TRANSFORMERS

FREED

TRANSFORMER CO., INC.
BROOKLYN 27 NEW YORK

HUM BUCKING CONSTRUCTION FILTER CHOKES

Designed for Series-Parallel Operation at Full Rated Load and Low Temperature Rise

Freed No.	Induct.	D.C. Cur.	D.C. Resis.	R.M.S. Test Volts	Mounting Type	Mtg. Dimensions W	Mtg. Dimensions D	Dimensions W	Dimensions D	Dimensions H	Weight Lbs.	List Price
F-700	320/80	3/6	6000/1500	2500	OC	2 1/8	1 3/4	2 5/8	2 1/4	3 1/8	3	$11.00
F-701	100/25	35/70	1400/350	2500	OC	3 9/16	2 1/8	4 1/8	3 1/2	4 5/8	7 1/2	11.25
F-702	50/12.5	50/100	600/150	2500	OC	2 9/16	2 3/8	3 1/8	2 1/8	3 1/8	5 1/2	11.25
F-703	50/12.5	100/200	528/132	3000	OC	4 1/2	3 5/8	5 1/8	4 3/8	5 3/8	10	20.30
F-704	16/4	125/250	240/60	3000	OC	3 9/16	2 1/8	4 1/8	3 1/2	4 5/8	7	11.25
F-705	16/4	175/350	88/22	5000	OC	4 1/2	3 5/8	5 1/8	4 3/8	5 3/8	10	20.30
F-706	24/6	200/400	160/40	7500	OC	5 1/2	5 1/2	6 5/8	6 5/8	7 1/4	20	36.50

HI "Q" REACTORS

To be used in filters or tuned circuits. Standard values range from 10 millihenries to 50 henries.

Freed No.	Application	Ind. Hen.	Cur. MA	DC Ohms	Mounting Type	Mounting Dimensions W	Mounting Dimensions D	Dimensions D	Dimensions W	Dimensions H	Weight Lbs.	List Price
F-750	Filters, tuned circuits	10	10	1200	A	1 5/8	*	1 1/8	1 1/8	2"	1/2	$ 5.70
F-751	Filter or tuned circuits	1	20	315	A	1 5/8	*	1 1/8	1 1/8	2"	1/2	5.70
F-752	Filter or tuned circuits	.25	20	80	A	1 5/8	*	1 1/8	1 1/8	2"	1/2	5.70
F-753	Filter or tuned circuits	2	30	190	OC	2 1/8	1 3/4	2 5/8	2 1/4	3 1/8	2	11.40
F-754	Filter or tuned circuits	.5	30	75	OC	2 1/8	1 3/4	2 5/8	2 1/4	3 1/8	2	11.40

FILAMENT TRANSFORMERS

The mounting dimension 1 5/8 is given between centers across corners.

Part No.	Fil. V	C.T. A	Test Volts R.M.S.	Mounting Type	Mounting Centers W	Mounting Centers D	Dimensions W	Dimensions D	Dimensions H	Weight Lbs.	List Price
F-210	2.5	3	1600	CH-1	2 3/8		2 1/16	1 3/4	1 1/8	3/4	$2.05
F-211	2.5	7.5	1600	CH-1	2 1/16		3 1/4	2	2	1 1/4	2.90
F-212	2.5	12	1600	CH-1	3 1/8		3 1/16	2 1/4	2 5/16	2	3.25
F-213	5	1.5	1600	CH-1	2 3/8		2 1/16	1 3/4	1 1/8	3/4	2.05
F-214	5	4	1600	CH-1	2 1/16		3 1/4	2	2	1 1/4	2.90
F-215	5	6	1600	CH-1	3 1/8		3 1/16	2 1/4	2 5/16	2	3.25
F-216	5	8	1600	FV-1	2	2 1/8	2 1/2	2 5/8	3 1/16	2 3/4	4.25
F-217	5	13	1600	FV-1	2 1/4	2 1/4	2 1/16	2 7/8	3 7/16	4	5.60
F-218	6.3	1.35	1600	CH-1	2 3/8		2 1/16	1 3/4	1 1/8	3/4	2.05
F-219	6.3	3	1600	CH-1	2 1/16		3 1/4	2	2	1 1/4	2.90
F-220	6.3	5	1600	CH-1	3 1/8		3 1/16	2 1/4	2 5/16	2	3.25
F-221	6.3	7	1600	FV-1	2	2 1/8	2 1/2	2 5/8	3 1/16	2 3/4	4.25
F-222	6.3	10	1600	FV-1	2 1/4	2 1/4	2 1/16	2 7/8	3 7/16	4	5.60
F-223	7.5	4	1600	CH-1	3 1/8		3 1/16	2 1/4	2 5/16	2	3.25
F-224	7.5	8	1600	FV-1	2 1/4	2 1/4	2 1/16	2 7/8	3 7/16	4	5.75
F-225	10	12	1600	FV-1	2 1/2	2 1/2	3 1/8	3 1/2	3 13/16	6	9.10

AUTO TRANSFORMERS

To be used as a step-down transformer. Equipped with standard receptacle and line cord.

Freed No.	V. A. Rating	230/115 50/60 cy.	Mounting Type	Mounting Centers W	Mounting Centers D	Dimensions W	Dimensions D	Dimensions H	Weight	List Price
F-900	100	" " "	PS-2	2 1/4	1 3/4	2 27/32	3	3 33/64	4 1/2	$8.40
F-901	200	" " "	PS-2	2 1/2	2 1/8	3 5/32	3 3/8	3 37/64	6 1/4	9.55
F-902	300	" " "	PS-2	3	2 1/16	3 15/16	3 5/8	4 1/4	7 1/4	12.15
F-903	400	" " "	PS-2	3	2 1/16	3 25/32	3 7/8	4 21/64	8.0	15.20
F-904	500	" " "	PS-2	3	3 1/16	3 39/64	4 7/8	4 21/64	13 1/2	18.25
F-905	750	" " "	PS-2	3 1/2	3 7/8	4 7/16	5 1/4	5 7/32	20	24.30
F-906	1000	" " "	PS-2	3 1/2	5 3/8	4 7/16	6 3/4	5 7/32	29	30.75
F-907	1500	" " "	PS-2	3 1/2	6 3/8	4 7/16	7 3/4	5 7/32	36	45.65
F-908 (no cord)	2000	" " "	PS-2	4 3/4	5	6 3/8	8 3/4	6 1/4	36 1/2	60.00
F-909 (no cord)	2500	" " "	PS-2	4 3/4	6 1/4	6 3/8	10	6 1/4	45 1/2	70.00
F-910 (no cord)	3000	" " "	PS-2	5 5/8	5 3/4	7 1/4	9 5/8	6 1/2	54 1/4	81.25

ISOLATION TRANSFORMERS

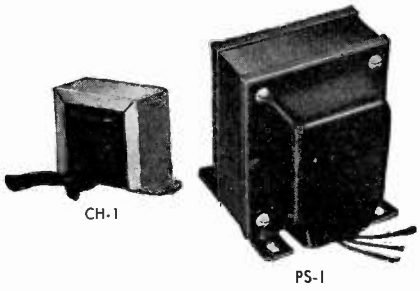
Electrostatic shield between primary and secondary. Equipped with standard receptacle and line cord.

Freed No.	V. A. Rating	115/115 50/60 cy.	Mounting Type	Mounting Centers W	Mounting Centers D	Dimensions W	Dimensions D	Dimensions H	Weight	List Price
F-920	50	" " "	PS-2	2 1/4	1 3/4	2 27/32	3	3 33/64	4 1/2	$9.10
F-921	100	" " "	PS-2	2 1/2	2 1/8	3 5/32	3 5/8	3 37/64	6 1/4	13.00
F-922	300	" " "	PS-2	3 1/2	3 3/8	4 7/16	4 3/4	5 7/32	18	32.85
F-923	500	" " "	PS-2	3 1/2	4 7/8	4 7/16	6 1/4	5 7/32	27	40.00

FILTER CHOKES and AUDIO REACTORS

FREED TRANSFORMER CO., INC.

BROOKLYN 27 NEW YORK



REPLACEMENT FILTER CHOKES

Freed No.	Ind. Henry	D.C. Cur.	D.C. Res.	R.M.S. Test Volt.	Mounting Type	Mtg. Centers W	Mtg. Centers D	Dimensions W	Dimensions D	Dimensions H	Weight	List Price
F-600	3	40	160	1600	CH-1	2		2 3/8	1 5/8	1 7/16	1/2	$1.40
F-601	4	40	200	1600	CH-1	2		2 3/8	1 5/8	1 7/16	1/2	1.40
F-602	6	40	300	1600	CH-1	2		2 3/8	1 5/8	1 7/16	1/2	1.40
F-603	9	40	400	1600	CH-1	2		2 3/8	1 5/8	1 7/16	1/2	1.40
F-604	11	40	500	1600	CH-1	2		2 3/8	1 5/8	1 7/16	1/2	1.40
F-605	7	55	200	1600	CH-1	2 3/8		2 13/16	1 3/4	1 11/16	3/4	1.45
F-606	9	55	300	1600	CH-1	2 3/8		2 13/16	1 3/4	1 11/16	3/4	1.45
F-607	10	55	400	1600	CH-1	2 3/8		2 13/16	1 3/4	1 11/16	3/4	1.45
F-608	13	55	500	1600	CH-1	2 3/8		2 13/16	1 3/4	1 11/16	3/4	1.45
F-609	20	30	1250	1600	CH-1	2		2 3/8	1 5/8	1 7/16	1/2	1.75
F-610	6	50	400	1600	CH-1	2		2 3/8	1 5/8	1 7/16	1/2	1.40
F-611	4	60	300	1600	CH-1	2		2 3/8	1 5/8	1 7/16	1/2	1.40
F-612	3	75	200	1600	CH-1	2		2 3/8	1 5/8	1 7/16	1/2	1.40
F-613	15	35	625	1600	CH-1	2 3/8		2 13/16	1 3/4	1 7/16	3/4	1.45
F-614	5	75	200	1600	CH-1	2 3/8		2 13/16	1 3/4	1 7/16	3/4	1.45
F-615	20	50	475	1600	CH-1	2 13/16		3 1/4	2	2	1 1/2	2.55
F-616	10	75	250	1600	CH-1	2 13/16		3 1/4	2	2	1 1/2	2.40
F-617	6	100	150	2000	CH-1	2 13/16		3 1/4	2	2	1 1/2	2.40
F-618	3.5	150	100	2000	CH-1	2 13/16		3 1/4	2	2	1 1/2	2.40
F-619	2	200	60	2000	CH-1	2 13/16		3 1/4	2	2	1 1/2	2.40

AMPLIFIER AND SMALL TRANSMITTER FILTER CHOKES Rated under full D.C. current.

Freed No.	Ind. Hen.	D.C. Cur.	D.C. Resis.	R.M.S. Test Volts	Mounting Type	Mounting Dimensions W	Mounting Dimensions D	Dimensions W	Dimensions D	Dimensions H	Weight	List Price
F-620	20	50	475	1600	PS-1	1 1/2	1 5/8	1 7/8	2 1/2	2 5/16	1 3/4	$3.15
F-621	10	75	250	1600	PS-1	1 1/2	1 3/8	1 7/8	2 1/4	2 5/16	1 1/2	3.05
F-622	6	100	150	2000	PS-1	1 1/2	1 3/8	1 7/8	2 1/4	2 5/16	1 1/2	3.05
F-623	3.5	150	100	2000	PS-1	1 1/2	1 3/8	1 7/8	2 1/4	2 5/16	1 1/2	3.05
F-624	2	200	60	2000	PS-1	1 1/2	1 3/8	1 7/8	2 1/4	2 5/16	1 1/2	3.05
F-625	20	75	375	1600	PS-1	1 3/4	1 1/2	2 5/16	2 3/8	2 11/16	2 1/8	3.25
F-626	10	110	210	2000	PS-1	1 3/4	1 5/8	2 5/16	2 1/2	2 11/16	2 1/4	3.40
F-627	5	150	100	2000	PS-1	1 3/4	1 1/2	2 5/16	2 3/8	2 11/16	2 1/8	3.25
F-628	20	100	400	2000	PS-1	2	1 5/8	2 5/8	3	3 1/16	3 1/2	4.95
F-629	10	125	240	2000	PS-1	2	1 11/16	2 5/8	2 3/4	3 1/16	3	4.60
F-630	12	160	180	2500	PS-1	2	2 1/16	2 5/8	3 1/8	3 1/16	3 1/2	4.95
F-631	7	200	100	2500	PS-1	2	1 13/16	2 5/8	3	3 1/16	3 1/2	4.95
F-632	5	250	70	3000	PS-1	2	1 13/16	2 5/8	3	3 1/16	3 1/2	4.95
F-633	12	180	235	2500	PS-1	2 1/4	1 7/8	2 27/32	3 1/8	3 33/64	4	5.70
F-634	10	200	150	2500	PS-1	2 1/4	2	2 27/32	3 1/4	3 33/64	4 1/4	5.85
F-635	5	300	65	3000	PS-1	2 1/4	2 1/8	2 27/32	3 3/8	3 33/64	4 1/2	5.85
F-636	20	160	330	2500	PS-1	2 1/2	2 1/8	3 5/32	3 7/16	3 57/64	5 1/8	7.30
F-637	15	200	200	2500	PS-1	2 1/2	2 5/16	3 5/32	3 5/8	3 57/64	5 1/2	7.30
F-638	10	250	135	3000	PS-1	2 1/2	2 5/16	3 5/32	3 5/8	3 57/64	5 1/2	7.30
F-639	20	250	160	3000	PS-1	3	3 1/16	3 25/32	4 1/4	4 11/64	10	9.90

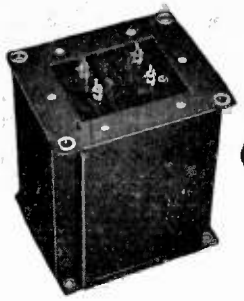
AMPLIFIER AND SMALL TRANSMITTER SWINGING CHOKES Rated under full D.C. current.

F-640	5–25	160	180	2500	PS-1	2	1 11/16	2 5/8	2 3/4	3 1/64	3	$4.95
F-641	5–25	180	235	2500	PS-1	2 1/4	1 7/8	2 27/32	3 1/8	3 33/64	4	5.70
F-642	5–20	200	150	2500	PS-1	2 1/4	2	2 27/32	3 1/4	3 33/64	4 1/4	5.85
F-643	5–30	200	200	2500	PS-1	2 1/2	2 5/16	3 5/32	3 5/8	3 57/64	5 1/2	7.30
F-644	5–20	250	135	3000	PS-1	2 1/2	2 5/16	3 5/32	3 5/8	3 57/64	5 1/2	7.30

PARALLEL FEED AUDIO REACTORS

Designed to eliminate the direct current component in the primary of audio transformers to be used as plate coupling reactor where the use of a high resistance is objectionable. Low distributed capacity insures excellent high frequency response.

F-645	100	10	3500	1600	CH-1	2		2 3/8	1 5/8	1 7/16	1/2	$1.95
F-646	350	.5	4900	1600	CH-1	2 3/8		2 13/16	1 3/4	1 11/16	3/4	2.10
F-647	500	.5	6150	1600	CH-1	2 13/16		3 1/4	2	2	1 1/2	3.00
F-648	700	.5	6150	1600	CH-1	2 13/16		3 1/4	2	2	1 1/2	3.00
F-649	30	35	650	1600	CH-1	2 13/16		3 1/4	2	2	1 1/2	2.55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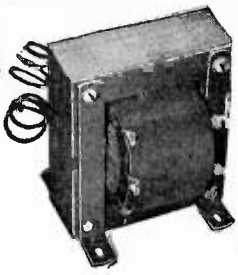
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CV-2


CH-2

AUDIO TRANSFORMERS

C Series

Universal OUTPUT TRANSFORMERS

FREED TRANSFORMER CO., INC.

BROOKLYN 27 NEW YORK

AUDIO TRANSFORMERS — C SERIES

A quality line of transformers used in Public Address amplifiers and transmitters. Uniform case design, universal mounting, conservative ratings, vacuum impregnation of coils and moisture proof sealing of all these transformers is one of the outstanding features of the C Series Audio Transformers.
Low level input and output transformers have a balanced hum bucking coil construction. The frequency response of all these units is flat within ± 2 db from 60 to 10,000 cps.

Freed No.	Classification	Application	Ohms Impedance Pr.	Ohms Impedance Sec.	Turns Ratio	Pri MA Per Side	Mtg. Type	Mtg. Centers W	Mtg. Centers D	Dimensions W	Dimensions D	Dimensions H	Wgt. Lbs.	List Price
F-150	Input	Microphone, line or mixer to grid	500*/333 250/200* 125/50	60,000 or 15,000	1:11		OC	2 1/8	1 3/4	2 5/8	2 1/4	3 1/8	1 3/4	$11.65
F-151	Input	Microphone, line or mixer to P.P. grids	500*/333 250/200* 125/50	120,000 CT	1:22		OC	2 1/8	1 3/4	2 5/8	2 1/4	3 1/8	1 3/4	11.65
F-152	Input	Dynamic mike to grid	60/38 30/22 15/10 5.5/2.5	60,000 or 15,000	1:31.6		OC	2 1/8	1 3/4	2 5/8	2 1/4	3 1/8	1 3/4	11.65
F-153	Input	Microphone, line or mixer to grid; magnetic shielding	500*/333 250/200* 125/50	50,000	1:10		OC	2 1/8	1 3/4	2 5/8	2 1/4	3 1/8	1 3/4	14.60
F-154	Matching	Microphone, mixer or line to low impedance line	500*/333 250/200* 125/50	500*/333 250/200* 125/50	1:1		OC	2 1/8	1 3/4	2 5/8	2 1/4	3 1/8	1 3/4	11.65
F-155	Matching	Dynamic mike or mixer to low impedance line	60/38 30/22 15/10 5.5/2.5	500*/333 250/200* 125/50	1:2.9		OC	2 1/8	1 3/4	2 5/8	2 1/4	3 1/8	1 3/4	11.65
F-156	Output	Single plate to line or mixer	10,000 to 15,000	500*/333 250/200* 125/50		8	OC	2 1/8	1 3/4	2 5/8	2 1/4	3 1/8	1 3/4	11.65
F-157	Output	Single plate to line or mixer; magnetic shielding	10,000 or 15,000	500*/333 250/200* 125/50			OC	2 1/8	1 3/4	2 5/8	2 1/4	3 1/8	1 3/4	14.60
F-158	Output	P.P. plates to line or mixer	20,000 CT	500*/333 250/200* 125/50		8	OC	2 1/8	1 3/4	2 5/8	2 1/4	3 1/8	1 3/4	11.65

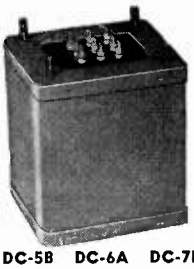
*Indicates balanced C.T.

UNIVERSAL OUTPUT TRANSFORMERS

Covering most applications. Correct matching for the various conditions can be obtained by the wide range of plate or line and voice coil impedances.

Freed No.	Classification or Application	Ohms Impedance Pri.	Ohms Impedance Sec.	Pri. MA	Max. Watts	Mtg. Type	Mounting Centers W	Mounting Centers D	Dimensions W	Dimensions D	Dimensions H	Wt. Lbs.	List Price
F-300	Universal single or P.P. tubes to speaker	From 1500 to 20,000	Adjustable .1-29	36	6	CH-2	2 3/4"		2 13/16"	1 3/4"	1 11/16"	3/4	$2.25
F-301				55	10	CH-2	2 13/16"		3 1/4"	2"	2"	1 1/4	2.90
F-302				80	15	CV-2	2 11/16"		3 1/16"	2 1/4"	2 3/4"	2 1/4	4.25
F-303	Universal single tube to speaker			60	10	CH-2	2 3/8"		2 13/16"	1 7/8"	1 11/16"	1	2.25
F-304	Universal P.P. tubes to speaker	From 3,000 to 10,000	Adjustable .1-29	60	20	CV-2	3 1/8"		3 5/8"	2 1/2"	3 1/8"	2 1/2	4.25
F-305	Universal single tube to line	2,500-4,000 5,000-7,000	500 600	60	12	CV-2	3 1/8"		3 5/8"	2 1/2"	3 1/8"	2 1/2	5.35
F-306	Universal P.P. tubes to line	8,000-10,000 12,000-14,000	500 600	60	12	CV-2	3 1/8"		3 5/8"	2 1/2"	3 1/8"	2 1/2	5.75
F-307	Line to tapped voice coil	500-1,000	Min. .06 to Max. 48		10	CV-2	2 11/16"		3 5/8"	2 1/4"	2 3/4"	1 1/4	4.60
F-308		1,500-2,000			15	CV-2	3 1/8"		3 5/8"	2 1/2"	3 1/8"	2 1/2	5.40
F-309		2,500-3,000			20	BV-2	2 1/4"	2 1/8"	2 13/16"	2 3/4"	3 7/16"	3 1/2	6.00
F-310					30	BV-2	2 1/2"	2 3/8"	3 1/8"	3 3/16"	3 13/16"	4 1/4	7.40
F-311	Line to voice coil	500/250	15-8-4-2		10	CV-2	2 3/8"		2 7/8"	2"	2 3/8"	1 1/4	3.40
F-312		500/250	50-25-16-8 4		60	BV-2	2 1/2"	2 1/4"	3 1/8"	3 1/4"	3 13/16"	4 1/4	9.10
F-313	Line to multiple speakers (auto-transformer)	500	250/166 125/100/84		70	BV-2	2 1/2"	2 1/4"	3 1/8"	3 1/4"	3 13/16"	4 1/4	9.10

DC-1 DC-2



DC-5B DC-6A DC-7B

HIGH FIDELITY OUTPUT TRANSFORMERS

LOW FREQUENCY HIGH "Q" COILS

HIGH "Q" TOROID INDUCTORS

Unmounted Core

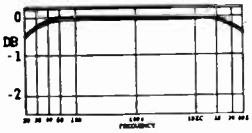
NS-1

FREED TRANSFORMER CO., INC.

BROOKLYN 27 NEW YORK

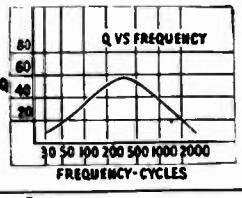
HIGH FIDELITY OUTPUT TRANSFORMERS

FREED No.	Primary Matches Following Typical Tubes	Primary Impedance	Secondary Impedance	±½ db from	Maximum Level	Type of Case	List
F-1950	Push pull 2A3's, 6A5G8s, 300A's, 275A's, 6A3's, 6L6's	5000 ohms	500, 333, 250, 200, 125, 50	20-30000 cycles	15 watts	DC-5B	$28.00
F-1951	Push pull 2A3's, 6A5G8s, 300A's, 275A's, 6A3's, 6L6's	5000 ohms	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	20-30000 cycles	15 watts	DC-5B	28.00
F-1954	Push pull 245, 250, 6V6, 42 or 2A5, A prime	8000 ohms	500, 333, 250, 200, 125, 50	20-30000 cycles	15 watts	DC-5B	28.00
F-1955	Push pull 245, 250, 6V6, 42 or 2A5, A prime	8000 ohms	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	20-30000 cycles	15 watts	DC-5B	28.00
F-1958	Push pull 6B5, 6A6, 53, 6F6, 59, 79, 89, 6V6, Class B 46, 59	10,000 ohms	500, 333, 250, 200, 125, 50	20-30000 cycles	15 watts	DC-5B	28.00
F-1959	Push pull 6B5, 6A6, 53, 6F6, 59, 79, 89, 6V6, Class B 46, 59	10,000 ohms	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	20-30000 cycles	15 watts	DC-5B	28.00
F-1962	Push pull parallel 2A3's, 6A5G's, 300A's, 6A3's, 6L6	2500 ohms	500, 333, 250, 200, 125, 50	20-30000 cycles	36 watts	DC-6A	35.00
F-1963	Push pull parallel 2A3's, 6A5G's, 300A's, 6A3's, 6L6	2500 ohms	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	20-30000 cycles	36 watts	DC-6A	35.00
F-1966	Push pull 6L6 or Push pull parallel 6L6	3800 ohms	500, 333, 250, 200, 125, 50	20-30000 cycles	50 watts	DC-7B	45.00
F-1967	Push pull 6L6 or Push pull parallel 6L6	3800 ohms	30, 20, 15, 10, 7.5, 5, 2.5, 1.2	20-30000 cycles	50 watts	DC-7B	45.00



LOW FREQUENCY HIGH "Q" COILS

FREED No.	Inductance Value	Type of Case
F-1900	100 HY	DC-2
F-1901	75 HY	DC-2
F-1902	50 HY	DC-2
F-1903	25 HY	DC-2



FREED No.	Inductance Value	Type of Case
F-1904	10 HY	DC-2
F-1905	5 HY	DC-2
F-1906	1 HY	DC-2

PRICES ON REQUEST

HIGH "Q" CHOKES . . . Used in Dynamic Noise Suppressors

FREED No.	Ind. Henry	D.C. Cur.	D.C. Res.	R.M.S. Test Volt.	Mounting Type	Mounting Centers W	Dimensions W	D	H	Weight	List Price
F-1980	0.6			500	CH-1	1 ½	1 ¾	1	1 ⅛	3 oz.	$4.90
F-1981	2.0			500	CH-1	1 ½	1 ¾	1	1 ⅛	3 oz.	4.90
F-1982	.4			500	CH-1	1 ½	1 ¾	1	1 ⅛	3 oz.	4.90
F-1983	1.3			500	CH-1	1 ½	1 ¾	1	1 ⅛	3 oz.	4.90

HIGH Q TOROID INDUCTORS

FREED NUMBER	INDUCTANCE VALUE	TYPE OF CASE
F-800T	5 MHY	DC-1
F-801T	10 MHY	DC-1
F-802T	15 MHY	DC-1
F-803T	30 MHY	DC-1
F-804T	50 MHY	DC-1
F-805T	75 MHY	DC-1
F-806T	100 MHY	DC-1
F-807T	150 MHY	DC-1
F-808T	200 MHY	DC-1
F-809T	500 MHY	DC-1
F-810T	750 MHY	DC-1
F-811T	1000 MHY	DC-1
F-812T	1250 MHY	DC-1
F-813T	1500 MHY	DC-1
F-814T	1750 MHY	DC-1
F-815T	2000 MHY	DC-1
F-816T	2250 MHY	DC-1
F-817T	2500 MHY	DC-1
F-818T	2750 MHY	DC-1
F-819T	3000 MHY	DC-1
F-820T	3500 MHY	DC-1
F-821T	4000 MHY	DC-1
F-822T	4500 MHY	DC-1
F-823T	5000 MHY	DC-1

FREED NUMBER	INDUCTANCE VALUE	TYPE OF CASE
F-850T	5 MHY	NS-1
F-851T	10 MHY	NS-1
F-852T	15 MHY	NS-1
F-853T	30 MHY	NS-1
F-854T	50 MHY	NS-1
F-855T	75 MHY	NS-1
F-856T	100 MHY	NS-1
F-857T	150 MHY	DC-1
F-858T	200 MHY	DC-1
F-859T	300 MHY	DC-1
F-860T	400 MHY	DC-1
F-861T	500 MHY	DC-1
F-862T	600 MHY	DC-1
F-863T	700 MHY	DC-1
F-864T	800 MHY	DC-1
F-865T	900 MHY	DC-1
F-866T	1000 MHY	DC-1
F-1800T	1 MHY	DC-1
F-1801T	2 MHY	DC-1
F-1802T	3 MHY	DC-1
F-1803T	4 MHY	DC-1
F-1804T	5 MHY	DC-1
F-1805T	10 MHY	DC-1
F-1806T	15 MHY	DC-1

FREED NUMBER	INDUCTANCE VALUE	TYPE OF CASE
F-1807T	30 MHY	DC-1
F-1808T	50 MHY	DC-1
F-1809T	75 MHY	DC-1
F-1810T	100 MHY	DC-1
F-1811T	150 MHY	DC-1
F-1812T	200 MHY	DC-1
F-1813T	300 MHY	DC-1
F-1814T	400 MHY	DC-1
F-1815T	500 MHY	DC-1
F-1850T	.5 MHY	DC-1
F-1851T	1 MHY	DC-1
F-1852T	2 MHY	DC-1
F-1853T	3 MHY	DC-1
F-1854T	4 MHY	DC-1
F-1855T	5 MHY	DC-1
F-1856T	10 MHY	DC-2
F-1857T	15 MHY	DC-2
F-1858T	20 MHY	DC-2
F-1859T	30 MHY	DC-2
F-1860T	40 MHY	DC-2
F-1861T	50 MHY	DC-2
F-1862T	75 MHY	DC-2
F-1863T	100 MHY	DC-2

STANDARD TOLERANCE ±2%

FOR TOLERANCES OF ±1%, ADD 7% TO COST

CASE SIZES

Type	Width	Depth	Height	Mounting	Screws	Weight
NS-1	1 ½"	1 ½"	2"	1 ⅜" between centers	6/32	8 oz.
DC-1	2 1/16"	1 1/16"	2 ½"	1 ½" x 1 ¼"	6/32	14 oz.
DC-2	2 5/8"	2 ¼"	3"	2" x 1 ¾"	6/32	16 oz.
DC-5B	4 1/16"	3 1/16"	4 ½"	3 ⅛" x 2 5/8"	10/32	6 ½ lbs.
DC-6A	4 1/16"	4 1/16"	4 7/8"	3 ¾" x 3"	10/32	10 lbs.
DC-7B	5 1/16"	4 1/16"	6 ¾"	4 ⅜" x 3 ⅛"	¼-20	20 lbs.

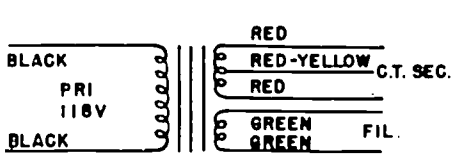
All inductors listed above can be supplied in hermetically sealed cans, commercial type construction or open units.

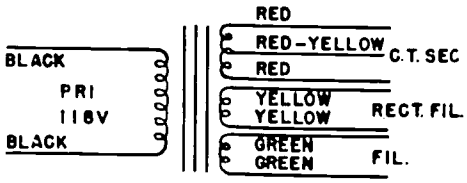
PRICES ON REQUEST

• Thermador Transformers •

POWER COMPONENTS

POWER TRANSFORMERS





TYPE NUMBER	CASE	HIGH VOLTAGE SECONDARY	SEC. CUR.	RECTIFIER FIL.	FILAMENT	DIMENSIONS H	W	D	MOUNTING CENTERS	WT.	PRICE
5A6640	A	330-0-330	40 MA	5V-2A	6.3VCT@2A	3 1/8	2 5/8	2 11/16	2 X 2	2#-8 OZ	$5.00
5A4056	A	205-0-205	50 MA		6.3V @2.5A	2 3/4	2 3/8	3 1/8	1 3/4 X 2 13/16	2#-5 OZ.	4.50
5A5066	A	270-0-270	60 MA	5V-2A	6.3V @2A	3 1/4	2 3/4	3 1/4	2 X 2 7/16	3#-6 OZ.	5.35
5A6076	A	300-0-300	65 MA		6.3V @2.7A	3 1/4	2 3/4	3 1/4	2 X 2 7/16	3#	5.25
5A6066	A	300-0-300	65 MA	5V-2A	6.3V @2.1A	3 1/4	2 3/4	3 1/4	2 X 2 7/16	3#-6 OZ.	5.75
5A6086	A	300-0-300	75 MA	5V-2A	6.3V @2.85A	3 9/16	2 15/16	3 1/8	2 1/4 X 2 1/6	3#	6.80
5A6096	A	350-0-350	90 MA	5V-2A	6.3VCT@3.15A	3 9/16	2 15/16	3 7/16	2 1/4 X 2 7/16	4#	7.10
5A6116	A	310-0-310	110 MA	5V-3A	6.3VCT@5A	4 1/8	3 5/8	3 5/16	2 3/4 X 2	6#	7.50
5A6146	A	300-0-300	135 MA	5V-3A	6.3VCT@3.3A	4 1/8	3 5/8	3 5/16	2 3/4 X 2 1/4	5#-13 OZ.	8.10
5A6196	A	320-0-320	185 MA	5V-3A	6.3VCT@6A	4 1/8	3 5/8	4	2 3/4 X 2 11/16	7#-8 OZ.	10.25

THERMADOR TRANSFORMERS

Superior materials, workmanship and performance have established these Thermador transformers as America's finest. Designed, engineered and produced by the West's largest manufacturer of transformers, the name Thermador guarantees their rugged, precision construction and their longer life.

REPLACEMENT TRANSFORMERS

Adaptable to a Particular Job: The transformer models listed have been engineered to cover the replacement field for both the old and new home radio receivers. The new line affords the widest range of application for use in receivers, amplifiers and small transmitters.

Thermatite Treated to Withstand Heat and Humidity: THERMADOR transformers are Thermatite treated, which is a well tested and approved form of vacuum impregnation. This treatment, proved on thousands of transformers under severe climatic conditions, gives these units the resistance to withstand extreme conditions of humidity and heat.

Thermador Electrical Manufacturing Company

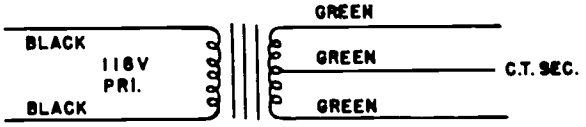
• Thermador Transformers •

POWER COMPONENTS

CHOKES

TYPE NUMBER	CASE	INDUCTANCE	CURRENT	RESISTANCE OHMS	DIMENSIONS H	W	D	MOUNTING CENTERS	WT.	PRICE
7L1005	L	10HY	50 MA	450	1 5/8	2 3/4	1 3/8	2 1/4	9OZ.	$2.10
7L1008	L	10HY	75 MA	380	2	3 1/8	1 1/2	1 3/4	8OZ.	2.35
7A1809	A	18HY	90 MA	600	2 7/8	2 3/8	2 13/16	1 3/4 X 1 15/16	1#-14OZ.	4.10
7A1414	A	14HY	135 MA	260	3 1/4	3 3/4	3	2 X 2 3/16	2#-12OZ.	4.85
7A0819	A	8HY CT	185 MA	212	3 3/16	2 11/16	3 3/8	2 X 2 1/2	3#-8OZ.	5.15

FILAMENT TRANSFORMERS



TYPE NUMBER	CASE	FILAMENT	CURRENT	TEST VOLTAGE	DIMENSIONS H	W	D	MOUNTING CENTERS	WT.	PRICE
6L6022	L	6.3 VCT	2.25A	2000	2	3 1/8	1 7/8	2 3/4	1#-8OZ.	$3.00
6A6042	A	6.3 VCT	4.0A	2000	2 3/4	2 3/8	3 3/16	1 3/4 X 2 1/4	2#-5OZ.	4.80
6A2422	A	12 V 12 V	2.0A 2.0A	2000	3 1/2	2 15/16	2 7/8	2 1/4 X 1 29/32	3#-4OZ.	6.00
6D2515	D	2.5 VCT	10A	5000	3 1/2	3	2 7/8	2 1/4 X 2	2#-12OZ.	5.75
6A6082	A	6.3 CT	8A	2000	3 1/2	2 15/16	3 1/4	2 1/4 X 2 9/32	3#-12OZ.	6.50
6D1014	O	10 VCT	10A	4000	4 1/16	3 5/8	3 1/4	2 3/4 X 2	4#-12OZ.	7.95

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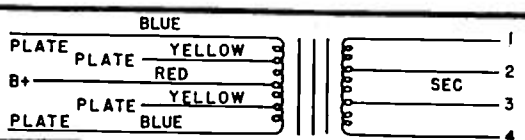
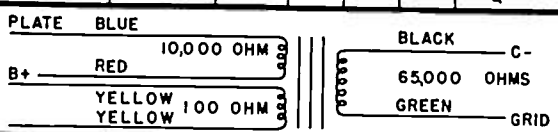
AUDIO COMPONENTS

OUTPUT TRANSFORMERS



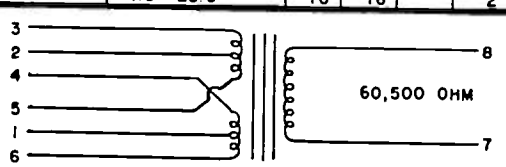
TYPE NUMBER	CASE	PRIMARY OHMS	SEC. OHMS	WATTS	PRI. MA	DIMENSIONS H	W	D	MOUNTING CENTERS	WT	PRICE
4L1026	L	5000, 7000, 10000 SINGLE	2-6	2	15	1 5/16	1 13/16	1 1/8	1 1/2	3OZ.	$2.90
4L1048	L	3500, 5000, 8000, 10000 SINGLE & P P	2-8	5	40	1 7/16	2 7/16	1 1/2	2	5OZ	3.10
4F7050	F	7000	3, 4, 8, 16 200, 500	5	40	2 7/8	2 1/4	2 1/2	1 5/8 X 1 13/16	1# - 8OZ.	9.50
4L4056	L	2000, 2500, 3000, 4000 SINGLE & P.P.	2-6	5	55	1 1/2	2 3/8	1 1/2	2	5OZ.	2.75
4L1056	L	4000, 5000, 7000, 10000, 14000 C.T.	2-16	10	50	1 15/16	3 1/16	1 3/4	2 3/4	1#	3.25
4L1051	L	4000, 5000, 8000, 10000 - P P	2-12	10	50	2 3/8	3	1 7/8	2 1/2	1# - 5OZ.	3.80
4L1046	L	2000, 2500, 3500, 5000, 7000, 10000, SINGLE, 3000, 5000 7000, 10000 P P	1-6	75	45	1 9/16	2 3/4	1 1/2	2	8OZ	2.95
4A8105	A	5000, 3000 C T P.P	4-8 16-500	15	95	2 3/4	2 3/8	2 7/8	1 3/4 X 1 15/16	1# - 12OZ.	6.00
4A7145	A	5000, 6800 CT P P	3, 4, 6, 8, 16-500	26	140	3 1/2	2 15/16	3 1/2	2 1/4 X 2 9/16	4# - 8OZ	9.75
		LINE TO VOICE COIL FOR MATCHING 500 OHM OUTPUT OF AMPLIFIER TO SERIES AND PARALLEL COMBINATIONS OF 500 OHM SPEAKERS									
4L2016	L	2000, 1500, 1000, 830, 500, 250	3, 4, 6, 8, 16	12		2 3/4	2 3/8	3	1 1/2	1# - 6OZ	$4.75

TRANSCEIVER



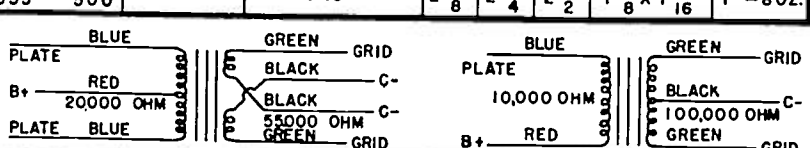
2L1726	L	100 - 10000	65000	TURNS RATIO 1.0 25.5	1 5/16	1 13/16	1	1 1/2	3OZ	$3.25

INPUT



2F5611	F	50, 125, 200, 250 333 500	50000	1 10	2 7/8	2 1/4	2 1/2	1 5/8 X 1 13/16	1# - 8OZ.	$16.25

INTERSTAGE



3A2602	A	20000 P P	55000 P P	1 1 73	2 7/8	2 3/8	2 3/8	1 3/4 X 2	1# - 13OZ	$6.00
3L1103	L	10000 SINGLE	100000 P P	1 316	1 5/8	2 3/4	1 3/8	2 1/4	8OZ	2.85

Thermador Electrical Manufacturing Company

• Thermador Transformers •

TELEVISION

POWER TRANSFORMERS

TYPE NUMBER	CASE	HIGH VOLTAGE SECONDARY	SEC. CUR.	RECT FIL	FIL	FIL.	DIMENSIONS H	W	D	MOUNTING CENTERS	WT.	PRICE
5A7026	A	350-0-350	200 MA	5V-3A	6.3V@7A	6.3V @1A	4 1/16	3 3/4	4 3/4	2 3/4 x 3 1/4	10#	$9.25
5A8026	A	380-0-380	220MA	5V-3A	6.3V@8.5A	6.3 @1.2A	4 15/16	4 5/16	4 1/4	3 3/8 x 3	11#	12.00
5B7035	B	365-0-365	300MA	5V-6A	5V@2A	12.6CT@6A	6 15/16	4 1/8	4 3/4	3 1/4 x 4	15 1/2#	15.00

CHOKES

TYPE NUMBER	CASE	INDUCTANCE	CURRENT	RESISTANCE OHMS	DIMENSIONS H	W	D	MOUNTING CENTERS	WT.	PRICE
7L0422	L	4 HY	220 MA	100	2 3/4	4 1/8	2 1/8	3 5/8	2 1/2#	$3.45
7L0130	L	1 HY	300 MA	37	2 1/4	3 7/8	2 1/2	3 5/16	2 1/4#	4.25

OUTPUT TRANSFORMERS

TYPE NUMBER	CASE	PRIMARY IMPEDANCE	SECONDARY IMPEDANCE	WATTS	PRI MA	DIMENSIONS H	W	D	MOUNTING CENTERS	WT.	PRICE
4L6350	L	8000 OHMS	3.2 OHMS	10	50	2	3 1/4	1 5/8	2 3/4	1#-5oz.	$3.70
4D1001	D	VERTICAL OUTPUT TRANSFORMER FOR USE IN CIRCUITS USING TYPE 201D1 AND 201D2 DEFLECTION YOKES. RATIO 10:1				3 3/16	2 11/16	3 1/4	2 x 2 5/16	2 1/2#	7.50

STEP-DOWN 230-115 VOLTS

TYPE NUMBER	CASE	RATING VA	CONNECTIONS	DIMENSIONS H	W	D	MOUNTING CENTERS	WT.	PRICE
5A1150	A	150	EQUIPPED WITH AC CORD AND PLUG	3 1/2	3	3 1/4	2 1/4 x 2 1/8	4#	$11.00
5A1250	A	250	EQUIPPED WITH AC CORD AND PLUG	4 1/8	3 3/4	3 3/4	2 3/4 x 2 1/4	6#	15.50
5A1500	A	500	EQUIPPED WITH AC CORD AND PLUG	5	4 3/8	5	3 3/8 x 3 1/2	13#	19.85
5A1600	A	600	EQUIPPED WITH AC CORD AND PLUG	5	4 3/8	5 1/4	3 3/8 x 3 7/8	14 1/2#	20.45
5K1800	K	800	EQUIPPED WITH AC CORD AND PLUG	8 1/4	7 1/4	5 3/8	6 11/16 x 4 3/8	22 1/2#	43.20
5K1999	K	1000	EQUIPPED WITH AC CORD AND PLUG	8 1/4	7 7/8	6 1/4	7 1/4 x 5 1/8	25#	56.25

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• Thermador Transformers •

STUDIO QUALITY TRANSFORMERS

INPUT TRANSFORMERS

TYPE NUMBER	CASE	PRIMARY IMPEDANCE	SECONDARY IMPEDANCE	PRI. IND @ IMV	TURN RATIO	SHIELDING & HUM REDUCTION	TERMINALS	RESPONSE	WT.	PRICE
SQ2	HB	500*-333-250 200*-125*- 50*	100000 PP GRIDS	6H	1:14.1	90 DB REDUCTION 1PM & HUM-BUCKING	9	2DB DOWN @ 20C 2DB DOWN @ 10KC	7OZ.	$21.00
SQ4	HM	500*-333-250 200*-125*- 50*	50000 GRIDS	6H	110	45DB SHIELDING 1PM	8	2DB DOWN @ 20C 2DB DOWN @ 20KC	3 1/2 OZ.	17.00

*BALANCED WINDINGS **BALANCED DC WINDINGS

TONE CHOKES

TYPE NUMBER	CASE	INDUCTANCE	Q	SHIELDING	TERMINALS	D.C. CURRENT	WT.	PRICE
SQ96	HB	200*-163-141-121*-115 110-87.5-83.2-71.4-67.3 63.5-53*-50*-46.8*-37.8 35.1-32.5-25.15-22.9-20.7 13.3*-11.68*-7.5*-5.2-1.87 HENRIES	3-8	90 DB 1PM AND HUM-BUCKING	8	8 MA MAX	7OZ	$18.00
SQ98	HB	16*-12.45-11.35*-9.62-9.4* 8.4-6.95-6.08-5.9-5.07 4.87*-4.7-4*-3.33-3.2* 3.05-2.45-2.36*-1.85-1.64* 1.22*-.86*-.8-.41*-.215* HENRIES	3-8	90 DB 1 PM HUM-BUCKING	8	10 MA MAX	7OZ	17.00

BALANCED WINDINGS

OUTPUT TRANSFORMERS

TYPE NUMBER	CASE	PRIMARY IMPEDANCE	SEC IMP.	PRI. OCL 60 CYCLES	USE	WATTS	MAX. DB LEVEL	PRI CUR.	RESPONSE	WT.	PRICE
SQ30	HG	15000 Ω OR 3750 Ω	500* 125	200 H	2-6C5 2-6J5 2-6SN7 ETC	1-2	30 DB	10 MA	1 DB DOWN @ 20C 1 DB DOWN @ 25KC	1#	$25.00
SQ32	F5	10000 Ω OR 8000 Ω	500*-125 16*-12-8* 6-4-2	85 H	2-6V6 2-7C5 2-6K6 ETC	10 TO 12	33 DB	80 MA	2DB DOWN @ 20C 0DB DOWN @ 25KC	3 3/4#	30.00
SQ34	F6	5000 Ω OR 3000 Ω	500*-125 16*-12-8* 6-4-2	45 H	2-6B4 2-2A3 2-6A3 ETC	15	34 DB	80 MA	1 1/2 DB DOWN @ 20C 0DB DOWN @ 25KC	6#	32.00
SQ36	F7	6600 Ω OR 5000 Ω	500*-125 16*-12-8* 6-4-2	52 H	2-6L6 A, ORAB 2-815 ETC	26.5	36.5 DB	145 MA	2DB DOWN @ 20C 0DB DOWN @ 25KC	8 3/4#	38.50
SQ38	F7	2500 Ω OR 1500 Ω	500*-125 16*-12-8* 6-4-2	23 H	4-2A3 4-6A3 4-6B4	30	37 DB	160 MA	1 1/2 DB DOWN @ 20C 0DB DOWN @ 25KC	9 1/2#	40.50
SQ40	K1	6000 Ω OR 3800 Ω	500*-125 16*-12-8* 6-4-2	48 H	2-6L6 AB,	45	39 DB	205 MA	2DB DOWN @ 20C 0DB DOWN @ 25KC	15 3/4#	48.50
SQ42	K1	3300 Ω OR 2500 Ω	500*-125 16*-12-8* 6-4-2	27 H	4-6L6 AORAB, 2 807	60	40 DB	280 MA	2DB DOWN @ 20C 0DB DOWN @ 25KC	17#	52.50

*BALANCED WINDINGS

CASE SIZES

CASE	H	W	D
F-4	3 5/16	2 3/8	2 7/8
F-5	3 3/4	2 7/8	3 1/8
F-6	4 7/16	3 3/8	3 5/8
F-7	4 15/16	3 7/8	4 13/32
K-1	6 1/2	4 1/4	4 3/4

CASE	H	DIAMETER
HM	1 11/16	1 3/8
HB	2	1 3/8
HG	2 5/8	2 1/8

NOTE THE HM, HB, AND HG CASES ARE HERMETICALLY SEALED AND MOUNT INTO STANDARD TUBE SOCKET PUNCHING 1 1/2" CENTERS

Thermador Electrical Manufacturing Company

• Thermador Transformers •

STUDIO QUALITY TRANSFORMERS

DRIVER TRANSFORMER

TYPE NUMBER	CASE	PRIMARY	SECONDARY	USE	PRI CURRENT	RESPONSE	WT.	PRICE
SQ-10	F4	15000* OHM OR 3750 OHM	135000 OHM * * BLANCED SPLIT WINDINGS	SINGLE OR P.P. DRIVERS	12 MA	1 1/2 DB DOWN @ 25C 0 DB DOWN @ 25KC	3#	$24.00

POWER TRANSFORMER

TYPE NUMBER	CASE	PRIMARY VOLTAGE	SECONDARY VOLTAGE	FIL.NO.1	FIL.NO.2	FIL NO.3	WT	PRICE
SQ-80	F-7	105 115 125	380-320-80-0-320-380 @ 120 MA	5VCT @ 3A	6.3VCT @ 4A	2.5VCT @ 5A	9 1/2#	$24.00
SQ-82	K-1	105 115 125	420-375-80-0-375-420 @ 200 MA	5VCT @ 3A	6.3V @ 5.5A	2.5VCT @ 10A	13 1/2#	30.00
SQ-84	K-1	105 115 125	575-440-60-0-440-575 @ 325 MA	5VCT @ 6A	6.3VCT @ 4A	6.3VCT @ 2.5A	19 1/4#	34.50

CHOKES

TYPE NUMBER	CASE	INDUCTANCE	CURRENT	D.C. RESISTANCE	VOLTAGE INSULATION	WT.	PRICE
SQ-90	F-6	16/4	120 MA OR 240 MA	250 OHMS	2000	6 1/2#	$19.50
SQ-92	F-7	16/4	175 MA OR 350 MA	185 OHMS	2500	9 3/4#	24.00

STUDIO QUALITY TRANSFORMERS

THE HI-FIDELITY series of audio equipment listed above represents the highest degree of quality yet attained in audio transformers. In addition to the absolute moisture elimination provided by "Thermatite" treatment, THERMADOR hi-fidelity transformers have the following advantages:

Wide Frequency Range: Transformers of the SQ series are linear within one db. from 20 to 20000 cycles.

Balanced Winding. THERMADOR transformers are constructed to give the best practical magnetic, capacity and resistive balance. In designs where capacity balance is important, each winding is made up of two symmetrical coils. Input transformers are supplied with a static shield between primary and secondary.

Low Harmonic Distortion: THERMADOR transformers are designed to offer the proper load impedance to the tubes with which they operate. Maximum primary inductance, low leakage reactance and low flux densities in the core permit unusually low harmonic levels.

Catalog with case types illustrated is available upon request. For full information write to:

Thermador Electrical Manufacturing Company

TRANSFORMERS

MERIT Since 1924 FINE RADIO PARTS

OUTPUT TRANSFORMERS Receiver Replacement Type

To couple the plate or plates of the output stage to the speaker voice coil. Sec. impedance—3.5 ohms.

Type No.	List Price	Tube	Class	Pri. Impedance	Pri. M.A.	Max. Watts	Mtg. Centers	Dimen. H.	Dimen. W.	Dimen. D.	Mtg.
A-3025	$1.25	7A5, 35A5, 35C5, 50C5, 32L7, 35L6, 50B5	A	2500	50	3	1¾	1⅜	1⅞	⅞	A
A-3026	1.25	6V6, 7C5, 25AC5, 35A5, 35B5, 35L6	A	5000	40	3	1¾	1⅜	1⅞	⅞	A
A-2927	1.25	Single 1C5-G, 1G5-G, 1G5, 1S4, 3Q4, 3Q5, 3S4, 6A4	A	8000	20	3	1½	1⅜	1⅞	1	B
A-2928	1.40	Single 2A3, 6A3, 6B4, 6Y6, 25AC5, 25B6, 25N6, 25L6, 35A5, 35L6, 50L6, 48, 50B5, 35B5, 50A5	A	2000	60	5	2	1⅜	2⅜	1¼	A
A-2930	1.45	Single 6V6, 7C5, 12A, 12A5, 25A6, 25A7, 35A5, 35L6, 31, 45, 50, 59	A	5000	40	5	2	1⅜	2⅜	1¼	A
A-2935	3.00	PP 6L6	A	5000 c.t.	150	18	2 13/16	2	3¼	1⅜	A
A-2931	1.45	Single 2A5, 6AC5, 6B5, 6F6, 6K6, 6N6, 7B5, 20, 31, 42, 47, 50, 6V5	A	7000	30	5	2	1⅜	2⅜	1¼	A
A-2932	1.45	Single 1C5, 1Q5, 3C5, 6A4, 6G6, 6N7, 6R7, 12A, 38, 41, 49, 3V4	A	10000	30	5	2	1⅜	2⅜	1¼	A
A-2938	2.10	Single 19, 1G6, 1J6	B	10000 c.t.	40	5	2	1⅜	2⅜	1¼	A
A-2936	2.40	PP 1H4, 30, 49 PP 6AC5	B								
A-2933	1.80	PP 6V6, 7C5 Single 1D8, 7B5, 6K6, 6G6	AB_1	10000 c.t.	75	10	2⅜	1⅝	2 13/16	1½	A
A-2934	1.55	Single 1D8, 1F4, 1F5, 1J5, 1T5, 6V7, 12A7, 85	A	12000	10	5	2	1⅜	2⅜	1¼	A
A-2937	1.75	Single 1A5, 1N6, 6V7, 85 PP 1E7, 1J5, 6G6, 3A4, 3V4	A	15000	10	5	2	1⅜	2⅜	1¼	A
			A	25000 c.t.	10	5	2	1⅜	2⅜	1¼	A

OUTPUT TRANSFORMER KITS

	List Price	
Kit No. 1	$12.85	(2 ea.) A-2928, (1 ea.) A-2930, A-2931, A-2932, A-2934, A-2936, A-2937
Kit No. 2	13.15	(2 ea.) A-2928, A-2937, (1 ea.) A-2930, A-2931, A-2934, A-2936
Kit No. 3	12.95	(1 ea.) A-2928, A-2930, A-2931, A-2932, A-2933, A-2934, A-2937, A-2938
Kit No. 4	14.00	(2 ea.) A-2928, A-2931, A-2936, A-2937

FILTER TAPPED OUTPUT TRANSFORMERS Pri. has 3% and 6% Humbucking Taps Sec. Impedance 3-4 ohms

Type No.	List Price	Tube	Class	Pri. Impedance	Pri. M.A.	Max. Watts	Mtg. Centers	Dimensions H	Dimensions W	Dimensions D	Mtg.
A-3031	$1.75	Single 2A3, 6A3, 7A5, 25L6, 35A5, 35B5, 35L6, 45, 50B5, 50L6	A	3000	50	5	2	1⅜	2⅜	1¼	A
A-3032	1.75	Single 6V6, 6B5, 7C5, 6F6	A	6000	40	5	2	1⅜	2⅜	1¼	A

SPECIAL OUTPUT TRANSFORMERS To Couple Push Pull Plates to Line or Voice Coil Sec. Impedance 2-4-8-15-250-500 ohms

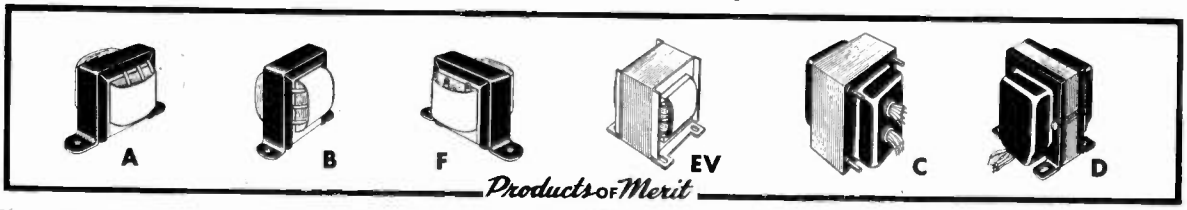
Type No.	List Price	Tube	Class	Pri. Impedance	Pri. M.A. per Side	Max. Watts	Mtg. Centers	Dimensions H	Dimensions W	Dimensions D	Mtg.
A-3027	$5.50	PP2A5, 6V6, 7C5, 19, 6F6 PP1H4G, 1J6, 6AC5, 49	A AB_1 B	10000 c.t.	45	15	2 13/16	2	3¼	1¾	F
A-3028	6.25	PP6L6 PP2A3	A_1 AB_1	5000 c.t.	70	20	3⅛	2 5/16	3 11/16	2	F

VERTICAL OUTPUT TRANSFORMER

Type No.	List Price	Turns Ratio Primary to Secondary	Mtg. Centers	Dimensions H.	Dimensions W.	Dimensions D.	Mtg. Type
★A-3035	$5.25	10:1	1 19/32 x 2	3⅛	2 11/16	2½	EV

★Indicates TV Replacements.

All prices subject to trade discount, and change without notice.



Products of Merit

TRANSFORMERS

BLOCKING OSCILLATOR TRANSFORMER

Type No.	List Price	Turns Radio Primary to Secondary	Mtg. Centers	Dimensions H.	Dimensions W.	Dimensions D.	Mtg. Type
★A-3000 Vertical	$2.00	1:4.2	2	1 3/8	2 3/8	1 1/4	A
★A-3002 Horizontal	2.25	2:1	2	1 3/8	2 3/8	1 1/4	A

DUAL PRIMARY OUTPUT TRANSFORMERS

For Use with AC-DC Battery Portable Receivers—Sec. Impedance 3-4 ohms

Type No.	List Price	Tube	Class	Pri. Impedance	Pri. M.A.	Max. Watts	Mtg. Centers	H	W	D	Mtg.
A-3029	$1.75	Single 25AC5, 25B6, 25L6, 25N6, 35A5, 35B5, 35L6, 50A5, 50B5, 50L6 OR Single 1S4, 1Q5, 3Q4, 3Q5, 3V4	A A	2000 or 6000	60 or 10	5	2	1 3/8	2 3/8	1 1/4	A
A-3030	1.75	Single 25AC5, 25B6, 25L6, 25N6, 35A5, 35L6, 50A5, 50B5, 50L6 OR Single 1S4, 1Q5, 3Q4, 3Q5, 3V4	A A	2000 or 10000	60 or 10	5	2	1 3/8	2 3/8	1 1/4	A

UNIVERSAL OUTPUT TRANSFORMERS

To Provide Correct Coupling Between a Variety of Output Tubes and Any Speaker Voice Coil

Type No.	List Price	Tube	Ohms Impedance Pri.	Sec.	Pri. M.A.	Max. Watts	Mtg. Centers	H.	W.	D.	Mtg.
A-2900	$2.40	Single or Push-pull	4000-7000-8000-10000-14000 c.t.	.17 to 32	35	4	2	1 3/8	2 3/8	1 1/4	F
A-2901	2.55	Single or Push-pull	4000-7000-8000-10000-14000 c.t.	.17 to 32	40	8	2 3/8	1 5/8	2 13/16	1 1/2	F
A-2902	2.50	Single	1500-2000-4000-5000-7000-10000	.1 to 40	55	10	2 3/8	1 5/8	2 13/16	1 1/2	F
A-2903	2.00	Single	2000-4500-7000-10000	3.2	30	4	2	1 3/8	2 3/8	1 1/4	G
A-2904	3.25	Single or Push-pull	4000-7000-8000-10000-14000 c.t.	.17 to 32	40	18	2 3/8	2 1/4	2 7/8	1 7/8	F
A-2905	4.25	Single or Push-pull	3000-5000-7000-8000-10000 c.t.	.17 to 32	70	24	3 1/8	2 1/4	3 11/16	2 1/8	F
A-2998	2.00	Single	3500-5000-7000-10000	3.2	35	3	1 3/4	1 1/8	2 1/8	1 1/8	F
A-2999	2.00	Single	12000-15000-18000-25000	3.2	10	3	1 3/4	1 1/8	2 1/8	1 1/8	F

HEAVY DUTY OUTPUT TRANSFORMERS

High Level Type to Couple to Line or Speaker. Sec. Impedance: 4-8-15-250-500 ohms

Type No.	List Price	Tube	Class	Pri. Impedance	Pri. M.A. per Side	Max. Watts	H.	W.	D.	Mtg.
A-3127	$5.00	Single 6L6, 2A3, 6A3, 6Y6	A	2500	80	8	3 1/8	2 5/8	2 1/2	D
A-3128	8.00	PP6Y6, 6F6	AB_1	8000 c.t.*	50	14	3 1/2	2 13/16	3 1/8	D
A-3129	8.00	PP6L6	AB_1	4300 c.t.*	95	25	3 1/2	2 13/16	3 1/8	D
A-3130	8.75	PP6L6	AB_1	6600 c.t.*	80	34	3 7/8	3 3/16	3 5/8	D
A-3131	7.00	PP6L6, 6Y6, PP2A3, 6A3, 6B4, 45, PP6N7, 46	A AB B	5000 c.t.	80	30	3 1/2	2 13/16	3 1/8	D
A-3132	7.00	PP6F6,2A5, 7C5, Single 6N7, 6A6	AB_2 B	10000 c.t.	40	25	3 1/2	2 13/16	3 1/8	D
A-3133	11.50	P.P. Par. 6L6, P.P. 807	AB_1	3300 c.t.	240	55	4 5/8	3 13/16	4	D†

* 10% Feedback Winding. † Mtg. Centers 3 x 2 13/16.

UNIVERSAL LINE TRANSFORMERS

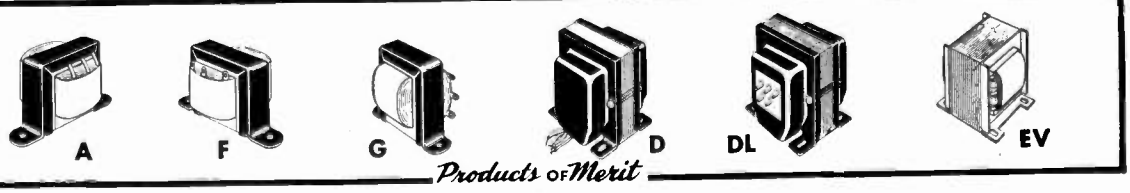
To Couple Various Line Impedances to a Voice Coil

Type No.	List Price	Ohms Impedance Pri.	Ohms Impedance Sec.	Watts	Mtg. Centers	Dimensions H.	Dimensions W.	Dimensions D.	Mtg.
A-2906	$2.25	500-1000-1500-2000	3.2, 6-8	10	2 3/8	1 5/8	2 13/16	1 1/2	F
A-2907	3.75	500-1000-1500-2000	3.2, 6-8	18	2 3/8	2 1/4	2 7/8	1 7/8	G
A-2908	4.00	500-1000-1500-2000	6-8, 16	24	3 1/8	2 1/4	3 11/16	2 1/8	F
A-2909	2.25	45-50	3.2, 6-8	8	2	1 5/8	2 13/16	1 1/2	G
A-3005	1.75	500	3.2, 6-8	5	2	1 3/8	2 3/8	1 1/4	A

For Use With Constant 70.7V. Line as Recommended by the RMA. Rated Power is Furnished on Lowest Tap. Other Taps Provide Reduction in Power in Steps of 3DB.

A-3014	$2.75	500-1000-2000-4000-8000	4-8-16	10	2 3/8	1 5/8	2 13/16	1 1/2	F
A-3015	4.25	275-550-1100-2200-4400-8800	4-8-16	18	2 3/8	2 1/4	2 7/8	1 7/8	G
A-3016	4.75	210-420-840-1680-3360-6720	4-8-16	24	3 1/8	2 1/4	3 11/16	2 1/8	F

All prices subject to trade discount, and change without notice.



TRANSFORMERS

TUBE TO LINE TRANSFORMERS For Coupling Single or Push-Pull Plates to Line or Mixer

Type No.	List Price	Ohms Impedance		Pri. M.A.	Mtg. Centers	Dimensions			Mtg.
		Pri.	Sec.			H.	W.	D.	
A-2925	$3.75	20000 c.t.	500/125	10	2 13/16	2	3 1/4	1 5/8	A
A-2926	3.75	20000 c.t.	200/50	10	2 13/16	2	3 1/4	1 5/8	A
†A-3023	4.25	5000-10000-20000 c.t.	500/333/200/125/50	15	2 13/16	2	3 1/4	1 3/4	F
†A-3024	9.00	5000-10000-20000 c.t.	500/333/200/125/50	50	2x1 11/16	3 3/16	2 5/8	2 3/4	DL

†20,000 ohm center tapped.

INPUT TRANSFORMERS For Coupling Microphone or Line to Single or Push-Pull Grids

Type No.	List Price	Ohms Impedance		Turns Ratio	Mtg. Centers	Dimensions			Mtg.
		Pri.	Sec.			H.	W.	D.	
A-2923	$2.25	3.2	50000	1:125	2	1 5/8	2 3/8	1 1/4	A
A-2918	3.50	100	400000 c.t.	1:64	2 13/16	2	3 1/4	1 5/8	A
A-2919	3.25	200/50	100000	1:22	2 13/16	2	3 1/4	1 5/8	A
A-2924	3.75	500/125	100000 c.t.	1:14	2 13/16	2	3 1/4	1 5/8	A

INTERSTAGE TRANSFORMERS To Couple a Single Plote to a Single Grid

Type No.	List Price	Ohms Impedance		Turns Ratio	Pri. M.A.	Mtg. Centers	Dimensions			Mtg.
		Pri.	Sec.				H.	W.	D.	
A-2910	$2.00	10000	90000	3:1	10	2	1 3/8	2 3/8	1 1/4	A
A-2911	2.25	10000	90000	3:1	10	2 3/8	1 5/8	2 13/16	1 1/2	A
To Couple a Single Plate to Push-Pull Grids										
A-2914	2.25	10000	90000 c.t.	3:1	10	2	1 3/8	2 3/8	1 1/4	A
A-2915	2.50	10000	90000 c.t.	3:1	10	2 3/8	1 5/8	2 13/16	1 1/2	A
A-2916	3.00	10000	90000 c.t.	3:1	10	2 13/16	2	3 1/4	1 5/8	A
To Couple Push-Pull Plotes to Push-Pull Grids										
A-2912	3.50	10000 c.t.	90000*	3:1	10 per side	2 13/16	2	3 1/4	1 5/8	A
A-2913	3.00	20000 c.t.	20000 c.t.	1:1	10 per side	2 3/8	1 5/8	2 13/16	1 1/2	A
A-2917	3.50	20000 c.t.	45000 c.t.	1.5:1	10 per side	2 13/16	2	3 1/4	1 5/8	A

*Split secondary.

DRIVER TRANSFORMERS To Couple Driver Plate to Amplifier Grids

Type No.	List Price	Driver	Output	Ratio, Pri. to ½ Sec.	Class	Pri. M.A.	Mtg. Centers	Dimensions			Mtg.
								H.	W.	D.	
A-2920	$2.50	6C5, 1H4, 30, 49	Single 1J6, 19, Push-pull 30, 49	2.5:1	B	10	2 3/8	1 5/8	2 13/16	1 1/2	A
A-2921	3.50	6F6 2A5, 42	PP6F6, 2A5, 6L6	1.7:1, 1.5:1, 1.3:1	AB	35	2 13/16	2	3 1/4	1 5/8	A
A-2922	4.00	6A6, 6C5, 6N7, 46	Single 6A6, 6N7, Push-pull 46	5:1, 4:1, 3:1, 2.5:1	B	20	2 13/16	2	3 1/4	1 5/8	A
A-3120	10.50	500 ohm line	Class B Grids 15 Watt Capacity	1:.75, 1:.85, 1:1, 1:1.25, 1:1.45, 1:1.75, 1:2, 1:2.25, 1:2.5, 1:2.75, 1:3	B	------	2 3/16 x 2	3 3/16	2 5/8	3 3/8	DL
A-3121	12.00	500 ohm line	Class B Grids 30 Watt Capacity		B	------	2 1/4 x 2 1/4	3 9/16	3	3 3/4	DI
A-3123	5.00	PP6A6, 53, PP6C5, 6N7, 6J5	PP6N7, 6A6, 53, PP6L6, T21	5:1*	B / AB2	15	2 x 1 11/16	3 1/8	2 5/8	2 5/8	D
A-3124	5.00	6F6, 46, 59, 2A5, 42	PP46, 59, PP6L6, 807	2.2:1	B / AB2	30	2 x 1 11/16	3 1/8	2 5/8	2 5/8	D
A-3125	7.00	6F6, 2A5, 47, 42	PP6L6	1.4:1*	AB2	40	2 1/4 x 2	3 1/2	2 15/16	3 1/8	D
A-3126	5.75	PP2A3, 6L6, 45, 6V6, 6F6	PP800, 203A, 811, 812, 812A, RK18, RK58, T20, TZ40, T55, 807, 809, 838, 845, 35, 100TH	2:1	B	40	2 x 1 11/16	3 1/8	2 5/8	2 5/8	D

*Split secondary.

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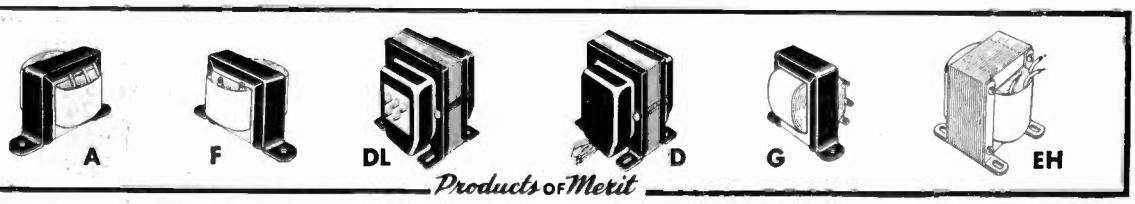


Products of Merit

MERIT TRANSFORMERS

Since 1924 — FINE RADIO PARTS

MODULATION TRANSFORMERS For Specific Applications

Type No.	List Price	Output Tubes	Ohms Impedance Pri.	Ohms Impedance Sec.	Max. MA Pri.	Max. MA Sec.	Watts	Dimensions H.	Dimensions W.	Dimensions D.	Mtg.
A-3008	$3.00	PP6AQ5, 6V6, 6F6, Single 6A6, 6N7, 53	10000 c.t.	4000-5000 7500-10000	70	60	10	2¼	2⅞	2⅛	B
A-3109	7.00	PP2A3, 6A3, 6B4, 6L6, 45, 46, 59	6000 c.t. 3800 c.t. 3000 c.t.	12000 5000-8000 12000	80	100	25	3⅛	2⅝	2¾	D
A-3110	12.00	PP6L6, 807, RK41, HY56, HY61, HK24	6600-3800 c.t.	4000-5000 7500-10000 12000	175	150	60	4¼	3½	3¾	D
A-3113	18.00	PP 800, 809, TZ-40, T-55, HK-54, RK-31, HY-40, 811, 807, 812	15000-6900c.t.	3000-4000 5000-6000	250	300	175	4⅝	3 13/16	5⅝	D

UNIVERSAL MODULATION TRANSFORMERS Tapped Series-Parallel Coils Provide a Wide Range of Modulation Ratios

Type No.	List Price	Pri. Impedance	Pri. M.A. per Side	Sec. Impedance	Max. Sec. M.A. ‡	Watts	Dimensions H.	Dimensions W.	Dimensions D.	Mtg.
A-3104	$8.75	2000-20000	50	2000-20000	50/100	15	3 3/16	2⅝	2¾	DL
A-3105	13.00	2000-20000	150	2000-20000	150/300	60	3⅞	3⅛	4⅛	DL
A-3106	18.50	2000-20000	220	2000-20000	220/440	125	4⅝	3 13/16	4⅝	DL
A-4007	52.00	2000-20000	250	2000-20000	250/500	300	7¼	6⅝	5⅝	H

‡Series/Parallel

POWER TRANSFORMERS Receiver Replacement Type Primary for 115 V., 60 Cy. Leads R.M.A. Color Coded—Mtg. Fig. C

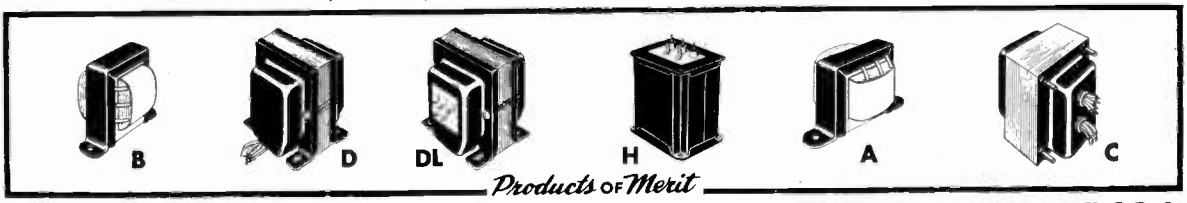
Type No.	List Price	H. V. Secondary Volts	H. V. Secondary DC.M.A	Rectifier Volts	Rectifier Amp.	Fil. Wdgs. Volts	Fil. Wdgs. Amp.	Mtg. Centers	Dimensions H.	Dimensions W.	Dimensions D.
*P-3045	$3.75	120	50			6.3	1.5	3⅛	2 3/16	2⅝	1⅝
P-3047	4.50	240-240	50			6.3	2.5	2 x 2½	2½	3	2
P-3048	5.50	260-260	90			6.3	3.5	2 x 2½	2½	3	2⅝
P-2949	4.90	240-240	40	5	2	6.3 c.t.	2	2 x 2½	2½	3	2½
P-2965	5.25	325-325	40	5	2	2.5 c.t.	4	2 x 2½	2½	3	2¾
P-2966	7.25	350-350	70	5	3	2.5 c.t. 2.5 c.t.	9 3.5	2¼ x 2 13/16	2 13/16	3⅝	3⅝
P-2967	8.00	350-350	90	5	3	2.5 c.t.	12.5	2½ x 3⅛	3⅛	3¾	4 1/16
P-2968	10.50	400-400	110	5	3	2.5 c.t. 2.5 c.t.	15 3.5	3 x 3¾	3¾	4½	3 13/16
P-2950	5.15	325-325	40	5	2	6.3 c.t.	2	2 x 2½	2½	3	2⅞
P-2951	6.25	325-325	70	5	3	6.3 c.t.	3.5	2 x 2½	2½	3	3 1/16
P-2952	6.75	350-350	90	5	3	6.3 c.t.	3.5	2¼ x 2 13/16	2 13/16	3⅝	3¾
P-2953	7.65	350-350	120	5	3	6.3 c.t.	4.7	2½ x 3⅛	3⅛	3¾	3 13/16
P-2954	9.75	375-375	150	5	3	6.3 c.t.	5	2½ x 3⅛	3⅛	3¾	4 5/16
P-2955	12.00	400-400	200	5	3	6.3 c.t.	5	3 x 3¾	3¾	4½	4⅛
P-2956	14.50	435-435 (80-volt Bias Tap)	250	5 2.5	3 10	6.3 c.t. 6.3 or 5	3 3	3 x 3¾	3¾	4½	4¾
P-2957	6.00	350-350	50	5	2	6.3 c.t.	2.6	2¼ x 2 13/16	2 13/16	3⅝	3
P-2958	5.00	240-240	50	5	2	6.3	2.6	2 x 2½	2½	3	3
★P-3059	20.50	360-360	250	5 5	2 3	6.3 6.3	.6 8	3 x 3¾	3¾	4½	5⅝
★P-3061	25.00	362-362	295	5	6	6.3 6.3	5 5	3 3/16 x 4 1/16	6 13/16	3 27/32	4 23/32
★P-3063	20.00	360-360	250	5	3	5 6.3 6.3 5	2 9 .8 2	3 3/16 x 4 1/16	5 11/16	3 27/32	4 23/32

*For use with Half Wave Rectifier Type A Mtg.

Fully Shielded Upright Mounting Type—Mtg. Fig. D

P-3147	$4.50	240-240	50			6.3	2.5	2 x 1 9/16	3 1/16	2⅝	2 1/16
P-3148	5.50	260-260	90			6.3	3.5	2 x 2 3/16	3 1/16	2⅝	3 1/16
P-3149	4.90	240-240	40	5	2	6.3 c.t.	2	2 x 1 11/16	3 1/16	2⅝	2⅝
P-3150	5.15	325-325	40	5	2	6.3 c.t.	2	2 x 1⅞	3 1/16	2⅝	2 13/16
P-3154	5.00	275-275	50	5	2	6.3	2.6	2 x 2 3/16	3 1/16	2⅝	3 1/16
P-3160	6.00	350-350	50	5	2	6.3 c.t.	2.6	2¼ x 1⅞	3 1/16	2 15/16	3 1/16
P-3151	6.25	325-325	70	5	3	6.3 c.t.	3.5	2½ x 1 13/16	3⅞	3 3/16	3 1/16
P-3152	6.75	350-350	90	5	3	6.3 c.t.	3.5	2¾ x 2½	4¼	3½	3 1/16
P-3153	7.65	350-350	110	5	3	6.3 c.t.	4.5	3 x 2¼	4⅝	3 13/16	3 1/16
P-3155	12.00	400-400	200	5	3	6.3 c.t.	5	3 x 3 3/16	4⅝	3 15/16	4¼
P-3156	14.50	435-435 (80-volt Bias Tap)	250	5 2.5	3 10	6.3 c.t. 6.3 or 5	3 3	3 x 3 3/16	4⅝	3 3/16	4⅞
★P-3165	14.75	350-350	200	5 5	2 3	6.3 6.3	.6 7	3 x 3⅞	4⅝	3¾	5
★P-3166	24.75	400-400	300	5 5	3 6	12.5 c.t.	10	3½ x 4¼	5½	4⅝	5¾
★P-3170	8.75	1750	2	2.5	2	6.3 or 2.5	.9 2	2 x 1 15/16	3⅛	2⅝	2⅞
★P-3171	11.50	2500	5	2.5	2	6.3 or 2.5	3 3	2½ x 2 3/16	3⅞	3 3/16	3⅝

★Indicates TV Replacement. *All prices subject to trade discount, and change without notice.*



Products of Merit

TRANSFORMERS

MERIT — Since 1924 — FINE RADIO PARTS

PLATE TRANSFORMERS For Small Transmitters. DC Voltage Ratings are Approx. Values Obtained at Output of a 2 Section Choke Input Filter Using Mercury Vapor Rectifier Tubes. Pri. is for 115 V. 60 cy.

Type No.	List Price	Sec. Rms. Volts	Sec. DC Volts	DC Sec. M.A.	Dimensions H.	Dimensions W.	Dimensions D.	Mtg.
P-3157	$11.50	660-660 † 550-550	500 400	250	4 5/8	3 13/16	4 3/8	D
P-3158	14.00	1080-1080 500-500	1000 ‡ 400	125 150	4 5/8	3 13/16	5	D
P-3159	13.50	900-900 800-800	750 600	225	4 5/8	3 13/16	5 1/8	D
P-3167	33.75	1450-1450 1175-1175	1200 1000	300	5 3/4	6 1/8	4	EH
P-3168	42.50	2100-2100 1800-1800	1750 1500	300	5 3/4	6 1/8	4 1/2	EH
P-4062	63.00	2900-2900 2385-2385	2500 2000	300	8 1/2	6 1/2	5 5/8	H

‡For dual operation with simultaneous use of both sec. ratings. †Has 40-volt bias tap.

FILAMENT TRANSFORMERS For Amplifier, Amateur, Industrial Use. Pri.: 115 Volts, 60 Cycles

Type No.	List Price	Sec. Volts	Sec. Amp.	Insulation Volts	Dimensions H.	Dimensions W.	Dimensions D.	Mtg.
P-2939	$3.25	2.5 c.t.	5	2500	2	3 1/4	1 5/8	A
P-2940	4.75	2.5 c.t.	10	7500	3	3 5/8	2 1/4	B
P-3042	5.25	2.5 c.t.	10	10000	2 7/8	3 5/8	2 1/4	EH
P-3040	3.50	5 c.t.	3	2500	2	3 1/4	2 1/8	A
P-2941	4.00	5 c.t.	6	2500	2 1/4	3 11/16	1 7/8	A
P-2942	5.75	5 c.t.	12	2500	3 7/16	2 13/16	2 3/8	EV
P-2943	9.00	5 c.t.	20	2500	3 3/4	3 1/8	3	EV
P-2944	2.25	6.3 c.t.	1	2500	1 5/8	2 13/16	1 1/2	A
P-2945	2.75	6.3 c.t.	2	2500	2	3 1/4	1 5/8	A
P-2946	3.25	6.3 c.t.	3	2500	2	3 1/4	1 7/8	A
P-2947	4.75	6.3 c.t.	6	2500	3	3 5/8	2 1/4	B
P-2948	6.25	6.3 c.t.	10	2500	3 7/16	2 13/16	2 7/8	EV
P-2960	4.00	7.5 c.t.	4	2500	2 5/8	3 1/8	1 7/8	B
P-2961	5.75	6.3 c.t.	3	2500	3	3 5/8	2 1/4	B
P-3041	5.75	6.3 c.t. 5 c.t. 6.3 c.t.	3 3 3.6	2500	2 1/2	4	2 1/8	A
P-3143	7.00	7.5 c.t.	8	2500	3 1/2	2 15/16	3 1/8	D
P-3145	7.00	10 c.t.	5	2500	3 1/2	2 15/16	3	D
P-3146	8.50	10 c.t.	10	3000	3 7/8	3 1/16	3 5/8	D

VIBRATOR TRANSFORMERS For Operation From 6V Battery and Vibrator

Type No.	List Price	Sec. DC Volts to Filter	Sec. M.A.	Dimensions H	Dimensions W	Dimensions D	Mtg.
P-2969	$4.25	150	40	2 1/4	2 7/8	1 3/4	B
P-2970	4.75	225	40	2 5/8	3 5/16	2 1/8	B
P-2971	5.00	250	50	2 5/8	3 1/8	2 1/4	B
P-2972	5.75	260	60	3	3 5/8	2 1/8	B
P-3068	4.50	260	60	2 3/16	2 5/8	1 7/8	C
P-4073	9.00	285	75	3 9/16	3 1/16	2 9/16	HL
P-4074	9.50	330	100	3 3/4	3 1/16	2 13/16	HL

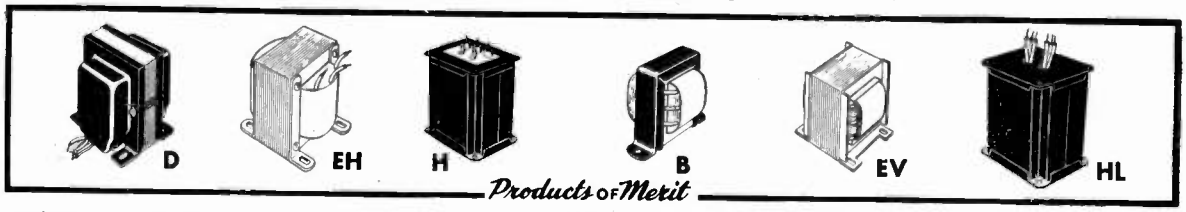
AC-DC VIBRATOR TRANSFORMER For Operation from 6 V. Battery and Vibrator or 115 V. 60 cy. Line

Type No.	List Price	H.V. Secondary DC Volts	H.V. Secondary MA	Filament Volts	Filament Amps	Dimensions H	Dimensions W	Dimensions D	Mtg.
P-3176	$12.50	300	160	6.3	4.5	4 5/8	3 13/16	4 13/16	D
P-4075	11.50	330	100	6.3	4	3 13/16	4 1/2	3	HL

PHOTO-FLASH POWER TRANSFORMER Primary for 117 V. 60 Cy. Line or 4 V. Battery Vibrator (or Charger Winding)

Type No.	List Price	Secondary AC Volts	Secondary DC M.A.	Mtg. Centers	Dimensions H	Dimensions W	Dimensions D	Mtg.
P-3065	$6.50	1100	1.5	2 11/16	2 5/8	3 1/8	2	B

All prices subject to trade discount, and change without notice.



Products of Merit

TRANSFORMERS

MERIT — Since 1924 — FINE RADIO PARTS

STEP-DOWN AUTOTRANSFORMERS

Input 220—250 V. 60 cy. Output 110—125 V. Pri. Cord and Plug. Sec. Receptacle.

Type No.	List Price	Output Watts	Dimensions H.	Dimensions W.	Dimensions D.	Mtg.
P-3161	$8.00	80	3 1/2	2 15/16	3	D
P-3162	10.75	150	3 7/8	3 3/16	3 5/8	D
P-3163	13.75	250	4 5/8	3 13/16	4	D
P-3164	17.75	500	4 5/8	3 15/16	4 3/8	D
P-4065	41.00	1000	7 1/4	6 5/8	5 5/8	H

REPLACEMENT TYPE FILTER CHOKES

Inductance Ratings are at 10 V. 60 cy. with Rated Current Flowing as Recommended by the R.M.A.

Type No.	List Price	Inductance Henries	Current Rating M.A.	DC Res. Ohms	Volts Insul.	Mtg. Centers	Dimensions H.	Dimensions W.	Dimensions D.	Mtg.
★C-2973	$1.25	1.5	10	95	1500	1 3/4	1 3/16	1 7/16	1	A
C-2974	3.25	2.0	200	50	1500	2 13/16	2	3 1/4	1 5/8	A
C-2977	1.75	4.5	50	200	1500	2 3/8	1 5/8	2 13/16	1 1/2	A
C-2975	1.50	5.5	50	330	1500	2	1 13/16	2 3/8	1 1/8	A
C-2976	1.50	8	40	500	1500	2	1 3/8	2 3/8	1 1/4	A
C-2981	1.75	8.5	50	400	1500	2 3/8	1 5/8	2 13/16	1 1/2	A
C-2985	1.75	20	15	900	1500	2 3/8	1 5/8	2 13/16	1 1/2	A
C-2987	2.00	16	50	550	1500	2 13/16	2	3 1/4	1 5/8	A
C-2990	2.75	15	75	400	1500	3 1/8	2 1/4	3 11/16	2 1/8	A
★C-2991	2.75	2	250	53	2000	3 5/16	2 5/16	3 11/16	2	A
C-2993	3.50	10.5	110	220	1500	3 9/16	2 9/16	4	2 1/4	A

FILTER CHOKES For Small Transmitter and Amplifier Applications

Type No.	List Price	Inductance Henries	Current Rating M.A.	DC Res. Ohms	Volts Insul.	Dimensions H.	Dimensions W.	Dimensions D.	Mtg.
C-3192	$4.00	15	85	325	1500	3 1/8	2 5/8	2 5/8	D
C-3193	4.00	10	110	200	1500	3 1/8	2 5/8	2 5/8	D
C-3194	5.00	12	150	230	1500	3 1/2	2 13/16	3 1/8	D
C-3195	7.00	15	150	180	2000	3 7/8	3 3/16	3 3/4	D
C-3196	6.00	5	200	80	1500	3 1/2	2 15/16	3 1/8	D

FILTER SMOOTHING CHOKES For Transmitter Power Supplies

C-3180	$5.25	10	150	210	3000	3 1/8	2 5/8	2 3/4	D
C-3181	6.50	10	200	140	3000	3 1/2	2 13/16	3 1/2	D
C-3182	9.00	10	250	125	3000	3 7/8	3 3/16	3 3/4	D
C-3183	9.50	8	300	80	3000	3 7/8	3 3/16	3 3/4	D

FILTER INPUT OR SWINGING CHOKES

C-3187	$5.25	4-16	150	210	3000	3 1/8	2 5/8	2 3/4	D
C-3188	6.50	4-16	200	140	3000	3 1/2	2 15/16	3 1/2	D
C-3189	9.00	4-16	250	125	3000	3 7/8	3 3/16	3 3/4	D
C-3190	9.50	3-14	300	80	3000	3 7/8	3 3/16	3 3/4	D

ISOLATION TRANSFORMERS

To Provide Isolation Between Line and Associated Circuits. Primary for 50-60 Cy. Static Shielding Between Primary and Secondary.

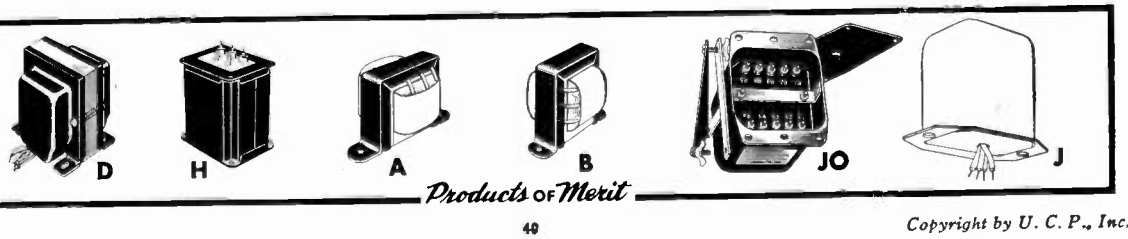
Type No.	List Price	Primary Volts	Secondary Volts	Watts	Dimensions H	Dimensions W	Dimensions D	Mtg.
P-3096	$5.75	117	117	40	3 1/8	2 5/8	2 5/8	B
P-3197	8.50	117	117	80	3 7/8	3 3/16	3 1/2	D

ISOLATION TRANSFORMERS Equipped with Line Cord and Standard Receptical

Type No.	List Price	Primary Volts	Secondary Volts	Watts	Dimensions H	Dimensions W	Dimensions D	Mtg.
P-3172	$41.00	117	117	500	5 3/8	4 5/8	6 1/2	D
P-3198	15.50	117	117	100	4 1/4	3 9/16	3 3/4	D
P-3199	29.50	117	117	250	4 5/8	3 13/16	4 7/8	D

★ Indicates TV Replacement.

All prices subject to trade discount, and change without notice.



Products of Merit

TRANSFORMERS

HEAVY DUTY OUTPUT TRANSFORMERS

High Level Type to Couple to Line or Voice Coil. Sec. Impedance 4-8-15-250-500 Ohms

Type No.	List Price	Tube	Class	Pri. Impedance	Pri. Ma. per Side	Max. Watts	H	W	D	Mtg.
A-4027	$9.00	Single 6L6, 2A3, 6A3, 6Y6	A	2500	80	8	3 5/8	3 1/16	2 9/16	H
A-4028	12.00	PP6V6, 6F6	AB_1	8000 C.T.*	50	14	3 7/8	4 1/2	3	H
A-4029	12.00	PP6L6	AB_1	4300 C.T.*	95	25	3 7/8	4 1/2	3	H
A-4030	13.00	PP6L6	AB_1	6600 C.T.*	80	34	3 7/8	4 1/2	3	H
A-4031	11.00	PP6L6, 6Y6, PP2A3 6A3, 6B4, 45, PP6N7, 46	A AB B	5000 C.T.	80	30	3 7/8	4 1/2	3	H
A-4032	11.50	PP6F6, 2A5, 7C5 Single 6N7, 6A6	AB_2 B	10000C.T.	40	25	3 7/8	4 1/2	3	H
A-4033	16.50	P. P. Par. 6L6, PP807	AB_1	3300 C.T.	240	55	5	5	3 7/8	H

* 10% Feedback Winding.

OUTDOOR TYPE UNIVERSAL LINE TRANSFORMER

To Couple Various Line Impedances to a Voice Coil Universal Mounting Bracket

Type No.	List Price	Ohms Impedance Primary	Ohms Impedance Sec.	Watts	Mtg. Center Case	Dimensions H.	Dimensions W.	Dimensions D.	Mtg. Type
A-4040	$8.75	250-500-1000-1500-2000	4-8-16	8	2 3/4 x 3 7/8	4 1/4	4 7/16	3 9/16	JO
A-4041	9.75	250-500-1000-1500-2000	4-8-16	12	2 3/4 x 3 7/8	4 1/4	4 7/16	3 9/16	JO
A-4042	13.75	250-500-1000-1500-2000	4-8-16	25	2 3/4 x 3 7/8	4 1/4	4 7/16	3 9/16	JO
A-4043	9.75	45-50	4-8	12	2 3/4 x 3 7/8	4 1/4	4 7/16	3 9/16	JO

DRIVER TRANSFORMERS

To Couple Driver Plates to Amplifier Grids

Type No.	List Price	Driver Tube	Output Tube	Turn Ratio Pri. to ½ Sec.	Class	Pri MA	H	W	D	Mtg.
A-4020	$5.50	6C5, 30, 49, 1H4	Single 1J6, 19, PP30, 49	2.5:1	B	10	2 13/16	2 7/16	2	H
A-4021	6.50	6F6, 42, 2A5	PP6F6, 6L6	1.7:1, 1.5:1, 1.3:1	AB	35	2 13/16	2 7/16	2	H
A-4022	7.00	6A6, 6C5, 6N7 46	Single 6A6, 6N7, PP46	5:1, 4:1, 3:1 2.5:1	B	20	2 13/16	2 7/16	2	H
A-4023	8.50	PP6A6, 53	PP6N7, 6A6, 53	5:1*	B	15	3 5/8	3 1/16	2 9/16	H
A-4024	8.00	PP6AC5, 6J5, 6N7, 46, 6F6, 59	PP6L6, T21 PP46, 59	2.2:1	AB_2 B	30	3 5/8	3 1/16	2 9/16	H
A-4025	11.50	2A5, 42 6F6, 2A5, 47, 42	PP6L6, 807 PP6L6	1.4:1*	AB_2	40	3 7/8	4 1/2	3	H
A-4026	10.00	PP2A3, 6L6, 45, 6V6, 6F6	PP800, 203A, 811, 812, RK18, RK58, T20, TZ40, T55, 812A, 807, 809, 838, 845, 35, 100TH	2:1	B	40	3 5/8	3 1/16	2 9/16	H
A-4046	14.00	Line to Grid	Class B Grids 15 watt capacity	1:.75, 1:85, 1:1, 1:1.25, 1:1.45, 1:1.75	B		3 7/8	4 1/2	3	H
A-4047	16.00	Line to Grid	Class B Grids 30 watt capacity	1:2, 1:2.25, 1:2.5, 1:2.75, 1:3	B		3 7/8	4 1/2	3	H

BLOCKING OSCILLATOR TRANSFORMER

* Split Secondary

Type No.	List Price	Turns Ratio Primary to Secondary	Mtg. Centers	H.	W.	D.	Mtg. Type
★A-4000 Vertical	$2.75	1:4.2	1 15/16	1 3/4	2 5/16	1 1/2	J
★A-4002 Horizontal	3.00	2:1	1 15/16	1 3/4	2 5/16	1 1/2	J

UNIVERSAL MODULATION TRANSFORMER

Tapped Series-Parallel Coils Provide a Wide Range of Modulation Ratios

Type No.	List Price	Pri. Impedance	Pri. M.A. per Side	Sec. Impedance	Max. Sec. M.A.†	Watts	H.	W.	D.	Mtg.
A-4004	$11.00	2000-20000	50	2000-20000	50/100	15	3 5/8	3 1/16	2 9/16	H
A-4005	17.50	2000-20000	150	2000-20000	150/300	60	5	5	3 7/8	H
A-4006	25.50	2000-20000	220	2000-20000	220/440	125	5	5	5 1/8	H
A-4007	52.00	2000-20000	250	2000-20000	250/500	300	7 1/4	6 5/8	5 5/8	H

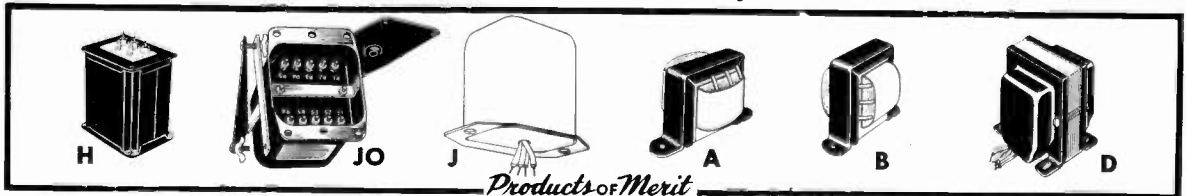
MODULATION TRANSFORMERS

Compound Filled Cases—For Specific Applications

†Series/Parallel

Type No.	List Price	Output Tubes	Ohms Impedance Pri.	Ohms Impedance Sec.	Max. MA Pri.	Max. MA Sec.	Watts	Dimensions H	Dimensions W	Dimensions D	Mtg.
A-4010	$6.50	PP6AQ5, 6V6, 6F6 Single 6A6, 6N7, 53	10000C.T.	4000-5000 7500-10000 12000	70	60	10	2 13/16	2 7/16	2	H
A-4013	11.00	PP2A3, 6A3, 6B4, 6L6 45, 46, 59	6000C.T. 3800C.T. 3000C.T.	5000-8000 10000	80	100	25	3 5/8	3 1/16	2 9/16	H
A-4014	17.50	PP6L6, 807, RK-41, HY56, HY61, HK24	6600-3800 C.T.	4000-5000 7500-10000 12000	175	150	60	5	5	3 7/8	H
A-4015	20.00	PP800, 809, TZ-40, T-55, HK-54, RK-31, HY-40, 811, 807, 812	15000C.T. 6900C.T.	3000-4000 5000-6000	250	300	175	5	5	5 1/8	H

★Indicates TV Replacement. *All prices subject to trade discount, and change without notice.*



TRANSFORMERS

MERIT — Since 1924 — FINE RADIO PARTS

FILAMENT TRANSFORMERS — For Amplifier, Amateur, Industrial Use, 115 Volts, 60 Cycles

Type No.	List Price	Sec. Volts	Sec. Amp.	Insulation Volts	Dimensions H.	W.	D.	Mtg.
P-4049	$10.75	2.5 c.t.	10	10,000	3 7/8	4 1/2	3	H

PLATE TRANSFORMERS — For Small Transmitters, Amateur, or Experimental Use, DC Voltage Ratings are Approx. Values Obtained at Output of a 2 Section Choke Input Filter Using Mercury Vapor Rectifier Tubes. PRI. is for 115 V. 60 Cy.

Type No.	List Price	Sec. Rms. Volts	Sec. DC Volts	Sec. DC MA	H	W	D	Mtg.
P-4057	$16.00	660-660 550-550	**500 400	250	5	5	4 1/2	H
P-4058	18.50	1080-1080 500-500	*1000 400	125 150	5	5	5 1/8	H
P-4059	18.00	900-900 800-800	750 600	225	5	5	5 1/8	H
P-4067	45.00	1450-1450 1175-1175	1200 1000	300	7 1/4	6 5/8	5 5/8	H
P-4061	49.50	2100-2100 1800-1800	1750 1500	300	7 1/4	6 5/8	6 3/16	H
P-4062	63.00	2900-2900 2385-2385	2500 2000	300	8 1/2	6 5/8	5 5/8	H

** Has 40V. Bias Tap. * For Dual Operation with Simultaneous Use of Both Sec. Ratings.

STEP-DOWN AUTOTRANSFORMER — Input 220-250 V. 60 Cy. Output 110-125 V. Pri.-Cord and Plug—Sec. Receptical

Type No.	List Price	Output Watts	H.	W.	D.	Mtg.
P-4065	$41.00	1000	7 1/4	6 5/8	5 5/8	H

FILTER SMOOTHING CHOKES

Type No.	List Price	Inductance Henries	Current Rating MA	DC Res. Ohms	Volts Insul.	H	W	D	Mtg.
C-4080	$8.00	10	150	210	3000	3 5/8	3 1/16	2 3/16	H
C-4081	9.50	10	200	140	3000	3 7/8	4 1/2	3	H
C-4082	12.00	10	250	125	3000	5	5	4	H
C-4083	13.00	8	300	80	3000	5	5	4	H

FILTER INPUT OR SWINGING CHOKES

C-4087	$8.00	4-16	150	210	3000	3 5/8	3 1/16	2 3/16	H
C-4088	9.50	4-16	200	140	3000	3 7/8	4 1/2	3	H
C-4089	12.00	4-16	250	125	3000	5	5	4	H
C-4090	13.00	3-14	300	80	3000	5	5	4	H

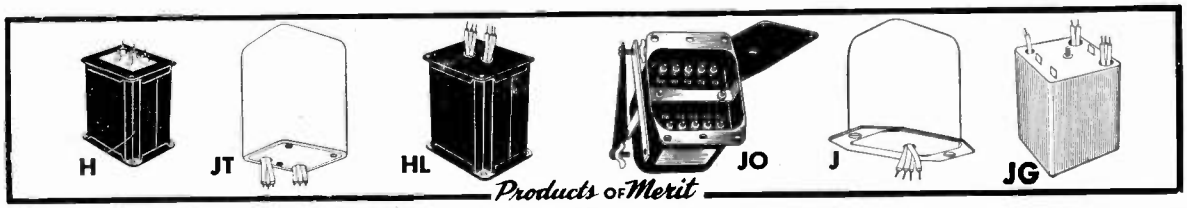
VIBRATOR TRANSFORMERS — Sealed in Compound Filled Cases for Interference or Hash Reduction. For Operation from 6 V. Battery and Vibrator

Type No.	List Price	Sec. DC Volts to Filter	Sec. MA	H	W	D	Mtg.
P-4069	$5.75	150	40	3	2 3/8	2 3/16	JT
P-4070	6.00	225	40	3	2 3/8	2 1/16	JT
P-4071	6.25	250	50	3	2 3/8	2 1/16	JT
P-4072	8.25	260	60	3 3/4	3 5/8	2 1/8	HL
P-4073	9.00	285	75	3 3/4	2 9/16	3 1/16	HL
P-4074	9.50	330	100	3 3/4	3 1/16	2 3/16	HL
P-4076	5.60	265	55	3 1/4	2 5/8	2 5/8	JG
P-4077	6.00	280	65	3 15/16	2 1/4	2 3/8	JT
P-4078	6.00	270	60	2 5/8	2 3/16	2 3/4	JT
P-4079	6.50	270	75	3 1/32	2 3/8	2 1/2	JT

AC-DC VIBRATOR TRANSFORMER — For Operation From 6 V. Battery and Vibrator or 115 V. 60 Cy. Line

Type No.	List Price	H.V. Secondary DC Volts	H.V. Secondary MA	Filament Volts	Filament Amps.	Dimensions H.	W.	D.	Mtg.
P-4075	$11.50	330	100	6.3	4	3 13/16	4 1/2	3	HL

All prices subject to trade discount, and change without notice.



CREST TRANSFORMER CORP.

FIGURE S 

FIGURE G 

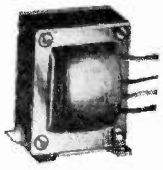
FIGURE E 

FIGURE P 

AUDIO TRANSFORMERS

Driver

Stock No.	Driver Tubes	Output Tubes	Class	Ratio Pri. to ½ Sec.	Pri. M.A.	Mtg. Fig.	Mtg. Ctrs.	Dimensions H.	W.	D.	Wt. Lbs.	List Price
6115	1-30, 49, 6C5 1-1J6G	19, 2-30, 49	B	2.4:1	8	B	2"	1⅞	2⅜	1⅝	.7	$1.80
6118	1-33, 41, 42, 46, 59, 2A5, 6F6	P.P. 46, 59 6L6, 6F6	B AB2	2.2:1	32	K	2x1 1/16"	3 3/16	2⅝	2⅝	2.6	3.80
6116	1-42, 45, 2A5, 6C5, 6F6, 6N7	P.P. 42, 2A5, 6F6, 6L6, 6V6	AB	1.7:1 1.5:1 1.3:1	35	A	2 1/8"	2	3¼	1½	1.7	3.50
6117	1-42, 47, 2A5, 6F6	P.P. 2A5, 6F6, 6L6	AB2	1.4:1	40	K	2¼x2"	3½	3	3 1/16	3.5	5.50
6122	P.P. 45, 2A3, 6F6, 6L6	35T, 203A, 800, 806, T20, T55, 100TL, RK57	B	3.2:1 2:1	40	K	2x1¾"	3⅛	2⅝	2⅝	2.7	5.25
6119	P.P. 45, 6C5, 6F6, Tri. 59, 2A3, 4-2A3, 6L6	59, 805, 100TH, HY57, RK18, TZ40, P.P. 6L6, 4-46, 4-2A3	A B	5:1 4:1 3.2:1	60	K	2x1¾"	3⅛	2⅝	2⅝	2.7	5.50

Input or Microphone Mike to Grid

Stock No.	Application	Ohms Impedance Pri.	Sec.	Turns Ratio	Mtg. Fig.	Mtg. Ctrs.	H.	W.	D.	Wt.	List Price
6100	S.B. Mic. to Single or P.P. Grids	100	400000/C.T.	1:64	F	2	2	2⅜	1⅝	.9	$2.15
6105	D.B. Mike to Line	200/50	500/125	1:1.68	F	2⅜	2⅜	2⅞	2⅞	1.8	4.20
6101	Voice Coil to Grid	3.2 CT	38,000		F	1¾	1⅝	2	1¾	.8	1.95
6103	Low. Imp. Ribbon Mike to Grid	150-250 CT	53,000		F	2	2	2½	2	1.0	2.20

Interstage

Stock No.	Ohms Impedance Pri.	Sec.	Turns Ratio	M.A. Pri.	Fig. Mtg.	Ctrs. Mtg.	Dimensions H.	W.	D.	Wt. Lbs.	List Price
6302	10000	90000	Sgl. 3:1	10	A	2	1⅜	2⅜	1½	.6	$1.90
6301	10000 CT	90000 CT	P.P. 3:1	10	A	2⅜	1⅝	2⅞	1½	.8	2.15
6305	10000	125000 CT	P.P. 3.5:1	10	A	2 1/8	2	3¼	1⅝	1.2	2.45
6306	10000 CT	90000 CT	P.P. 3:1	10	A	2 1/8	2	3¼	1⅝	1.2	2.45

Modulation

Stock No.	Typical Tube	Impedance Pri.	Sec.	Max. M.A. Pri.	D.C. Sec.	Class	Watts	Mtg.	Dimensions H.	W.	D.	Wt. Lbs.	List Price
6850	P.P. 6V6, 6F6, 1-53, 6A6, 6K6, 7C5, 6N7, 14C5	10000 CT	7500 5500 3500	60	60	A	12	F	2⅜	2⅞	2⅛	1.4	$2.65
6851	P.P. 6L6, 45, 50, 2A3, 6A3, 6F6, 6V6	6000 CT 3000 CT	10000 7500 5000	100	100	AB	25	K	3⅛	2⅝	2⅞	2.9	5.80
6852	P.P. 6L6, 46, HY56, 807	6600 CT	12000 8000 4000	150	150	AB	40	L	4¼	3⅝	4⅝	6.4	9.95

Output

Stock No.	Typical Tube	Class	Ohms Impedance Pri.	Sec.	Pri. M.A.	Max. Watts	Mtg. Fig.	Mtg. Ctrs.	Dimensions H.	W.	D.	Wt. Lbs.	List Price
6018	P.P. 50L6, 25B5, 25AC5, 25L6, 6Y6, 6W6, 6V6	AB	4000	3.2	50	4	A	2	1⅜	2⅜	1⅜	.4	$1.35
6013	Sgl. 89, 95, 6F6, 6D5, 6B5, 12A6	A	7000	3-6	30	3	A	2	1⅜	2⅜	1⅜	.4	1.35
6012	Sgl. 1C5G, 1Q5G, 3A4, 1G5, 1S4, 3S4, 3Q5	A	8000	3.2	20	5	A	2	1⅜	2⅜	1⅝	.5	1.30
6008	P.P. 1-19, 1-1J6G, 1-1G6G, 2-30, 49, 25A6	B AB	10000	4/8	30	8	A	2 1/8	2	3¼	1⅝	1.0	1.80
6019	P.P. 43, 6F6, 59B, 25A6, 6V6, 7C5, 71A	AB	10000	3.2	45	10	A	2 1/8	2	3¼	1⅝	1.0	1.85
6016	P.P. 6F6, 6D5, 6AC5, 6K6, 6B5, 6AD7, 6N6, 7B5, 12A6, 18	AB	14000	3-6	42	10	A	2 1/8	2	3¼	1⅝	1.0	2.15
6009	P.P. 1B8, 1E7, 1F4, 1T5, 6G6, 1299, 1602 Sgl. 6V7, 55, 85	A	25000	3.2	12	5	A	2	1⅜	2⅜	1⅜	.4	1.75
6026	P.P. Par 4-6L6, P.P. 2-6L6, 45, 6A3	AB1	3300	4/8/15 250/500	155	60	K	2½X2¼	4	3¼	3½	5.2	8.60
6021	P.P. 6L6	AB2	3800	4/8 15/500	115	60	K	2½X2⅛	4	3¼	3⅜	4.6	7.00
6024	P.P. 6L6, 2A3	AB1	4300	4/8/15 250/500	95	25	K	2¼X2	3½	2 1/8	3	3.6	6.65
6025	P.P. 6L6, 6F6, 6AL6	AB2	5500	4/8/15 250/500	90	40	K	2½X2	4	3¼	3¼	4.7	7.90
6005	Universal Sgl. or P.P.	A	4000/7000 8000/10000 14000 Ct.	Adj. .1-29	30	4	C	2	2	2⅜	1⅝	.6	1.80
6000	Universal Sgl. or P.P.	A	4000/7000 8000/10000 14000 Ct.	Adj. .1-29	35	8	C	2⅜	1⅝	2⅞	1¾	.7	1.90
6003	Universal Sgl. or P.P.	A	4000/7000 8000/10000 14000 Ct.	Adj. .1-29	40	12	D	2⅜	2⅜	2⅞	1⅞	1.0	2.25
6004	Universal Sgl. or P.P.	A	4000/7000 8000/10000 14000 Ct.	Adj. .1-29	40	18	D	2 1/8	2⅝	3 5/16	2¼	1.5	2.60

WRITE FOR LATEST CATALOG SHOWING COMPLETE LINE

CREST TRANSFORMER CORP.

FIGURE K

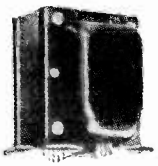


FIGURE F

FIGURE D

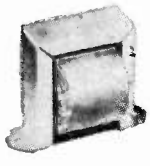
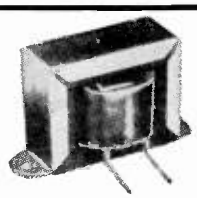


FIGURE A



CHOKES

Filter

Stock No.	Inductance Henries	Current Rating M.A.	D.C. Res. Ohms	Volts Ins. U.L.	Mtg. Fig.	Mtg. Dimensions H.	W.	D.	Wt. Lbs.	List Price
6200	13.5	35	850	1600	A	1 1/8	3 1/4	1 5/8	1.0	$1.80
6208	6.5	40	530	1600	A	1 1/16	2 3/8	1 5/8	0.8	1.40
6201	7.0	60	200	1600	A	1 7/8	3 1/4	1 1/2	1.0	2.00
6204	16	75	400	1600	A	2 1/4	3 1/8	1 7/8	1.8	2.50
6221	5.0	80	138	1600	A	1 7/8	3 1/4	1 3/4	1.5	2.10
6202	7.5	80	250	1600	A	1 7/8	3 1/4	1 3/4	1.4	2.20

Heavy Duty

Stock No.	Inductance At zero DC	Inductance At rated DC	Current Rating M.A.	D.C. Res. Ohms	Volts Ins. U.L.	Mtg. Fig.	Mtg. Dimensions H.	W.	D.	Wt. Lbs.	List Price
6223	34	10	150	231	1600	K	3 1/2	2 3/32	3 1/8	2.6	4.00
6224	10.2	4.2	215	80	3000	K	3 1/2	2 3/32	3 1/8	2.6	5.50
6225	19.5	7.3	250	121	3000	K	4 1/4	3 5/8	3 1/8	6.2	7.50
6220	17	4.8	450	60	5000	L	4 3/4	3 7/8	5	12.5	14.00

Swinging

Stock No.	Inductance Henries	D.C. M.A. Range	D.C. Res. Ohms	Volts Insul.	Mounting Fig.	Dimensions H.	W.	D.	Wt. Lbs.	List Price
6217	5-20	15-150	215	3000	K	3 3/8	2 7/8	2 1/16	2.8	$4.30
6230	5-20	50-500	70	5000	L	5 3/8	4 1/2	4 1/4	13.0	19.00

FILAMENT TRANSFORMERS

Stock No.	Pri. Volts	Sec. Volts	Sec. Amps	Sec. Volts Inc.	Mtg. Fig.	Dimensions H.	D.	W.	Wt. Lbs.	List Price
F-6730	115	2.5 c.t.	5.25	1800	B	2 3/8	2 7/8	2 1/8	1.3	$2.80
F-6732	115	2.5 c.t.	10	7500	R	4	3 3/4	3 1/4	2.6	4.20
F-6740	115	5.0 c.t.	5	1800	B	3 1/16	3 3/8	2 1/8	2.2	3.15
F-6752	115	5.0 c.t.	12	10000	R	4 3/16	3 7/16	3 1/4	7.0	10.50
F-6724	115	6.3 c.t.	1.5	1600	B	2	1 3/4	1 3/4	1.0	1.95
F-6727	115	6.3 c.t.	3	1600	B	2 3/8	2 7/8	2 1/8	1.4	2.40
F-6750	115	7.5 c.t.	5	2500	R	3 1/4	2 1/2	2 1/4	2.8	3.90
F-6751	115	7.5 c.t.	8	1800	R	3 3/4	3	2 7/8	4.0	4.20
F-6756	115	10.0 c.t.	5	3000	R	3 7/16	2 13/16	2 3/4	4.6	5.50
F-6757	115	10.0 c.t.	8	3000	R	3 7/8	3 1/8	3 1/8	4.8	5.85

FULLY ENCLOSED POWER TRANSFORMERS

Stock No.	H.V. A.C. Load Volts	Secondary D.C. M.A.	Fil. No. 1	Filament Windings Fil. No. 2		Mtg. Fig.	Mtg. Ctrs.	Mtg. Dimensions H.	W.	D.	Wt. Lbs.	List Price
6600	325-325	40	5V-2A	6.3V-2A	C.T.	K	2 x1 1/2	3 3/16	2 5/8	2 1/2	2.2	$5.25
6601	325-325	50	5V-2A	6.3V-3A	C.T.	K	2 x1 3/4	3 3/8	2 5/8	2 3/4	2.8	5.50
6602	350-350	70	5V-3A	6.3V-3.5A	C.T.	K	2 1/2x1 5/8	3 7/8	3 1/4	3 1/8	4.2	6.75
6603	350-350	100	5V-3A	6.3V-4.5A	C.T.	K	2 1/2x2 1/4	3 7/8	3 1/4	3 1/2	5.2	8.00
6604	350-350	120	5V-3A	6.3V-5A	C.T.	K	2 1/2x2 1/8	3 7/8	3 1/4	3 5/8	5.7	8.75
6605	400-400	200	5V-4A	6.3V-6A	C.T.	K	3 x2 3/4	4 5/8	3 7/8	3 3/4	8.0	10.00
6606	430-430	325	5V-6A	6.3V-8A	C.T.	K	3 x4 1/2	4 5/8	3 7/8	5 5/8	14.7	16.00

UNIVERSAL POWER TRANSFORMERS

Stock No.	H.V. Secondary Load Volt	D.C. M.A.	Fil. No. 1	Fil. No. 2		Mtg. Fig.	Mtg. Centers	Mtg. Dimensions W.	L.	Wt. Lbs.	List Price
P-6555	325 - 325	40	5V-2A	6.3V-2A	C.T.	P	2 x2 1/2	2 1/2x3		2.3	$4.50
P-6556	325 - 325	45	5V-2A	6.3V-2A	C.T.	P	2 x2 1/2	2 1/2x3		2.3	4.70
P-6557	350 - 350	70	5V-3A	6.3V-2.5A	C.T.	P	2 1/4x2 7/8	2 7/8x3 3/8		3.4	5.80
P-6558	350 - 350	90	5V-3A	6.3V-3.5A	C.T.	P	2 1/4x2 7/8	2 7/8x3 3/8		4.0	6.00
P-6559	350 - 350	120	5V-3A	6.3V-4.7A	C.T.	P	2 1/2x3 1/8	3 1/8x3 3/4		5.0	7.00
P-6560	375 - 375	150	5V-3A	6.3V-4.7A	C.T.	P	2 3/4x3 7/16	3 7/16x4 1/8		5.8	8.75

TELEVISION TRANSFORMERS

V.B.O. & H.B.O.

Stock No.	Type	Electrical Equivalent	Mtg. Fig.	Dimensions H.	W.	D.	Wt. Lbs.	List Price
3008	Vertical Blocking Oscillator	R.C.A. 208T2 Potted	G	1 3/4	2 1/16	1 1/2	.6	$2.95
3012	Horizontal Blocking Oscillator	R.C.A. 208T1 Potted	G	1 3/4	2 5/16	1 1/2	.8	3.60

Vertical Output

Stock No.	Type	Electrical Equivalent	Mtg. Fig.	Dimensions H.	W.	D.	Wt. Lbs.	List Price
3010	Vertical Output	R.C.A. 204T2 Open Type	E	3 1/8	2 1/2	2 1/4	2.5	$5.40
3036	Vertical Output	R.C.A. 204T9 Open Type	E	3 1/8	2 1/2	2	2.3	5.20

TELEVISION Power Transformers

Stock No.	H.V. A.C. Load Volts	Sec. D.C. M.A.	Fil. 1	Filament Windings Fil. 2	Fil. 3	Mtg. Fig.	Mtg. Ctrs.	Mtg. Dimensions H.	W.	D.	Wt. Lbs.	List Price
5855	385-385	180	5V-3A	6.3V-1.2A Fil. 4	6.3V-6A 5V-2A	K	3 x3 1/4	4 5/8	3 7/8	4 1/2	10.8	$16.60
5856	365-365	250	5V-3A	6.3V-.6A Fil. 4	6.3V-8A 5V-2A	P	3 x3 3/4	4 7/8	4 1/2	3 3/4	12.6	18.90
5854	435-435	210	5V-6A	6.3V-10A	6.3V-3.5A	K	3 x3 1/4	4 5/8	3 7/8	5 1/4	13.5	20.50
5852	365-365	295	5V-6A	5V-2A	12.6V-5A C.T.	P	3 1/2x4 1/4	5	4 1/2	5 1/4	15.5	23.50
5853	A 430-430 A 190-190	215 100	6.3-10A	5V-3A Fil. 4	5V-2A 5V-2A	P	3 x3 3/4	5 7/8	3 3/4	4 1/2	15.0	24.00

LINE REGULATORS STEP UP OR STEP DOWN 50-60 CYCLE

ISOLATION TRANSFORMERS 50-60 CYCLE

AUTOFORMERS STEP UP OR STEP DOWN 50-60 CYCLE

Stock No.	Input Volts	Output Volts	Max. Watts	Mtg. Fig.	Mtg. Ctrs.	Dimensions H.	W.	D.	Wt. Lbs.	List Price
5909	220-250	110-125	100	J	2 3/4x3	4 3/16	3 1/2	4	6.4	$13.50
5916	220-250	110-125	150	J	2 3/4x3 1/4	4 7/16	3 1/2	4 3/8	6.0	15.50
5917	220-250	110-125	250	J	3 x4 1/4	4 5/8	3 7/8	5 1/2	14.0	22.50
5906	110-125	110-125	250	J	3 x4 1/4	4 5/8	3 7/8	5 1/2	14.0	22.50
5907	110-125	110-125	500	J	5 3/4x3 1/2	6 1/4	5 3/4	5	28.0	31.00
5912	220-250	110-125	150	J	2 3/4x1 1/2	4 7/16	3 1/2	3 3/8	4.8	9.30
5913	220-250	110-125	250	J	2 3/4x3	4 5/8	3 7/8	4 3/16	7.6	11.00
5914	220-250	110-125	500	J	3 x3 1/2	4 5/8	3 7/8	5 1/4	10.8	17.00

WRITE FOR LATEST CATALOG SHOWING COMPLETE LINE

STANDARD ELECTRICAL PRODUCTS CO. — Staco — A QUALITY PRODUCT — DAYTON, O. U.S.A.

TRANSFORMERS

for REPLACEMENT AND SPECIAL PURPOSE OUTPUT, POWER, VIBRATOR, FILAMENT and OPERATION of WAR SURPLUS EQUIPMENTS

OUTPUT TRANSFORMERS

RECEIVER REPLACEMENT TYPE

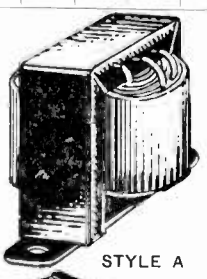
To couple the plate or plates of the output stage to the speaker voice coil. Sec. impedance—3.5 ohms

Type No.	List Price	Tube	Class	Pri. Impedance	Pri. M.A.	Max Watts	Mtg. Cntrs.	Mtg. Dimen. H.	Mtg. Dimen. W.	Mtg. Dimen. D.	Mtg.
A-7001	$1.25	Single 1C5-G, 1G5-G, 1G5, 1S4, 3Q4, 3S4, 6A4, 3Q5	A	8000	20	3	1¾″	1⅛″	2⅛″	1″	A
A-7003	1.50	Single 2A3, 6A3, 6B4, 6Y6, 25AC5, 25B6, 25N6, 25L6, 35A5, 35L6, 50L6, 48, 50B5, 35B5, 50A5	A	2000	60	5	2″	1⅜″	2⅜″	1¼″	A
A-7007	1.55	Single 6V6, 7C5, 12A, 12A5, 25A6, 25A7, 35A5, 35L6, 31, 45, 50, 59	A	5000	40	5	2″	1⅜″	2⅜″	1¼″	A
A-7018	1.55	Single 2A5, 6AC5, 6B5, 6F6, 6K6, 6N6, 7B5, 20, 31, 33, 42, 47, 50, 6V5	A	7000	30	5	2″	1⅜″	2⅜″	1¼″	A
A-7022	1.60	Single 1C5, 1Q5, 3C5, 6A4, 6G6, 6N7, 6R7, 12A, 38, 41, 49, 3V4	A	10000	30	5	2″	1⅜″	2⅜″	1¼″	A
A-7023	2.30	Single 19, 1G6, 1J6 PP 1H4, 30, 49	B	10000 c.t.	40	5	2″	1⅜″	2⅜″	1¼″	A
A-7029	2.30	PP 6V6, 7C5	AB-	10000 c.t.	40	10	2⅜″	1⅝″	2 13/16″	1½″	A
A-7033	1.60	Single 1D8, 7B5, 6K6, 6G6	A	12000	10	5	2″	1⅜″	2⅜″	1¼″	A
A-7041	1.60	Single 1D8, 1F4, 1F5, 1J5, 1T5, 6V7, 12A7, 85	A	15000	10	5	2″	1⅜″	2⅜″	1¼″	A
A-7047	1.70	Single 1A5, 1N6, 6V7, 85 PP 1E7, 1J5, 6G6, 3A4, 3V4	A	25000 c.t.	10	5	2″	1⅜″	2⅜″	1¼″	A

POWER TRANSFORMERS

Replacement Type Pri. 115 V. 60 Cycle. Leads RMA Color Coded

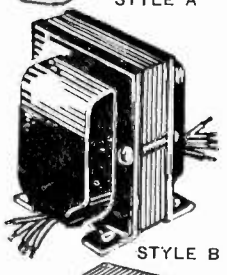
Type No.	List Price	H.V. Secondary Volts	H.V. Secondary Dc.M.A.	Rectifier Volts	Rectifier Amp.	Fil. Wdgs. Volts	Fil. Wdgs. Amp.	Mtg. Centers	Mtg. Dimensions H.	Mtg. Dimensions W.	Mtg. Dimensions D.	Mtg.
P-6004	$ 4.85	240-240	40	5	2	6.3 c.t.	2	2″ x 2½″	2½″	3″	2½″	C
P-6008	4.85	325-325	40	5	2	6.3 c.t.	2	2″ x 2½″	2½″	3″	2 7/8″	C
P-6009	6.35	350-350	70	5	3	6.3 c.t.	2.5	2″ x 2½″	2½″	3″	3 7/16″	C
P-6013	6.70	350-350	90	5	3	6.3 c.t.	3.5	2¼″ x 2 15/16″	2 15/16″	3⅜″	3¾″	C
P-6021	7.45	350-350	120	5	3	6.3 c.t.	4.7	2½″ x 3⅛″	3⅛″	3¾″	3 13/16″	C
P-6027	9.40	375-375	150	5	3	6.3 c.t.	5	2½″ x 3⅛″	3⅛″	3¾″	4 5/16″	C
P-6032	10.90	400-400	200	5	3	6.3 c.t.	5	3″ x 3¾″	3¾″	4½″	4″	C



STYLE A

FULLY SHIELDED UPRIGHT MOUNTING TYPE

P-6024	$ 5.85	240-240	40	5	2	6.3 c.t.	2	2″ x 1 11/16″	3⅛″	2⅝″	2⅝″	B
P-6027	5.85	325-325	40	5	2	6.3 c.t.	2	2″ x 1⅞″	3⅛″	2⅝″	2 13/16″	B
P-6031	6.30	350-350	50	5	2	6.3 c.t.	2.6	2½″ x 1⅞″	3½″	2 13/16″	3 1/16″	B
P-6033	7.55	350-350	70	5	3	6.3 c.t.	3	2½″ x 1 15/16″	3⅞″	33/16″	3 1/16″	B
P-6036	8.30	350-350	90	5	3	6.3 c.t.	3.5	2¾″ x 2¼″	4¼″	3½″	3 7/16″	B
P-6041	9.10	350-350	110	5	3	6.3 c.t.	4.5	3″ x 2¼″	4⅝″	3 13/16″	3 7/16″	B
P-6047	12.90	400-400	200	5	3	6.3 c.t.	5	3″ x 3 1/16″	4⅝″	3 13/16″	4⅛″	B

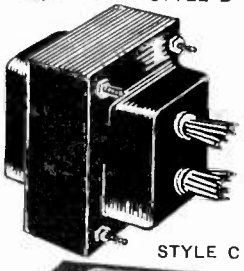


STYLE B

VIBRATOR TRANSFORMERS

For Operation from 6 V. Battery and Vibrator

Type No.	List Price	Sec. DC Volts to Filter	Sec. M.A.	Mtg. Dimensions H.	Mtg. Dimensions W.	Mtg. Dimensions L.	Mtg.
VP-6201	$4.00	150	40	2 5/16″	2 7/8″	1¾″	D.
VP-6207	4.25	225	40	3⅛″	2½″	2⅝″	E.
VP-6213	4.60	250	50	3⅛″	2½″	2¾″	E.
VP-6221	5.15	260	60	3⅛″	2½″	2 7/8″	E.



STYLE C

MULTI-USE FILAMENT TRANSFORMERS

For Amplifier, Amateur, Industrial Use. Pri.: 115 Volts, 60 Cycles.
All windings center tapped except those marked *

Type No.	Use #1	Use #2	Use #3	Volt Insul.	Mtg.	Mtg. Dimensions H.	Mtg. Dimensions W.	Mtg. Dimensions D.	Ship. Wt.	List Price
F5049	Two Sec. of 2.5 V. @ 2.5 A	5 V. @ 2.5 A	2.5 V. @ 5 A	2000	D	2 5/16″	2″	1 7/8″	3	$2.95
F5050	Two Sec. of 2.5 V. @ 5 A	5 V. @ 2.5 A	2.5 V. @ 10 A	10000	E	3⅛″	2½″	3¼″	3	4.60
F5051	Two Sec. of 2.5 V. @ 5 A	5 V. @ 5 A	2.5 V. @ 10 A	2000	E	3⅛″	2½″	2⅜″	3	4.00
F5052	Two Sec. of 2.5 V. @ 7.5 A	5 V. @ 7.5 A	2.5 V. @ 15 A	2000	D	3 1/16″	2 17/32″	2½″	5	4.75
F5053	Two Sec. of 5 V. @ 3.25 A	10 V. @ 3.25 A	5 V. @ 6.5 A	2000	D	3 1/16″	2 17/32″	2½″	5	4.25
F5054	Two Sec. of 5 V. @ 10 A	10 V. @ 10 A	5 V. @ 20 A	10000	E	4 3/16″	3 7/16″	3 7/16″	7	8.50
F5055	Two Sec. of 5 V. @ 10 A	10 V. @ 10 A	5 V. @ 20 A	2000	E	4 3/16″	3⅛″	3⅝″	7	7.50
F5056			6.3 V. @ .6 A	2000	D	1⅝″	1⅜″	1½″	2	2.90
F5057			6.3 V. @ 1.2 A	2000	D	1⅞″	1⅝″	1 11/16″	2	3.15
F5007			6.3 V. @ 3 A	2000	D	2 5/16″	2″	1⅞″	3	3.50
F5058	Two Sec. of 6.3 V. @ 1 A	12.6 V. @ 1 A	6.3 V. @ 2 A	2000	D	2 5/16″	2″	1⅞″	3	3.50
**F5006	Two Sec. of 6.3 V. @ 3 A	12.6 V. @ 3 A	6.3 V. @ 6 A	2000	D	3 1/16″	2 17/32″	2½″	5	5.55
**F5004	Two Sec. of 6.3 V. @ 6.5 A	12.6 V. @ 6.5 A	6.3 V. @ 13 A	2000	E	3 13/16″	3⅛″	2½″	6	7.75
F5059	Two Sec. of 7.5 V. @ 1.5 A	15 V. @ 1.5 A	7.5 V. @ 3 A	2000	D	2¾″	2 5/16″	2 5/16″	3	4.25
F5060	Two Sec. of 7.5 V. @ 2.3 A	15 V. @ 2.3 A	7.5 V. @ 4.6 A	2000	D	3 1/16″	2 17/32″	2½″	5	5.25
F5061	Two Sec. of 11 V. @ 5 A	22 V. @ 5 A	11 V. @ 10 A	2000	E	3 13/16″	3⅛″	3¼″	7	7.50
**F5005*	Two Sec. of 12 V. @ 4 A	24 V. @ 4 A	12 V. @ 8 A	2000	E	3 13/16″	3⅛″	2½″	6	7.25
**F5069*	One Sec. of 24 V. @ 3 A	War Surplus Equipment		2000	E	3⅛″	3¾″	2⅝″	2½	6.50
**F5075*	One Sec. of 24 V. @ 1 A	War Surplus Equipment		2000	D	2¾″	3¼″	2″	1¼	4.00

STYLE D

STYLE E

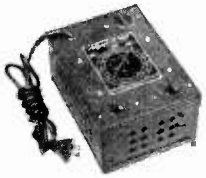
** Types F5004, F5005, F5006, F5069, and F5075 designed for operation of 12 and 24 volt War Surplus Equipment.

Staco STANDARD ELECTRICAL PRODUCTS CO. DAYTON, O. U.S.A. A QUALITY PRODUCT

AUTO-TRANSFORMERS · ISOLATED PRIMARY TRANSFORMERS · METERED TRANSFORMERS

Adjust-A-Volt VARIABLE TRANSFORMER

METERED MODELS



TYPES
PA-CA-MA-NA

TYPE
LR

AUTO-TRANSFORMER MODELS

Type	Code Word	Input Voltage	Output Voltage	Output Rated	Amperes Max.	Maximum Rating (V.A.)	Overall Dimensions	Shipping Weight for One Unit	Net Prices	Type
PA-5	PADRE	115	0-140	5.0	7.5	860	6¾" x 9⅛" x 5"	25 lbs.	$23.50	PA-5
PA-10	PAMMY	115	0-140	10.0	15.0	1500	6¾" x 9⅛" x 7¾"	37 lbs.	45.50	PA-10
CA-5	CADDY	115	0-280	2.5	3.5	430	6¾" x 9⅛" x 7¾"	30 lbs.	27.50	CA-5
CA-10	CAMMY	115	0-280	5.0	7.5	860	6¾" x 9⅛" x 9⅝"	40 lbs.	52.50	CA-10
MA-5	MADRE	230	0-280	2.5	3.5	860	6¾" x 9⅛" x 7¾"	30 lbs.	31.50	MA-5
MA-10	MAMMY	230	0-280	5.0	7.5	1500	6¾" x 9⅛" x 9⅝"	40 lbs.	52.50	MA-10
NA-5	NADDY	230	0-140	5.0	7.5	860	6¾" x 9⅛" x 5"	27 lbs.	28.50	NA-5
NA-10	NAMMY	230	0-140	10.0	15.0	1500	6¾" x 9⅛" x 9⅝"	40 lbs.	55.50	NA-10

ISOLATION TRANSFORMER MODELS
ELECTROSTATICALLY SHIELDED

LR-5	LARKE	115	70-140	5.0	5.0	500	6¾" x 9⅛" x 6⅞"	27 lbs.	$29.50	LR-5
LR-10	LAMBE	115	70-140	10.0	10.0	1000	6¾" x 9⅛" x 11"	40 lbs.	57.50	LR-10
LR-22	LOOSE	230	70-140	5.0	5.0	500	6¾" x 9⅛" x 6⅞"	27 lbs.	31.50	LR-22
LR-24	LOOKE	230	70-140	10.0	10.0	1000	6¾" x 9⅛" x 11"	40 lbs.	61.50	LR-24

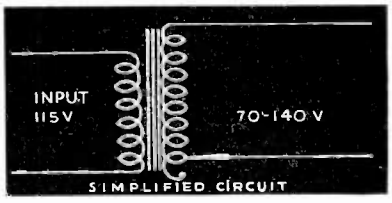
METERED AUTO-TRANSFORMER MODELS

PAL-5	PALLE	115	0-140	5.0	7.5	860	6¾" x 9⅛" x 6⅞"	27 lbs.	$35.50	PAL-5
PAL-10	LALLE	115	0-140	10.0	15.0	1500	6¾" x 9⅛" x 9⅝"	39 lbs.	57.50	PAL-10
CAL-5	MALLE	115	0-280	2.5	3.5	430	6¾" x 9⅛" x 9⅝"	32 lbs.	38.50	CAL-5
CAL-10	NALLE	115	0-280	5.0	7.5	860	6¾" x 9⅛" x 11"	42 lbs.	64.50	CAL-10
MAL-5	QALLE	230	0-280	2.5	3.5	860	6¾" x 9⅛" x 9⅝"	32 lbs.	43.50	MAL-5
MAL-10	RALLE	230	0-280	5.0	7.5	1500	6¾" x 9⅛" x 11"	42 lbs.	64.50	MAL-10
NAL-5	TALLE	230	0-140	5.0	7.5	860	6¾" x 9⅛" x 7¾"	29 lbs.	40.50	NAL-5
NAL-10	SALLE	230	0-140	10.0	15.0	1500	6¾" x 9⅛" x 11"	42 lbs.	67.50	NAL-10

METERED ISOLATION TRANSFORMER MODELS
ELECTROSTATICALLY SHIELDED

LRL-5	BARKE	115	0-140	5.0	5.0	500	6¾" x 9⅛" x 6⅞"	29 lbs.	$41.50	LRL-5
LRL-10	BAMBE	115	0-140	10.0	10.0	1000	6¾" x 9⅛" x 11"	42 lbs.	69.50	LRL-10
LRL-22	BOOSE	230	0-140	5.0	5.0	500	6¾" x 9⅛" x 6⅞"	29 lbs.	43.50	LRL-22
LRL-24	BOOKE	230	0-140	10.0	10.0	1000	6¾" x 9⅛" x 11"	42 lbs.	73.50	LRL-24

ISOLATED TRANSFORMER

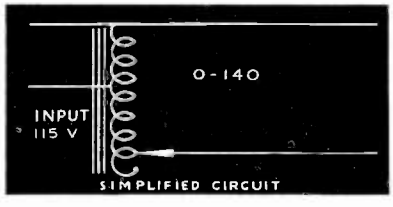


LR and LRL* MODELS
*** 0-140 volts**

SMOOTH, CONSTANT CONTROL IN 4/10 VOLT STEPS. CONSERVATIVE RATINGS. PROVIDES CONTROL OF VOLTAGE TO REGULATE A.C. LINES • POWER • HEAT • LIGHT AND SPEED.

ALL MODELS FINISHED IN BLACK WRINKLE BAKED ENAMEL.

AUTO-TRANSFORMER



PA-CA-MA-NA-PAL-CAL-MAL-NAL MODELS

MANUFACTURED UNDER U. S. PATENT 2,009,013 AND OTHER PATENTS PENDING

Net

STANDARD ELECTRICAL PRODUCTS CO. — Staco — A QUALITY PRODUCT — DAYTON, O. U.S.A.

TRANSFORMERS

STEP DOWN STEP UP

ISOLATION AND LINE CORRECTION

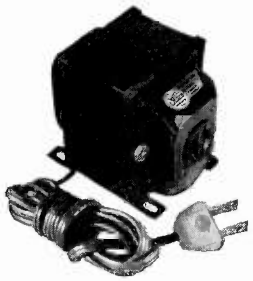


FIG. 1

FIG. 2

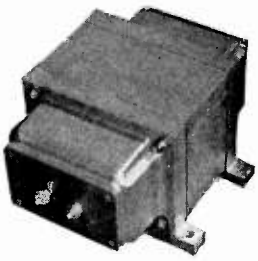


FIG. 3

FIG. 4

STEP-DOWN AUTOTRANSFORMERS

Input 220-240 V. 60 cy. Output 115 V. Pri. Cord and Plug Sec. Receptacle

Cat. No.	Code	Mount Fig. No.	Cap. in Watts	Input, Volts	Output, Volts	Cycles	Dimensions in Inches H.	W.	D.	Net Wt. in Lbs.	List Price	Cat. No.
SB-0075	STEBA	1	75	200/240	115	50/60	3 1/8"	2 5/8"	3 3/4"	3 1/2	$ 7.00	SB-0075
SB-0150	STECA	1	150	200/240	115	50/60	3 7/8"	3 1/4"	3 5/8"	4 1/2	9.25	SB-0150
SB-0250	STEDA	1	250	200/240*	115	50/60	4 3/4"	3 7/8"	4 3/8"	8 1/2	13.50	SB-0250
SB-0500	STEFA	1	500	200/240*	115	50/60	4 3/4"	3 7/8"	6 1/8"	12 1/2	22.50	SB-0500
SB-1000	STEGA	3	1000	200/240*	115	50/60	4 7/8"	7 1/4"	9"	22 1/2	38.50	SB-1000
SB-2000	STELA	3	2000	200/240*	115	50/60	5 1/4"	8 5/8"	11 1/4"	40 1/4	61.90	SB-2000

* These models have primary taps of 200-220-240 Volts. Simply remove cover plate (see Figure 2) and connect to required taps.

LINE CORRECTION STEP-UP AUTOTRANSFORMERS

Models SU 100/105Volt. Input. Models RU 200/210 Volt Input
All SU Models Boost Input 10 Volts. All RU Models Boost Input 20 Volts

SU-0100	SUBAT	1	100	100/110	110/120	50/60	3 1/8"	2 5/8"	2 7/8"	2 3/4	$ 5.15	SU-0100
SU-0250	SUCAT	1	250	100/110	110/120	50/60	3 1/8"	2 5/8"	3 3/4"	3 1/2	7.35	SU-0250
SU-0500	SUDAT	1	500	100/110	110/120	50/60	3 7/8"	3 1/4"	3 1/4"	4 1/2	8.85	SU-0500
SU-1000	SUFAT	1	1000	100/110	110/120	50/60	4 5/8"	3 7/8"	4 1/8"	8 1/2	17.65	SU-1000
SU-2000	SUGAT	1	2000	100/110	110/120	50/60	4 5/8"	3 7/8"	5 5/8"	14 1/2	35.40	SU-2000
RU-0100	SREBA	1	100	200/210	220/230	50/60	3 1/8"	2 5/8"	2 7/8"	2 3/4	5.15	RU-0100
RU-0250	SRECA	1	250	200/210	220/230	50/60	3 1/8"	2 5/8"	3 3/4"	3 1/2	7.35	RU-0250
RU-0500	SREDA	1	500	200/210	220/230	50/60	3 7/8"	3 1/4"	3 1/4"	4 1/2	8.85	RU-0500
RU-1000	SREFA	1	1000	200/210	220/230	50/60	4 5/8"	3 7/8"	4 1/8"	8 1/2	17.65	RU-1000
RU-2000	SREGA	1	2000	200/210	220/230	50/60	4 5/8"	3 7/8"	5 5/8"	14 1/2	35.40	RU-2000

ISOLATION TRANSFORMERS

All Models 115 V. Input. 115 V. Output. Electrostatically Shielded.

SI-050	SICAR	1	50	115	115	50/60	3 17/32"	2 7/8"	3"	4 1/2	$ 7.50	SI-050
SI-100	SICER	1	100	115	115	50/60	3 29/32"	3 5/32"	3 5/8"	7 1/4	14.50	SI-100
SI-250	SICOR	1	250	115	115	50/60	4 3/4"	3 7/8"	5 1/8"	14 1/2	27.50	SI-250

LINE VOLTAGE ADJUSTORS, METERED

8 Position Rotary Switch Corrects Low or High Line to 115 V. from 85-95-105-115-125-135 V-AUTOTRANSFORMER

LC-150	LABAD	4	150	85-135	115	50/60	6 1/2"	4 3/8"	5"	7 3/4	$24.75	LC-150
LC-350	LAFAD	4	350	85-135	115	50/60	6 1/2"	4 3/4"	5"	10 3/4	31.50	LC-350
LC-500	LAJAD	4	500	85-135	115	50/60	6 1/2"	4 3/8"	5"	11 1/2	37.50	LC-500

STACO Transformers are compact and modern in design. Only the highest quality silicon lamination steel is used which assures cool operating transformers. Each coil is layer wound with the best quality enameled wires, each layer is insulated with heavy insulating material, each coil is varnished impregnated and high temperature baked. High Voltage Breakdown Test is performed on each coil and transformer in accordance with existing RMA Specs. This combination of high quality materials plus the finest workmanship is assurance of better and lasting performance at highest operating efficiency, yet costs no more than average.

Finishes: Mount type #1, Black baked enamel, Mount type #2, Black baked enamel, Mount type #3, Natural Buffed Aluminum, Mount type #4, Black Wrinkle baked enamel.


CASE A

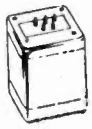

CASE D

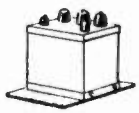

CASE E


CASE G


CASE K


CASE L


CASE Q


CASE S


CASE X

Peerless Electrical Products Division of Altec Lansing Corporation presents two new lines of transformers. The standard commercial line includes power, filament, plate, isolation, television, input, interstage, bridging, output, impedance matching transformers and power chokes. The commercial line of audio transformers have a flat frequency response within ±1 db from 30 cycles to 15,000 cycles, the power transformers are conservatively rated for a maximum heating rise of 55°C., and the output transformers are conservatively rated to give full rated power within ± 3 db from 30 cycles to 10,000 cycles.

The superb new audio line of 20-20 transformers covers input, interstage, bridging, output and impedance matching transformers which are unsurpassed in any market. The 20-20 line of audio transformers have a flat frequency response within ±1 db from 20 cycles to 20,000 cycles and have good transmission up to 50 KC. The output transformers are conservatively rated to give full rated power within ±3 db from 20 cycles to 20,000 cycles.

* Suffix Letter on Type Number Indicates Case Style.

COMBINATION PLATE AND FILAMENT TRANSFORMERS

Type Number*	High Voltage Secondary AC Volts	DC MA.	Filament Current, Amperes 2.5 V. C.T.	5 V.	6.3 V. C.T.	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
R-080-A	275-0-275	20			2.	3 1/8	2 7/8	2 9/16	2 1/4	$8.75
R-080-Q	275-0-275	20			2.	4 1/8	3 9/16	3 1/16	3	18.00
R-160-A	275-0-275	40		2.	2.	3 1/8	3 1/8	2 9/16	2 3/4	7.10
R-160-G	275-0-275	40		2.	2.	3 3/8	3 1/16	2 9/16	2 3/4	7.10
R-196-A	300-0-300	50		2.	2.5	3 1/8	3 3/8	2 9/16	3 1/4	7.90
R-196-G	300-0-300	50		2.	2.5	3 5/8	3 1/16	2 9/16	3 1/4	7.90
R-319-A	325-0-325	70	7.5	3.		3 1/2	3 5/8	2 7/8	4	9.00
R-320-A	325-0-325	70		3.	3.	3 1/2	3 5/8	2 7/8	4	8.60
R-320-G	325-0-325	70		3.	3.	3 5/8	3 7/16	2 7/8	4	8.60
R-399-A	350-0-350	90	10.	3.		4 3/16	3 5/8	3 3/4	6 1/4	9.85
R-400-A	350-0-350	90		3.	4.	4 3/16	3 5/8	3 3/4	6 1/4	9.50
R-400-G	350-0-350	90		3.	4.	4 1/8	4 1/8	3 5/8	6 1/4	9.50
R-400-Q	350-0-350	90		3.	4.	5	4 5/16	4 1/16	7 1/2	19.00
R-401-A	350-0-350	90	3.5	3.	2.5	4 3/16	3 5/8	3 3/4	6 1/4	9.50
R-479-A	350-0-350	120	12.5	3.		4 3/16	3 7/8	3 3/4	6 3/4	11.15
R-480-A	350-0-350	120		3.	5.	4 3/16	3 7/8	3 3/4	6 3/4	10.90
R-480-G	350-0-350	120		3.	5.	4 3/8	4 1/8	3 5/8	6 3/4	10.90
R-480-Q	350-0-350	120		3.	5.	5	4 5/16	4 1/16	8	21.00
R-481-A	350-0-350	120	3.5	3.	3.5	4 3/16	3 7/8	3 3/4	6 3/4	11.25
R-559-A	400-0-400	200	5. - 10.	3.		5	4 7/8	4 3/8	11 3/4	16.75
R-560-A	400-0-400	200		3.	6.	5	4 7/8	4 3/8	11 3/4	15.50
R-560-Q	400-0-400	200		3.	6.	6	5 1/8	5 1/8	17	27.00
R-561-A	400-0-400	200		3.	2. - 4.	5	4 7/8	4 3/8	11 3/4	16.75
R-640-A	575-0-575	225		3.		5	6	4 3/8	15 1/4	19.50
R-720-A	750-700-0-700-750	200-250†		3.		5	6 1/4	4 3/8	16 1/2	23.00
R-800-A	400-0-400	300		4.	4. - 5.	5	6 1/4	4 3/8	16 1/2	24.00

†Choke input only.

CATHODE RAY AND TELEVISION

Type Number*	High Voltage Secondary AC Volts	DC MA.	DC Volts	Filament Current, Amperes Rect. 2.5 V.	6.3 V. Tapped 2.5 V.		Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
R-870-A	1775	2	2500	1.75	.6	2.1	4 3/16	3 1/2	3 3/4	6 1/4	$15.00
R-960-A	4600	2	6500	1.75	.6	2.1	4 3/16	4 1/2	3 3/4	9 1/4	24.75

PLATE TRANSFORMERS

Type Number*	Secondary AC Volts	DC Volts Choke Input	DC MA. ICAS	CCS	Primary Volts 50-60 Cycle	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
P-110-K	900-725-0-725-900	600-750	425	300	117	7	8	5 3/4	25	$37.00
P-110-S	900-725-0-725-900	600-750	425	300	117	9	8	6 1/4	34	48.00
P-330-K	1175-880-0-880-1175	750-1000	425	300	117	7	8 1/2	5 3/4	27	40.00
P-330-S	1175-880-0-880-1175	750-1000	425	300	117	9	8	6 1/4	37	58.00
P-440-K	1750-1450-0-1450-1750	1250-1500	450	325	117-234	7	10	7 3/4	47	60.00
P-440-S	1750-1450-0-1450-1750	1250-1500	450	325	117-234	9	8	8 1/4	60	85.00
P-550-K	2300-1725-0-1725-2300	1500-2000	550	400	117-234	7	10 3/4	7 3/4	57	80.00
P-550-S	2300-1725-0-1725-2300	1500-2000	550	400	117-234	10	9	8 1/4	75	115.00
P-660-K	2850-2275-0-2275-2850	2000-2500	625	450	117-234	9 1/4	11 1/2	9 1/4	70	110.00
P-660-S	2850-2275-0-2275-2850	2000-2500	625	450	117-234	12 1/4	11	10	100	160.00
P-770-K	3375-2800-2250-0-2250-2800-3375	2000-2500-3000	800	600	117-234	9 1/4	13	9 1/4	92	200.00
P-770-S	3375-2800-2250-0-2250-2800-3375	2000-2500-3000	800	600	117-234	12 1/4	11	10	120	260.00
P-880-K	3350-2800-2250-0-2250-2800-3350	2000-2500-3000	1250	1000	117-234	9 1/4	15 1/4	9 1/4	135	245.00
P-880-S	3350-2800-2250-0-2250-2800-3350	2000-2500-3000	1250	1000	117-234	12 1/4	14	10	180	360.00

VIBRATOR TRANSFORMERS

Type Number*	Secondary AC Volts	DC Volts	DC MA. CCS	Primary Volts 50-60 Cycle	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
V-950-A		180	40	6-8 V. DC 115 Cycle Vibrator	2 5/8	2 1/2	2 1/4	1	$5.70
V-970-A		300	80	6-8 V. DC 115 Cycle Vibrator	3 1/8	3 3/8	2 9/16	3 1/4	7.25
V-980-A	Separate Primary for 117 V. 50/60 C.	350	135	6-8 V. DC 115 Cycle Vibrator	5	4 1/2	4 3/8	10	12.50

SMOOTHING CHOKES

Type Number*	Current DC MA.	Inductance Henries	Resistance Ohms	Test Volts R.M.S.	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
C-065-X	20	25	1800	1500	1 1/8	2 1/2	1 1/2	3/8	$1.90
C-130-X	40	15	950	1500	1 5/8	2 7/8	1 5/8	1/2	2.00
C-195-X	50/70	15/10	360	1500	2	3 1/2	2	1	2.50
C-305-A	90	10	285	1500	2 1/8	2 1/8	2 1/4	1 5/8	3.55
C-305-X	90	10	285	1500	2 3/8	3 3/4	2 1/4	1 1/2	2.85
C-325-A	120	10	240	1500	3 1/8	2 7/8	2 1/8	2 1/4	4.90
C-325-X	120	10	240	1500	2 5/8	4 1/4	2 1/2	2 1/8	3.95
C-390-A	200	10	150	1500	4 1/8	3 1/4	3 3/4	5 1/2	6.80
C-455-A	250	10	110	2500	4 1/8	3 3/4	3 3/4	6 1/2	9.55
C-520-A	300/325	10/8.5	110	4100	5	4 1/4	4 3/8	9 1/4	13.00
C-520-K	300/325	10/8.5	110	4100	5 1/2	5 3/4	4 3/8	10 1/2	20.00
C-520-S	300/325	10/8.5	110	4100	6 7/8	4 7/8	4 5/8	9 1/2	27.00
C-585-K	450/500	10/8.5	65	6500	7	7 1/4	5 3/4	25	25.50
C-585-S	450/500	10/8.5	65	6500	9	8	6 1/4	40	37.50
C-650-K	600	10	45	7500	7	9	7 3/4	40	47.00
C-650-S	600	10	45	7500	9	8	8 1/4	52	70.00
C-715-K	1000	10	25	7500	9 1/4	11 1/4	9 1/4	80	115.00
C-715-S	1000	10	25	7500	12 1/4	11	10	110	155.00

SWINGING CHOKES

Type Number*	Current DC MA.	Inductance Henries	Resistance Ohms	Test Volts R.M.S.	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
W-519-A	30/300	20/4	110	4100	5	4 1/4	4 3/8	9 1/4	$13.00
W-519-K	30/300	20/4	110	4100	5 1/2	5 3/4	4 3/8	10 1/2	20.00
W-519-S	30/300	20/4	110	4100	6 7/8	4 7/8	4 5/8	9 1/2	27.00
W-584-K	45/450	20/4	65	6500	7	7 1/4	5 3/4	30	25.50
W-584-S	45/450	20/4	65	6500	9	8	6 1/4	40	37.50
W-649-K	60/600	20/4	45	7500	7	9	7 3/4	40	47.00
W-649-S	60/600	20/4	45	7500	9	8	8 1/4	52	70.00
W-714-K	100/1000	20/4	25	7500	9 1/4	11 1/4	9 1/4	80	115.00
W-714-S	100/1000	20/4	25	7500	12 1/4	11	10	110	155.00

FILAMENT TRANSFORMERS

Type Number*	Secondary Current, Amperes 2.5 V. C.T.	5 V. C.T.	6.3 V. C.T.	7.5 V. C.T.	10 V. C.T.	Test Volts R.M.S.	Primary Volts 50-60 Cycle	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
F-012-X			1.			2000	117	1 5/8	2 7/8	1 5/8	1/2	$2.80
F-024-X	4.					2000	117	2	3 1/2	2	1	3.60
F-036-X			1.8			2000	117	2	3 1/2	2	1	3.40
F-048-X	5.					7500	117	2 3/8	3 3/4	2 1/4	1 1/2	5.20
F-060-X		4.				2000	117	2 3/8	3 3/4	2 1/4	1 1/2	4.25
F-072-X			3.6			2000	117	2 3/8	3 3/4	2 1/4	1 1/2	4.25
F-096-X	10.					7500	117	2 5/8	4 1/4	2 1/2	2 1/8	5.95
F-096-S	10.					7500	117	6 3/4	4 3/8	3 5/8	6	19.00
F-104-X			5.			2000	117	2 5/8	4 1/4	2 1/2	2 1/8	6.00
F-120-X				5.		2000	117	2 5/8	4 1/4	2 1/2	2 1/8	6.00
F-121-X	15.					7500	117	2 5/8	4 1/4	2 1/2	2 1/8	8.00
F-138-E		10.				2000	117	3 1/2	3 1/8	2 7/8	3 1/2	6.95
F-139-E			8.			2000	117	3 1/2	3 1/8	2 7/8	3 1/2	6.95
F-140-E					5.	2000	117	3 1/2	3 1/8	2 7/8	3 1/2	6.95
F-156-E				10.		2000	117	3 1/2	3 1/4	2 7/8	3 3/4	7.25
F-168-E					10.	2000	117	4 1/8	3 1/4	3 5/8	5 1/4	8.20
F-169-S		20.				10,000	117	7 1/2	4 7/8	5 5/8	9	22.00
F-180-E				15.		2000	117	4 1/8	3 3/4	3 5/8	6 1/4	9.50
F-192-E	10.				10.	7500-2000	117	5	4 1/4	4 3/8	9 1/4	14.50
F-192-S	10.				10.	7500-2000	117	7 1/2	4 7/8	5 5/8	9 1/2	24.50

ISOLATION TRANSFORMERS

Type Number*	Primary Volts AC 50-60 C.	Secondary Volts AC	V. A. Continuous	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
T-111-L	117	117	75	4 1/8	3 1/4	3 3/4	5 1/2	$13.00
T-112-L	234	117	75	4 1/8	3 1/4	3 3/4	5 1/2	14.00
T-311-L	117	117	150	5	4	4 3/8	8 3/8	19.00
T-312-L	234	117	150	5	4	4 3/8	8 3/8	20.50
T-511-L	117	117	250	5	5 1/4	4 3/8	14	30.00
T-512-L	234	117	250	5	5 1/4	4 3/8	14	32.00

AUTOFORMERS (Step-Down)

Type Number*	Input Volts AC 50-60 C.	Output Volts AC	V. A. Continuous	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
A-014-L	234	117	75	3 1/8	2 7/8	2 1/8	2 1/4	$9.75
A-028-L	234	117	150	4 1/8	3 1/4	3 3/4	5 1/2	12.00
A-042-L	234	117	300	5	4	4 3/8	8 3/8	16.00
A-056-L	234	117	500	5	5 1/4	4 3/8	14	20.50

AUTOFORMERS (Line Voltage Correcting)

Type Number*	Voltages AC 50-60 Cycles	V. A. Continuous	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
A-070-E	0-100-105-110-115-120-125	250	4 3/16	3 3/4	3 5/8	5 3/4	$13.50
A-084-K	0-100-105-110-115-120-125	500	5 1/2	4 3/4	4 3/8	9 1/2	24.50
A-098-K	0-100-105-110-115-120-125	1000	5 1/2	5 1/2	4 3/8	12 3/4	40.00
A-114-K	0-100-105-110-115-120-125	2000	7	6 3/8	5 3/4	26	55.00

20-20 INPUT TRANSFORMERS

20-20 Type Number*	Descriptive Data	Impedance, Ohms Primary	Secondary**	Max. Level	Primary DC MA. Max.	Unbal.	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
K-221-Q	Secondary may be used single ended or Push-Pull—has two secondaries with balanced capacitance to ground. Static shield between primary and secondary. 90 db magnetic shielding.	500, 250 30 or 600, 300 36	70,000 or 84,000	—20 db 6 mw ref.	0	—	3 1/2	2 3/8	2 1/2	1 5/8	$36.50
K-231-Q	Same data as K-221-Q.	250, 125 62 1/2, 31 or 300, 150 75, 37 1/2	70,000 or 84,000	—20 db 6 mw ref.	0	—	3 1/2	2 3/8	2 1/2	1 5/8	36.50
K-251-Q	Same data as K-221-Q except 30 db magnetic shielding.	500, 250 125, 62 1/2 or 600, 300 150, 75	40,000 or 48,000	+ 15 db 6 mw ref.	0	—	4 1/8	3 3/16	3 1/16	2 3/8	45.00
K-281-Q	For Push-Pull only—two secondaries with balanced capacitance to ground.	500, 220 125, 56, 14 or 600, 265 150, 67, 17	30,000 or 36,000	+ 30 db 6 mw ref.	0	—	4 5/8	3 5/8	3 1/2	5 1/2	52.50

**Secondary impedance is total of two separate windings.

20-20 INTERSTAGE TRANSFORMERS

20-20 Type Number*	Descriptive Data	Impedance, Ohms Primary	Secondary	Max. Level	Primary DC MA. Max.	Unbal.	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
G-212-Q	Both primary and secondary may be used single-ended or in Push-Pull—has two secondary windings with balanced capacitance to ground—static shield between primary and secondary—parallel feed recommended. 90 db magnetic shielding.	10,000 2,500	40,000 10,000	—20 db 6 mw ref.	5 Per Winding Push-Pull Only	0	3 1/2	2 3/8	2 1/2	1 5/8	$36.50
G-252-Q	Same data as G-212-Q except 30 db magnetic shield.	10,000 2,500	40,000 10,000	+ 15 db 6 mw ref.	10 Per Winding Push-Pull Only	0	4 1/8	3 3/16	3 1/16	2 3/8	45.00

20-20 OUTPUT TRANSFORMERS

20-20 Type Number*	Descriptive Data	Impedance, Ohms Primary	Secondary	Max. Level	Primary DC MA. Max.	Unbal.	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
S-215-Q	Primary may be used single ended or in Push-Pull — two secondaries with balanced capacitance to ground — parallel feed is recommended. 60 db magnetic shield.	20,000 5,000 or 24,000 6,000	500, 250 125, 62 1/2 or 600, 300 150, 75	+ 15 db 6 mw ref.	15 Per Winding Push-Pull Only	0	4 1/8	3 3/16	3 1/16	2 1/8	$45.00
S-220-Q	Same data as S-215-Q.	12,500 3125 or 15,000 3750	500, 250 125, 62 1/2 or 600, 300 150, 75	+ 15 db 6 mw ref.	15 Per Winding Push-Pull Only	0	4 1/8	3 3/16	3 1/16	2 1/8	45.00
S-230-Q	Secondary may be operated with one end grounded.	6600 C.T.	16, 8, 4, 2	20 watts + 35 db	70	7	4 5/8	3 5/8	3 1/2	6	26.00
S-235-Q	Secondary should be operated balanced to ground.	6600 C.T.	500, 250 125, 62 1/2	20 watts + 35 db	70	7	4 5/8	3 5/8	3 1/2	6	26.50
S-240-Q	Same as S-230-Q.	5000 C.T.	16, 8, 4, 2	20 watts	90	9	4 5/8	3 5/8	3 1/2	6	26.00
S-245-Q	Same as S-230-Q.	3000 C.T.	16, 8, 4, 2	20 watts	110	11	4 5/8	3 5/8	3 1/2	6	26.00
S-250-Q	Same as S-235-Q.	3000 C.T.	500, 250 125, 62 1/2	20 watts	110	11	4 5/8	3 5/8	3 1/2	6	26.50
S-265-Q	Two center-tapped primaries may be used in series or parallel. Secondary may be operated with one end grounded.	10,000 C.T. 2500 C.T.	16, 8, 4, 2	40 watts + 38 db	110 220	11 22	5	4 5/16	4 1/16	10	45.00
S-270-Q	Same as S-265-Q except secondary should be operated balanced to ground.	10,000 C.T. 2500 C.T.	500, 250 125, 62 1/2	40 watts + 38 db	110 220	11 22	5	4 5/16	4 1/16	10	45.00

20-20 IMPEDANCE MATCHING TRANSFORMERS

20-20 Type Number*	Descriptive Data	Impedance, Ohms Primary	Secondary	Max. Level	Primary DC MA. Max.	Unbal.	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
E-214-Q	Between line and speaker.	1000 500, 250	16, 8, 4, 2	10 watts + 32 db	—	—	4 1/8	3 3/16	3 1/16	2 3/4	$19.50
E-224-Q	Same as E-214-Q.	1000 500, 250	16, 8, 4, 2	20 watts + 35 db	—	—	4 5/8	3 5/8	3 1/2	6	27.00
E-234-Q	Same as E-214-Q.	1000 500, 250	16, 8, 4, 2	40 watts + 38 db	—	—	5	4 5/16	4 1/16	10	45.00

INPUT TRANSFORMERS

Type Number*	Application	Impedance, Ohms Primary	Secondary	Turns Ratio	Freq. Range ±1 db	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
K-007-X	Single-Button Mic. to 1 or 2 Grids.	100	700,000 C.T.	1:84	Voice	1 5/8	2 7/8	1 5/8	1/2	$3.85
K-021-X	Dbl.-But. Mic. or Line to 1 or 2 Grids	200 C.T.	100,000 C.T.	1:22 1/2	100-5,000	2	3 1/2	2	1	3.80
K-035-X	Dbl.-But. Mic. or Line to 1 or 2 Grids	500 C.T.	100,000 C.T.	1:14	100-5,000	2	3 1/2	2	1	3.80
K-049-D	Line to P.-P. Grids Max. Level -34 db. Level=0 db. 30 db Mag. Shielding.	500 C.T.-333-250 200 C.T.-125-50	60,000		30-15,000	2 7/8	1 3/4	1 3/4	1	17.50
K-049-Q	Same as K-049-D except has 90 db Magnetic Shielding	500 C.T.-333-250 200 C.T.-125-50	60,000		30-15,000	3 1/2	2 3/8	2 1/2	1 1/2	24.00
X-420-X	Voice Coil to Grid.	4	25,000	1:80	Voice	1 7/16	2 1/2	1 1/2	3/8	2.75
K-063-A	Line to P.-P. Grids. Max. Level -34 db.	500 C.T.-125	12,500		30-15,000	3 1/8	3	2 9/16	2 1/2	11.75
K-077-X	S. B. Mic. and Single Plate to Grid.	10,000-100	40,000	1:2,1:20	Voice	1 1/4	1 1/8	1 1/4	1/4	3.50

INTERSTAGE TRANSFORMERS

G-306-X	Single Plate to 1 or 2 Grids.	10,000	96,000 C.T.	1:3.1	100-5,000	1 5/8	2 7/8	1 5/8	1/2	$3.05
G-318-D	Single Plate to Single Grid. Max. Level, 0 db. 30 db. Mag. Shielding.	10,000	60,000		30-15,000	2 7/8	1 3/4	1 3/4	1	16.00
G-324-A	Single Plate to 1 or 2 Grids.	10,000	60,000	1:2.45	40-10,000	2 1/8	2 1/8	2 1/4	1 5/8	6.25
G-336-A	Push-Pull Plates to 1 or 2 Grids.	20,000 C.T.	30,000 C.T.		40-10,000	2 1/8	2 1/8	2 1/4	1 5/8	6.85

REACTORS

Type Number*	Application	Res. Ohms	Ind. Henries	DC MA. Normal	Max.	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
L-350-X	Smp. Pentode Eqlz. for Hi Fre. Peak.	90	2	2	10	1 5/8	2 7/8	1 5/8	1/2	$5.85
L-355-X	Smp. Pentode Eqlz. for Low Fre. Peak.	4200	160	2	10	1 5/8	2 7/8	1 5/8	1/2	6.90
L-360-D	Tone Control (Cathode Circuit).	220	23	0	0	2 7/8	1 5/8	Round	1/2	4.80
L-365-Q	HF and LF Equalizer for Pentode, 30 db Shielding.	90-4200	2-160	2-2	10-10	4 5/8	3 5/8	3 1/2	3	19.50
Q-370-X	To Isolate DC from Interstage Transf.	4000	275	5	10	1 5/8	2 7/8	1 5/8	1/2	3.90

IMPEDANCE MATCHING TRANSFORMERS

Type Number*	Application	Impedance, Ohms Primary	Secondary	Audio Watts	Freq. Range	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
E-372-Q	Mic. or Line to Line—Static Shield Btwn. Pri. & Sec. 60 db Mag. Shield.	500 C.T.-333-250 200 C.T.-125-50	500 C.T.-333-250 200 C.T.-125-50	+10 db	30-15,000	3 1/2	2 3/8	2 1/2	1 1/2	$27.00
E-377-X	Line to Speaker.	500	16-8	5	40-10,000	2	3 1/2	2	1	4.50
E-382-X	Line to Speaker.	2000-1500-1000 500-250	16-12-8-4-2	10	40-10,000	2 3/8	3 3/4	2 1/4	1 1/2	9.50
E-387-E	Line to Speaker.	2000-1500-1000 500-250	16-12-8-4-2	25	40-10,000	3 1/2	3 1/4	2 7/8	3 3/4	12.00

DRIVER TRANSFORMERS

Type Number*	Driver Tubes	Output Tubes	Turns Ratio Pri.-1/2 Sec.	Pri. Current MA. DC	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
D-001-X	1-1H4, 30, 1G4G	1-1J6G, 1G6G or 2-1H4G	2.66:1	15	1 1/4	1 1/8	1 1/4	1/4	$3.00
D-006-X	1-6J5, 6A6, 6N7, 76, 30	2-6A6, 6N7, 19, 30	2.66:1	25	2	3 1/2	2	1	4.40
D-011-X	1-6F6, 42, 2A5, 45	2-6L6, 2A3, 6F6, 45, 6V6	1.33:1	50	2	3 1/2	2 1/4	1 1/4	5.70
D-016-X	2-6C5, 6J5, 76, 56, or 1-6F6, 42, 45, 6A6, 6N7	2-6L6, 2A3, 6F6, 45 6V6, 6A6, 6N7	4.4, 2.8:1 2.2, 1.4:1	15 Per Winding	2 3/8	3 3/4	2 1/4	1 1/2	6.50
D-026-A	Universal Driver Plates to B or AB Grids. 15 Watts Audio.	Any Grids	2.0:1 2.9:1	70 Per Winding	3 1/8	3	2 9/16	2 1/2	10.75
D-031-A	Universal Driver Plates to B or AB Grids. 30 Watts Audio.	Any Grids	2.0:1 2.9:1	160 Per Winding	3 1/2	3 3/4	2 7/8	4 1/4	14.75
K-063-A	500-Ohm or 125-Ohm line. 15 Watts Audio.	Any Grids			3 1/8	3	2 9/16	2 1/2	11.75

MODULATION TRANSFORMERS

Type Number*	Tubes Used	Audio Watts	Impedance, Ohms Primary	Secondary	Sec. Current MA. DC	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
M-003-X	1-1S6G, 1G6G or 2-1H4G, etc.	2	10,000 C.T.	10,000-8000-5000	25	1 1/4	1 1/8	1 1/4	1/4	$3.90
M-008-X	1-19, 6N7, 6A6	5	10,000 C.T.	8000-5000-3500	50	1 5/8	2 7/8	1 5/8	1/2	3.35
M-013-X	1-6N7, 6A6, 53, or 2-6F6, 42, 2A5	10	10,000 C.T.	8000-5000-3500	100	2 3/8	3 3/4	2 1/4	1 1/2	6.20

UNIVERSAL MODULATION TRANSFORMERS

Type Number*	Audio Watts	Primary Current DC MA. Per Side	Seconday Current DC MA. Series	Parallel	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
M-303-A	20	80	80	160	3 1/8	3	2 9/16	2 1/2	$9.25
M-328-A	40	100	100	200	4 3/16	3 1/2	3 3/4	6	14.50
M-353-A	60	130	130	260	5	4 1/4	4 3/8	9 1/2	17.00
M-353-S	60	130	130	260	6 7/8	4 7/8	4 5/8	9 1/2	24.75
M-378-A	85	160	160	320	5	4 7/8	4 3/8	11 3/4	21.50
M-403-S	150	200	200	400	8	6	7 5/8	35	38.00
M-429-K	375	325	325	650	7	9 1/2	5 3/4	31	70.00
M-453-K	650	500	500	1000	7	10 1/2	7 3/4	51	110.00
M-453-S	650	500	500	1000	10	9	8 1/4	68	135.00
M-478-K	1000	650	650	1300	9 1/4	14	9 1/4	110	220.00

REPLACEMENT OUTPUT TRANSFORMERS

Type Number*	Application	Turns Ratio	Impedance, Ohms Primary	Impedance, Ohms Secondary	Max. Pri. MA. DC	Audio Watts	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
X-404-X	1-1Q5, 3Q5, 1G6, 1S4, 3S4, 1C5, etc.	50:1	8000	4 to 2 ½ 3.2 Nominal	15	1	1 ¼	1 ⅛	1 ¼	¼	$2.90
X-408-X	1-25L6, 35L6, 50L6, etc.		2500-2000-1500	6 to 2	60	5	1 7/16	2 ½	1 ½	⅜	2.90
X-412-X	1-6F6, 6V6, 41, 6K6, 6G6, 6A4, 25A6, etc.		10,000-7000 5000-3500	6 to 2	40	5	1 7/16	2 ½	1 ½	⅜	2.90
X-416-X	1-1S4, 1C5, 3Q5, 1Q5, 1T5, etc.		14,000-8000	6 to 2	20	5	1 7/16	2 ½	1 ½	⅜	2.90
X-420-X	1-1A5	80:1	25,000	6 to 2 4 Nominal	10	5	1 7/16	2 ½	1 ½	⅜	2.75
X-424-X	1 or 2-41, 42, 6K6, 6V6, etc		10,000-7000 5000-3500 C.T.	6 to 1.04	40	7	1 5/8	2 7/8	1 5/8	½	3.00
X-428-X	Universal 1 or 2 tubes.		14,000-10,000 7000-5000-4000 C.T.	16 to .13	50	10	2	3 ½	2	1	3.75
X-432-X	2-6F6, 6V6, 6K6, 42, 2A5, 45, 71, 50, 6L6		10,000 8000 C.T.	10-6 4-2 ½	50	15	2 ⅜	3 ¾	2 ¼	1 ½	4.25

STANDARD OUTPUT TRANSFORMERS

Type Number*	Application	Freq. Range ±1 db	Impedance, Ohms Primary	Impedance, Ohms Secondary	Pri. DC MA. Max.	Pri. DC MA. Unbal.	Audio Watts	Dimensions, Inches Height	Depth	Width	Weight Lbs.	List Price
S-448-Q	S. or P.-P. plates to line. 30 db hum bucking.	30-15,000	20,000 C.T. 12,500 C.T. 5000-3125	500 C.T. 200 C.T. 333-250-125-50	15	2	.06	3 ½	2 ⅜	2 ½	1 ½	$20.00
S-456-X	S. or P.-P. plates to line.	Voice	8000 C.T.	500-200-50	10	2	1	1 ¼	1 ⅛	1 ¼	¼	3.85
S-464-X	S. or P.-P. plates to line.	100-5000	18,000 C.T.	500-200-50	10	2	5	1 5/8	2 7/8	1 5/8	½	4.15
S-472-X	S. plate to VC or line.	100-5000	7000	500-200-15 8-4-2 ½	40	40	10	2 ⅜	3 ¾	2 ¼	1 ½	6.50
S-508-A	P.-P. plates to VC.	30-15,000	8000 C.T.	16-12-8-4	45	5	10	2 1/16	2 1/16	2 ¼	1 ¾	9.25
S-516-A	P.-P. plates to VC.	30-15,000	6600 C.T.	16-12-8-4	70	7	20	3 ⅛	3	2 9/16	2 ½	11.75
S-524-A	P.-P. plates to VC or line.	30-15,000	6600 C.T. 5000 C.T.	500 C.T. 125 16-12-8-4	70	7	20	3 ½	3 ¼	2 ⅞	3	12.50
S-532-A	P.-P. plates to VC.	30-15,000	5000 C.T. 3000 C.T.	16-12-8-4	90	9	20	3 ⅛	3	2 9/16	2 ½	12.00
S-540-A	P.-P. plates to VC or line.	30-15,000	2500 C.T. 1500 C.T.	500 C.T. 125 16-12-8-4	200	20	40	4 3/16	3 ¾	3 ¾	6 ¼	18.50
S-548-A	P.-P. plates to VC or line.	30-15,000	3800 C.T. 3200 C.T.	500 C.T. 125 16-12-8-4	250	25	60	5	4 5/8	4 ⅜	12	29.00