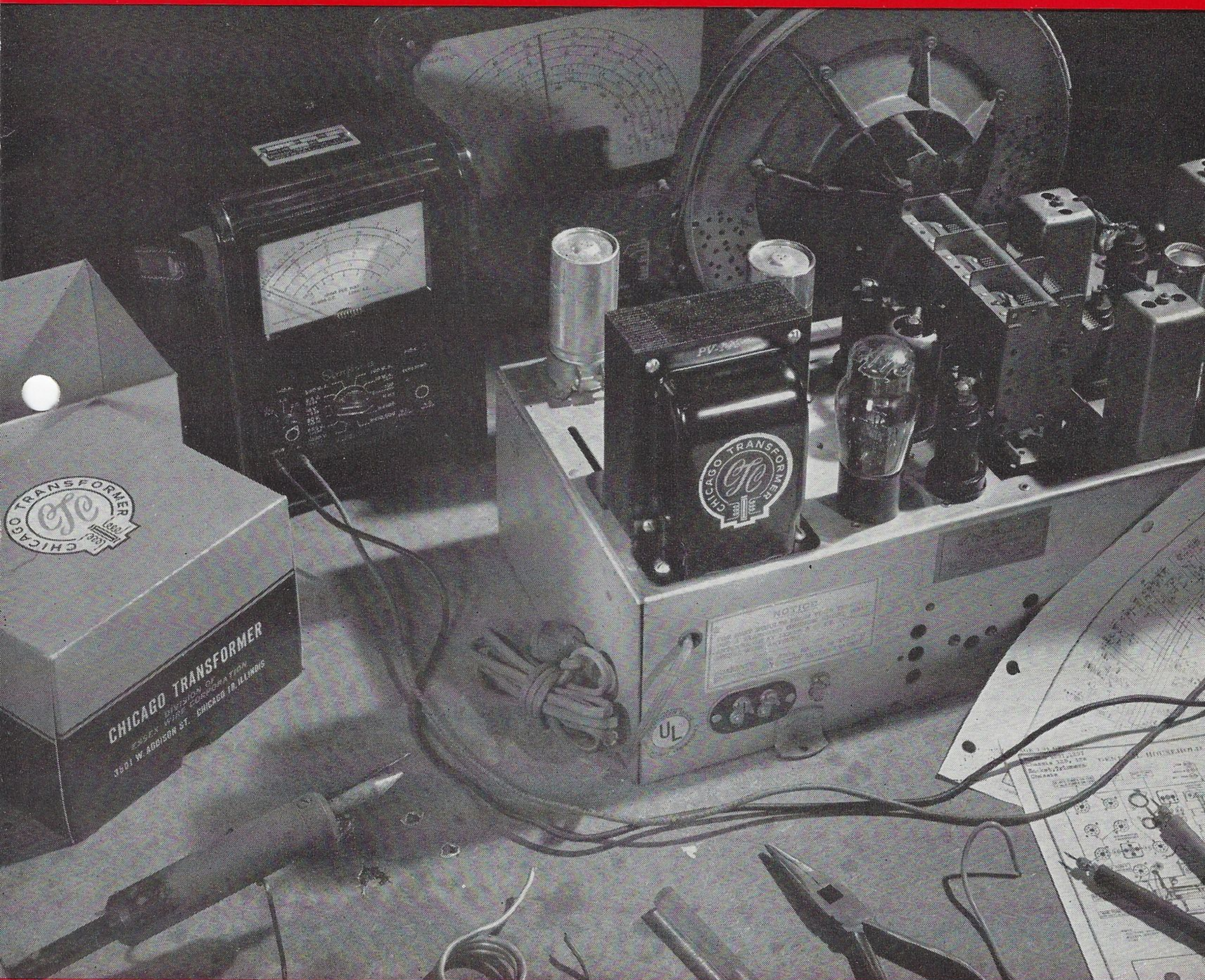


CHICAGO

REPLACEMENT TRANSFORMERS



CHICAGO TRANSFORMER DIVISION

Essex Wire Corporation

3501 ADDISON STREET

CHICAGO 18, ILLINOIS

Power Transformers

Vertical Shield Type (V)—6.3-Volt Filaments

Catalog No.	High Voltage Secondary		Rectifier Filament		Other Filaments		Dimensions			Wt. Lbs.	List Price
	A-C Volts	D-C Ma.	Volts	Amps	Volts	Amps	H	W	D		
PV-40	225-0-225	40	5	2	6.3 C-T	1	3 $\frac{1}{8}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{4}$	6.60
PV-50	325-0-325	50	5	3	6.3 C-T	2	3 $\frac{3}{4}$	2 $\frac{7}{8}$	3	3 $\frac{3}{4}$	7.40
PV-60	250-0-250	60	5	2	6.3 C-T	2	3 $\frac{1}{8}$	2 $\frac{1}{2}$	3	3	7.90
PV-70	350-0-350	70	5	3	6.3 C-T	3	4 $\frac{1}{8}$	3 $\frac{1}{8}$	3 $\frac{1}{8}$	5	8.50
PV-70A	300-0-300	70	5	3	6.3 C-T	3	3 $\frac{3}{4}$	2 $\frac{7}{8}$	3 $\frac{1}{8}$	4	8.40
PV-90	350-0-350	90	5	3	6.3 C-T	3.5	4 $\frac{1}{8}$	3 $\frac{1}{8}$	3 $\frac{1}{2}$	5 $\frac{1}{4}$	9.50
PV-100	350-0-350	100	5	3	6.3 C-T	5	4 $\frac{7}{8}$	3 $\frac{3}{4}$	3 $\frac{3}{4}$	7 $\frac{1}{2}$	9.80
PV-120	300-0-300	120	5	3	6.3 C-T	5	4 $\frac{1}{8}$	3 $\frac{1}{8}$	3 $\frac{3}{4}$	5 $\frac{3}{4}$	10.00
PV-120A	350-0-350	120	5	3	6.3 C-T	4.5	4 $\frac{1}{8}$	3 $\frac{1}{8}$	3 $\frac{7}{16}$	6	11.00
PV-145	372-0-372	145	5	3	6.3 C-T	5	4 $\frac{7}{8}$	3 $\frac{3}{4}$	4	9	11.80
PV-200	400-0-400	200	5	4	6.3 C-T	5.5	4 $\frac{7}{8}$	3 $\frac{3}{4}$	4 $\frac{1}{4}$	9	13.80

Horizontal Shield Type (H)—6.3-Volt Filaments

PH-40	250-0-250	40	5	2	6.3 C-T	1.6	3	3	2 $\frac{1}{2}$	2 $\frac{1}{2}$	6.80
PH-50	250-0-250	50	5	2	6.3 C-T	2	3 $\frac{1}{2}$	3	2 $\frac{1}{2}$	3	6.90
PH-50A	280-0-280	50	5	3	6.3 6.3	1.5 .6	3 $\frac{1}{4}$	3	2 $\frac{1}{2}$	3 $\frac{1}{2}$	7.10
PH-70	300-0-300	70	5	3	6.3 C-T	3	3 $\frac{1}{2}$	3 $\frac{3}{8}$	2 $\frac{13}{16}$	4	7.20
PH-70B	350-0-350	70	5	3	6.3 C-T	2.5	3 $\frac{3}{4}$	3	2 $\frac{1}{2}$	4 $\frac{1}{2}$	7.30
PH-90	350-0-350	90	5	3	6.3 C-T	3.5	3 $\frac{3}{4}$	3 $\frac{3}{4}$	3 $\frac{1}{8}$	5 $\frac{1}{4}$	7.70
PH-120	300-0-300	120	5	3	6.3 C-T	5	3 $\frac{7}{8}$	3 $\frac{3}{4}$	3 $\frac{1}{8}$	5 $\frac{3}{4}$	8.50
PH-120B	350-0-350	120	5	3	6.3 V	4.5	3 $\frac{7}{8}$	4 $\frac{1}{8}$	3 $\frac{1}{2}$	6	8.50
PH-200	350-0-350	200	5	3	6.3 C-T	6	4	4 $\frac{1}{2}$	3 $\frac{3}{4}$	8	12.25

Horizontal Shield Type (H)—6.3 and 2.5-Volt Filaments

PH-60	300-0-300	60	5	3	6.3 C-T 2.5 C-T	2.5 7.5	3 $\frac{1}{2}$	3 $\frac{3}{8}$	2 $\frac{13}{16}$	4 $\frac{1}{2}$	8.25
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Horizontal Shield Type (H)—2.5-Volt Filaments

PH-70A	325-0-325	70	5	3	2.5 C-T	9	3 $\frac{5}{8}$	3 $\frac{3}{4}$	3 $\frac{1}{8}$	4 $\frac{1}{2}$	8.25
PH-120A	325-0-325	120	5	3	2.5 C-T 2.5 C-T	12.5 3.5	3 $\frac{7}{8}$	4 $\frac{1}{8}$	3 $\frac{1}{2}$	6	10.50

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

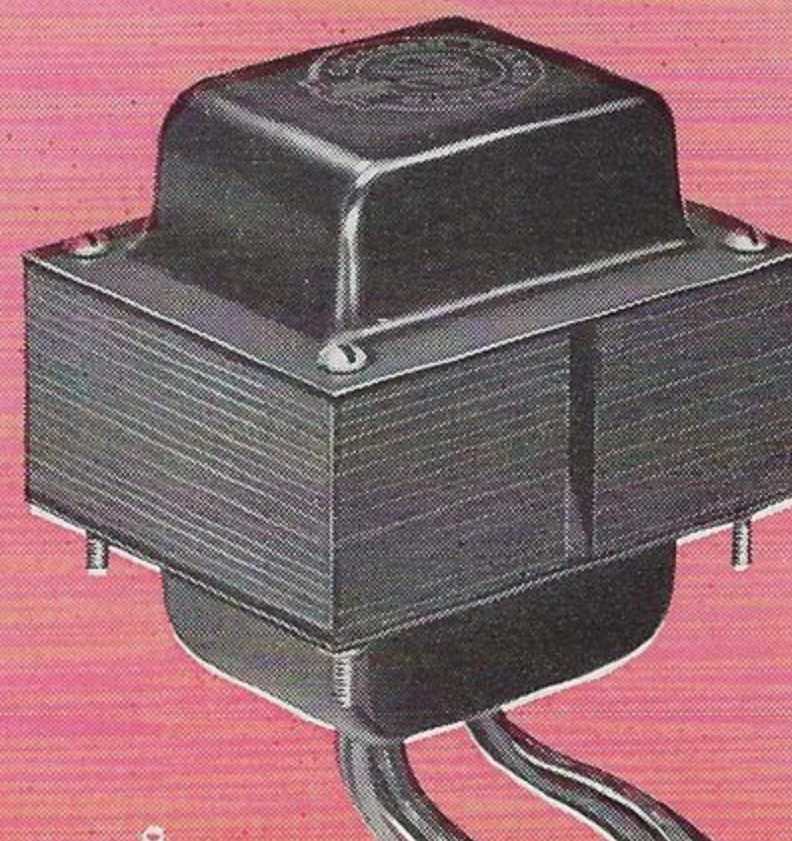
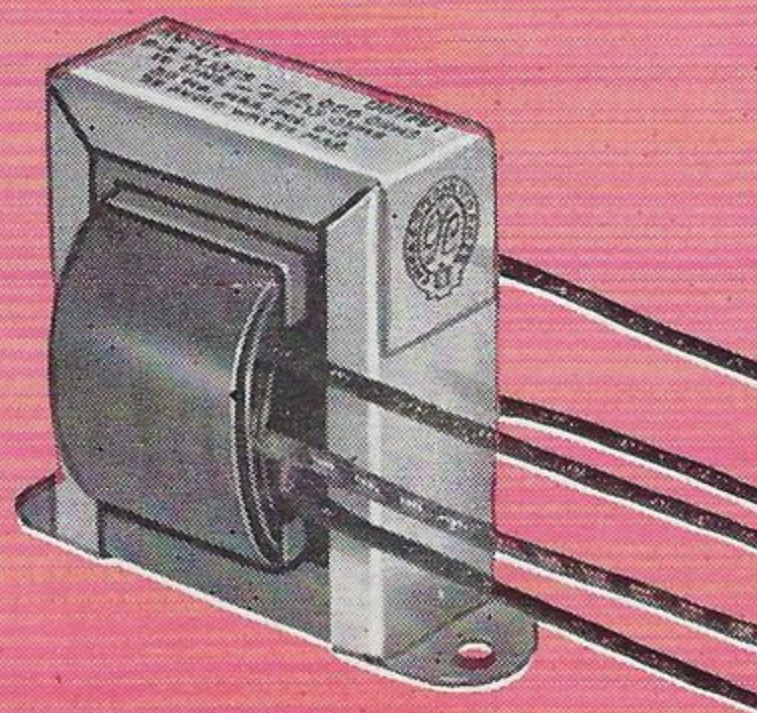
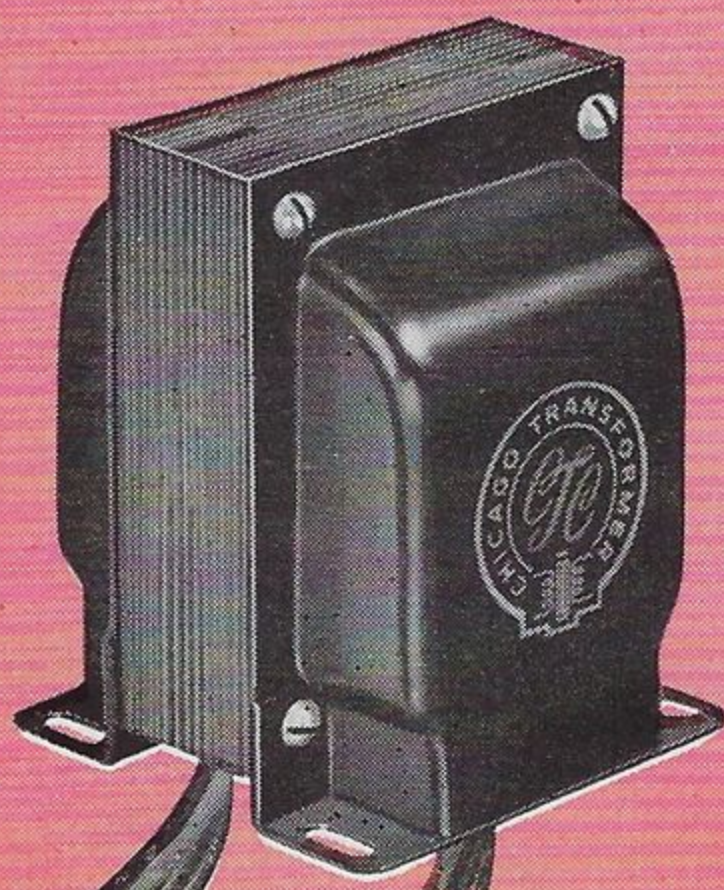
Filament Transformer

Catalog No.	Secondary		Primary		Insulation Test Volts	Mounting Type	Dimensions			Wt. Lbs.	List Price
	Volts	Amps	Volts	Cycles			H	W	D		
F-633	6.3 C-T	3	117	60	2000	U	2 $\frac{3}{8}$	2 $\frac{7}{8}$	1 $\frac{3}{4}$	1	3.60

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Filter Reactors

Catalog No.	Inductance in henries	Maximum D-C Current Ma.	D-C Resistance in ohms	Insulation Test Volts	Mounting Type	Dimensions H W D	Wt. Lbs.	List Price
R-1230	12	30	400	2000	L	1 $\frac{3}{8}$ 2 $\frac{3}{8}$ 1 $\frac{3}{8}$	$\frac{1}{2}$	1.55
R-1240	12	40	400	2000	L	1 $\frac{5}{8}$ 2 $\frac{7}{8}$ 1 $\frac{3}{8}$	$\frac{3}{4}$	1.60
R-650	6	50	300	1500	L	1 $\frac{5}{8}$ 2 $\frac{7}{8}$ 1 $\frac{3}{8}$	$\frac{3}{4}$	1.65
R-1365	13	65	500	2000	L	2 $\frac{1}{4}$ 3 $\frac{3}{4}$ 2 $\frac{1}{4}$	1 $\frac{1}{2}$	2.50
R-885	8	85	250	2000	L	2 $\frac{1}{4}$ 3 $\frac{3}{4}$ 2 $\frac{1}{4}$	1 $\frac{1}{2}$	2.75
R-23110	23	110	250	2000	V	3 $\frac{1}{8}$ 2 $\frac{1}{2}$ 2 $\frac{3}{4}$	2 $\frac{1}{2}$	3.80
R-8120	8	120	350	1500	L	2 $\frac{1}{2}$ 4 2	2 $\frac{1}{2}$	3.90
R-7150	7.5	150	160	2000	V	3 $\frac{1}{8}$ 2 $\frac{1}{2}$ 3 $\frac{1}{8}$	2 $\frac{1}{2}$	3.50
R-7200	8	200	125	3000	V	3 $\frac{3}{8}$ 2 $\frac{7}{8}$ 3 $\frac{1}{8}$	3 $\frac{3}{4}$	6.30

Driver Transformers

Catalog No.	Typical Applications From Driver Tubes To Output Tubes	Class	Ratio Pri: $\frac{1}{2}$ 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	1 $\frac{5}{8}$ 2 $\frac{7}{8}$ 1 $\frac{1}{2}$	$\frac{3}{4}$	2.60
D-30	6C5, 6R7, or Triode 6F6 P-P 6L6's	AB	3:1	30	LS	2 3 $\frac{1}{4}$ 2 $\frac{1}{8}$	1	3.75
D-35	Triode Plate P-P Grids		1:1, 1.5:1 or 2:1	20	L	2 3 $\frac{1}{4}$ 1 $\frac{7}{8}$	1	4.00
D-40	6C5, 6R7, or Triode 6F6 P-P 6L6's	AB	3:1	40	V	3 $\frac{1}{8}$ 2 $\frac{1}{2}$ 2 $\frac{1}{2}$	2 $\frac{1}{2}$	5.50

Interstage

Catalog No.	Application	Class	Ohms Impedance Pri. Sec.	Max. Primary D-C Ma.	Ratio Sec.: Pri.	Mtg. Type	Dimensions H W D	Wt. Lbs.	List Price
IN-10	Sgl. Plate to P-P Grids	A	10000 160,000	10	4:1	L	2 3 $\frac{1}{4}$ 1 $\frac{3}{4}$	1	3.20
IN-11	Sgl. Plate to P-P Grids	A	10000 122,500	10	3.5:1	L	1 $\frac{5}{8}$ 2 $\frac{7}{8}$ 1 $\frac{1}{2}$	$\frac{5}{8}$	2.60
IN-13	Sgl. Plate to P-P Grids	A	10000 90,000	10	3:1	L	2 3 $\frac{1}{4}$ 1 $\frac{7}{8}$	1	3.20
IN-14	Sgl. Plate to P-P Grids	A	10000 90,000	10	3:1	L	1 $\frac{5}{8}$ 2 $\frac{7}{8}$ 1 $\frac{1}{2}$	$\frac{5}{8}$	2.90
IN-15	P-P Plates to P-P Grids	A	10000 * 90,000	10	3:1	L	2 3 $\frac{1}{4}$ 1 $\frac{7}{8}$	1	4.05
IN-16	Sgl. or P-P Input & Output	A		10	1:1, 3:1, or 6:1	L	2 3 $\frac{1}{4}$ 2 $\frac{1}{4}$	1 $\frac{1}{2}$	4.25

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

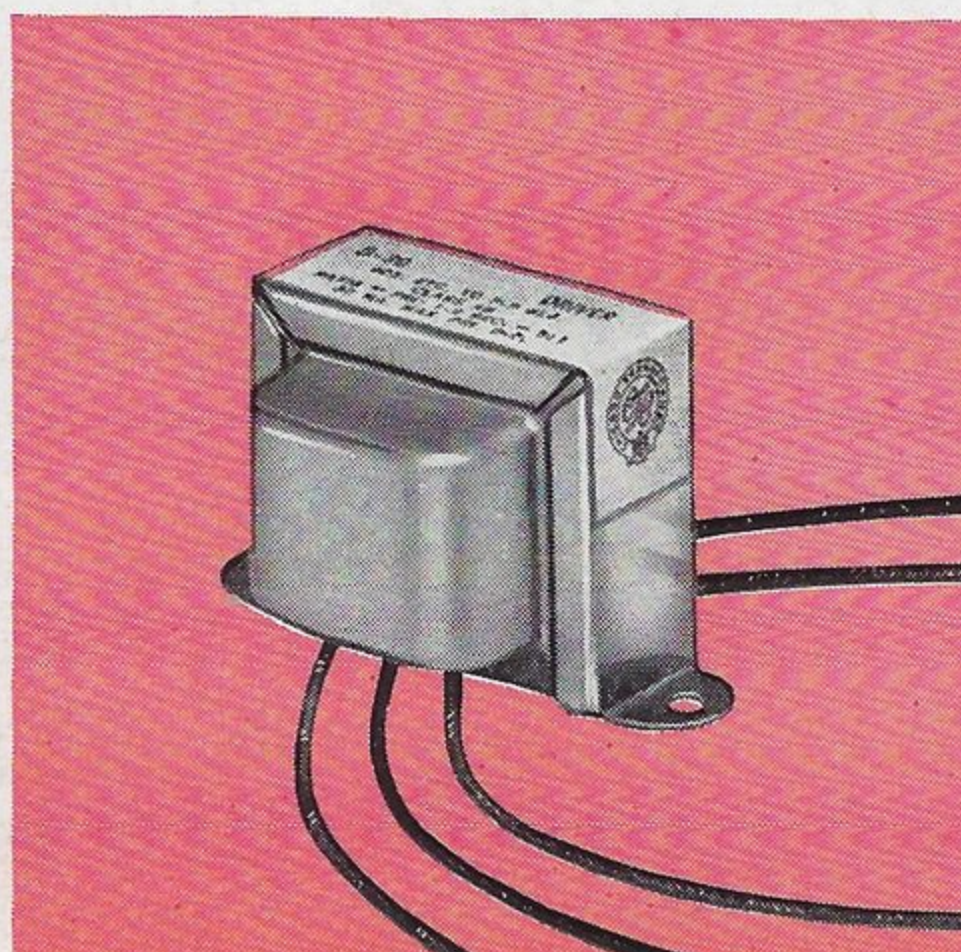
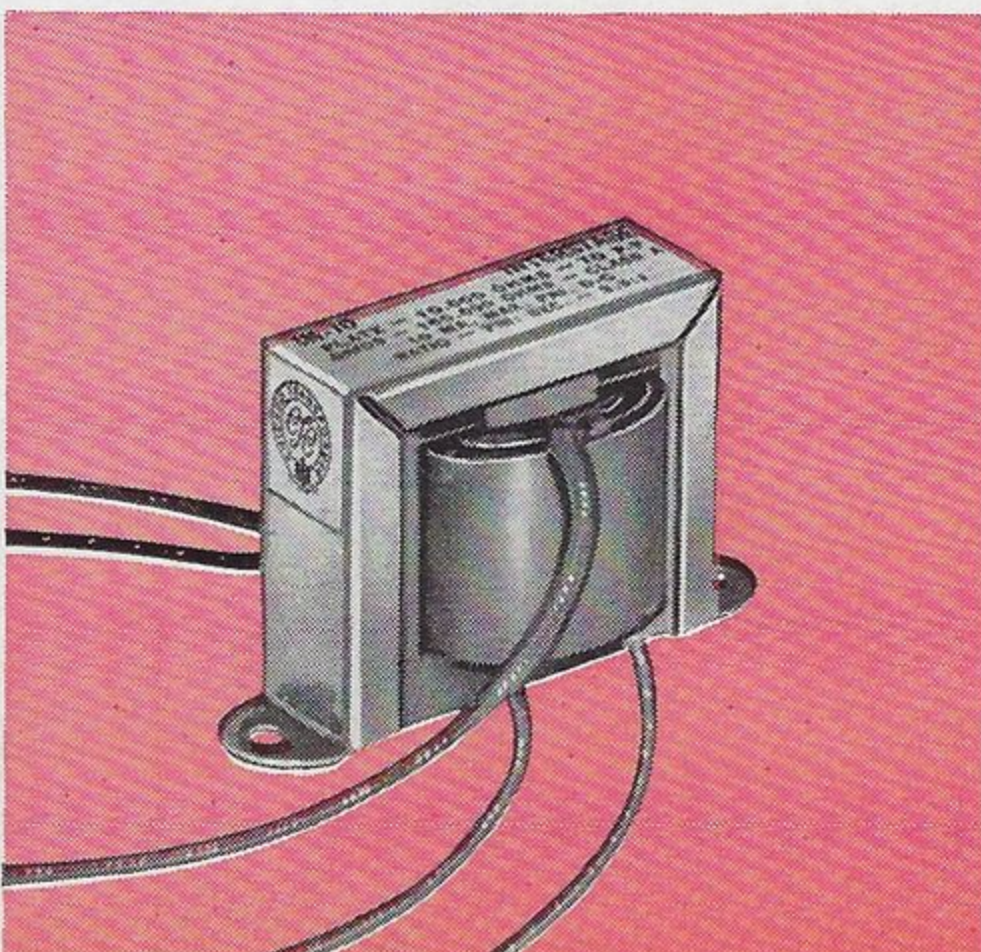
Speaker Matching

Catalog No.	Ohms Impedance		Pri. D-C Ma.	Max. Watts	Mtg. Type	Dimensions			Wt. Lbs.	List Price	
	Primary	Secondary				H	W	D			
SM-1	Sgl. Tube—500-1000-1500-2000		6	80	12	U	2 ³ / ₈	2 ⁷ / ₈	1 ⁷ / ₈	1	3.75
SM-2	Sgl. Tube—2500-4000-6000-8000		6	80	12	U	2 ³ / ₈	2 ⁷ / ₈	1 ⁷ / ₈	1	4.00

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Output Transformers

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	1 $\frac{3}{8}$ 2 $\frac{3}{8}$ 1 $\frac{1}{4}$	$\frac{1}{2}$	1.75
RO-3	25L6 (10-ohm tap on primary)	2000 3 to 6	50	4	L	1 $\frac{3}{8}$ 2 $\frac{3}{8}$ 1 $\frac{3}{8}$	$\frac{1}{2}$	2.10
RO-6	12A5, 25A6, 45, 71A	4000 4-8-15	40	10	L	2 3 $\frac{1}{4}$ 1 $\frac{3}{4}$	1	2.60
RO-8	2A5, 25A6, 43	4500 3 to 6	35	5	L	1 $\frac{3}{8}$ 2 $\frac{3}{8}$ 1 $\frac{1}{4}$	$\frac{1}{2}$	1.85
RO-9	6V6, 25A7G, 30, 31, 50	5000 4-8-15	50	8	L	2 3 $\frac{1}{4}$ 1 $\frac{3}{4}$	1	2.60
RO-11	1S4	6000 3 to 6	5	2	L	1 $\frac{1}{8}$ 2 $\frac{1}{8}$ 1 $\frac{1}{8}$	$\frac{3}{8}$	1.60
RO-13	7B5, 18, 31, 33, 42, 46, 47, 59, 69	7000 3 to 6	35	5	L	1 $\frac{3}{8}$ 2 $\frac{3}{8}$ 1 $\frac{1}{4}$	$\frac{1}{2}$	1.75
RO-16	1C5G, 1G5G, 1J6G, 6A4, 6A6, 6G6, 6K6, 38, 41	10000 3 to 6	30	5	L	1 $\frac{3}{8}$ 2 $\frac{3}{8}$ 1 $\frac{1}{4}$	$\frac{1}{2}$	1.80
RO-18	1A5G, 1E7G, 1N6G, 6V7G	25000 3 to 6	10	5	L	1 $\frac{5}{8}$ 2 $\frac{7}{8}$ 1 $\frac{3}{8}$	$\frac{5}{8}$	1.70

Push-Pull Plates to Voice Coil

RO-110	P-P 2A5, 6AC5G, 6A6, 6N7, Pentode 6F6, 6V6, 45	10000 4-8-15	80	12	U	2 $\frac{3}{8}$ 2 $\frac{7}{8}$ 1 $\frac{3}{4}$	1	3.00
RO-111	P-P 6B5, 6K6, 6N6G, 7B5, 31 33, 46, 47, 49, Triode 89	14000 4-8-15	80	15	U	2 $\frac{3}{8}$ 2 $\frac{7}{8}$ 1 $\frac{3}{4}$	1	3.20
RO-113	P-P 1A5G, 1E7G, 1N6G, 6V7G	30000 3 to 6	20	7	L	1 $\frac{5}{8}$ 2 $\frac{7}{8}$ 1 $\frac{1}{2}$	$\frac{5}{8}$	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	1 $\frac{5}{8}$ 2 $\frac{7}{8}$ 1 $\frac{1}{2}$	$\frac{5}{8}$	2.60

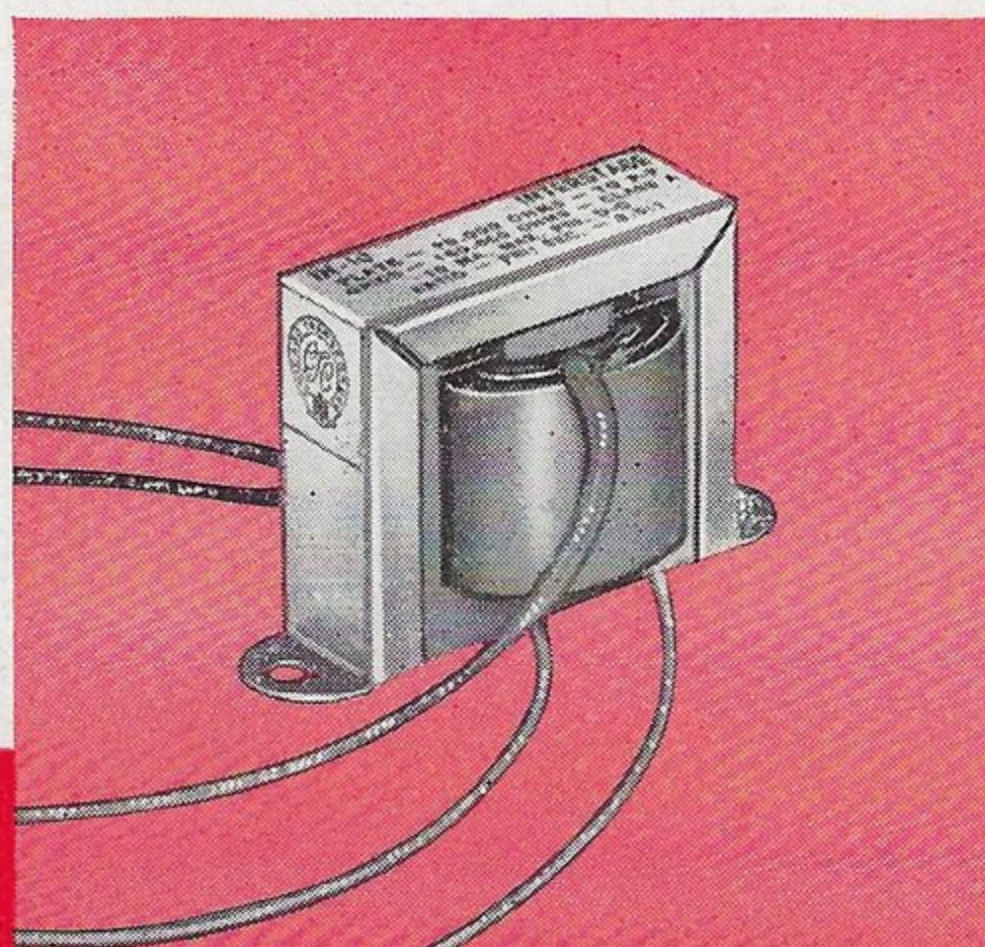
Universal Type—Single or Push-Pull Plates to Voice Coil

RO-301	2500 to 14000 2, 4, 6, 8, 15, etc.	30	4	L	1 $\frac{3}{8}$ 2 $\frac{3}{8}$ 1 $\frac{5}{8}$	$\frac{1}{2}$	2.65
RO-302	2500 to 15000 2, 4, 6, 8, 15	50	4	L	1 $\frac{3}{8}$ 2 $\frac{3}{8}$ 1 $\frac{5}{8}$	$\frac{5}{8}$	2.65
RO-303	2500 to 14000 2, 4, 6, 8, 15, etc.	40	8	L	1 $\frac{5}{8}$ 2 $\frac{7}{8}$ 1 $\frac{7}{8}$	$\frac{5}{8}$	2.75
RO-304	2500 to 13000 2, 4, 6, 8, 15	70	8	U	2 2 $\frac{1}{2}$ 1 $\frac{7}{8}$	1 $\frac{3}{16}$	3.00
RO-305	2500 to 14000 2, 4, 6, 8, 15, etc.	60	12	L	2 3 $\frac{1}{4}$ 2 $\frac{3}{8}$	1	4.10
RO-307	2500 to 14000 2, 4, 6, 8, 15, etc.	50	10	U	2 $\frac{3}{8}$ 2 $\frac{7}{8}$ 2 $\frac{1}{4}$	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	2 $\frac{5}{16}$ 2 $\frac{3}{4}$ 2 $\frac{3}{8}$	1 $\frac{1}{2}$	4.20
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