

MAY 16 1940 W 7 C + G

KENYON

**UNIVERSAL
REPLACEMENT**

Transformers

for

All Standard Radio Receivers,
Public Address Systems and
Other Radio Applications.



[**Catalog R-3**]
Revised Edition

Prices Effective — December 1, 1938
Subject to Change Without Notice.

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KENYON UNIVERSAL REPLACEMENT TRANSFORMERS

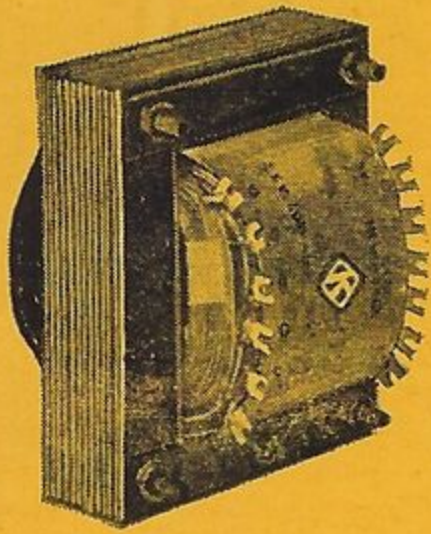


Fig. 4

These replacement power transformers will suitably service practically every standard receiver and amplifier now in use. All units are built with electrostatic shield between primary and secondaries, and insulation insured by a special vacuum-varnish treatment for protection against adverse climatic conditions.

Half shell type units, Fig. 4, are especially popular for flush mounting in midget sets, while

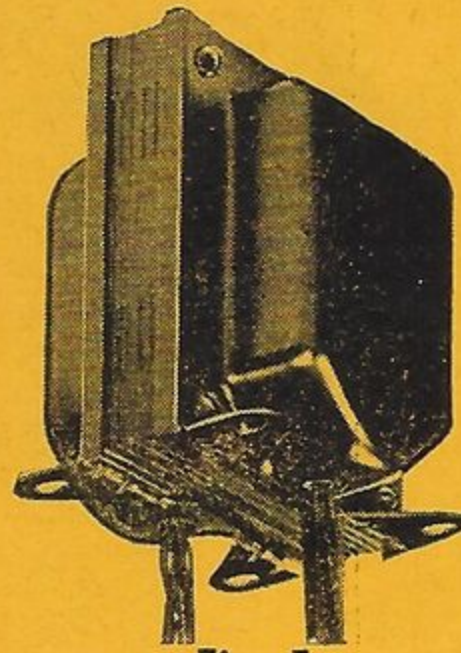


Fig. 5

double shell type units, Fig. 5, find favor for use where fully shielded upright mounting units are desired.

Double shell Underwriters type units, Fig. 6, are designed to meet requirements for compact fully shielded transformers which can be mounted upright, horizontal or sidewise. Universal mounting brackets are furnished for this purpose which also have double slotted mounting holes to allow for mounting hole variations.

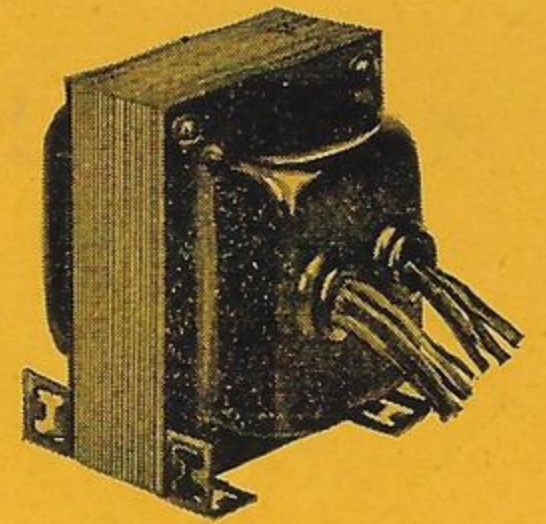


Fig. 6

POWER TRANSFORMERS—Half Shell Type—With Lug Terminals—Flush Mounting

Type No.	High Voltage		Filament 1		Filament 2		Filament 3		Figure	Base Dimensions	Mounting Dimensions	List Price
	Volts C.T.	M.A.	Volts	Amps.	Volts	Amps.	Volts	Amps.				
K-40M	640	40	5	2	2.5 C.T.	5.5	.....	.....	4	2 1/2 x 3	2 x 2 1/2	\$2.25
K-40	650	40	5	2	2.5 C.T.	5.5	.....	.....	4	3 3/8 x 2 13/16	2 13/16 x 2 1/4	2.25
K-40MY	640	40	5	2	6.3 C.T.	2.1	.....	.....	4	2 1/2 x 3	2 x 2 1/2	2.25
K-54	670	50	5	2	2.5 C.T.	7	.....	.....	4	3 3/8 x 2 13/16	2 13/16 x 2 1/4	2.75
K-54Y	670	50	5	2	6.3 C.T.	3	.....	.....	4	3 3/8 x 2 13/16	2 13/16 x 2 1/4	2.75
K-54X	700	50	5	2	2.5 C.T.	5.25	2.5 C.T.	1.75	4	3 3/8 x 2 13/16	2 13/16 x 2 1/4	3.00
K-67	700	75	5	3	2.5 C.T.	9	.....	.....	4	3 3/8 x 3 1/8	3 1/8 x 2 1/2	3.25
K-67Y	700	75	5	3	2.5 C.T.	3	6.3 C.T.	3	4	3 3/8 x 3 1/8	3 1/8 x 2 1/2	3.50
K-67X	700	75	5	3	2.5 C.T.	9	2.5 C.T.	3	4	3 3/8 x 3 1/8	3 1/8 x 2 1/2	3.50
K-87	650	100	5	3	2.5 C.T.	12	.....	.....	4	3 3/8 x 3 1/8	3 1/8 x 2 1/2	4.00
K-87Y	650	100	5	3	2.5 C.T.	3	6.3 C.T.	4	4	3 3/8 x 3 1/8	3 1/8 x 2 1/2	4.25
K-87X	650	100	5	3	2.5 C.T.	12	2.5 C.T.	3	4	3 3/8 x 3 1/8	3 1/8 x 2 1/2	4.25
K-90	750	100	5	3	2.5 C.T.	4	2.5 C.T.	12	4	3 3/8 x 3 1/8	3 1/8 x 2 1/2	4.50
K-90Y	750	100	5	3	2.5 C.T.	3	6.3 C.T.	4	4	3 3/8 x 3 1/8	3 1/8 x 2 1/2	4.50

POWER TRANSFORMERS—Double Shell Type—With Leads—Upright Mounting

Type No.	High Voltage		Filament 1		Filament 2		Filament 3		Figure	H.	W.	D.	Mounting Dimensions	List Price
	Volts	M.A.	Volts	Amps.	Volts	Amps.	Volts	Amps.						
R-200	640	40	5	2	6.3/2.5*	2/5*	.....	.....	5	3 1/8	2 5/8	2 11/16	2 x 1 11/16	\$3.00
R-201	650	50	5	2	6.3/2.5*	3/6*	.....	.....	5	3 1/8	2 5/8	3 1/8	2 x 2 1/8	3.50
R-202	680	70	5	2	6.3/2.5*	3/7.5*	.....	.....	5	3 1/8	2 5/8	3 1/8	2 1/4 x 2 1/8	4.25
R-203	700	90	5	2	6.3/2.5*	4/10.5*	.....	.....	5	4 5/8	3 7/8	3 1/2	3 1/8 x 2 1/8	5.25
R-204	700	105	5	3	6.3/2.5*	4/10*	2.5	4	5	4 5/8	3 7/8	3 1/2	3 3/8 x 2 1/8	5.50
R-205	750	120	5	3	6.3/2.5*	5/5*	2.5	12.5	5	4 5/8	3 7/8	3 3/4	3 3/8 x 2 1/8	6.25
R-206	850	165	5	3	6.3	3	6.3	5	5	4 5/8	3 7/8	3 3/4	3 3/8 x 2 1/8	7.50

*NOTE—Transformers R-200 to R-205 inclusive, have a 6.3 volt and 2.5 volt winding. The figures given in the rating show the current which may be taken from either one (the highest current for the 2.5 volt) only one winding should be used—not both.

POWER TRANSFORMERS—Double Shell Underwriters Type—With Leads—Universal Mounting

Type No.	High Voltage		Filament 1		Filament 2		Filament 3		Figure	Base Dimensions	Mounting Dimensions	List Price
	Volts C.T.	M.A.	Volts	Amps.	Volts	Amps.	Volts	Amps.				
R-210	640	40	5	2	2.5 C.T.	5.5	.....	.....	6	2 1/2 x 3	2 x 2 1/2	\$2.25
R-211	640	40	5	2	6.3 C.T.	2.1	.....	.....	6	2 1/2 x 3	2 x 2 1/2	2.25
R-212	670	50	5	2	2.5 C.T.	7	.....	.....	6	3 3/8 x 2 13/16	2 13/16 x 2 1/4	2.75
R-213	670	50	5	2	6.3 C.T.	3	.....	.....	6	3 3/8 x 2 13/16	2 13/16 x 2 1/4	2.75
R-214	700	75	5	2	2.5 C.T.	9	.....	.....	6	3 3/8 x 3 1/8	3 1/8 x 2 1/2	3.25
R-215	700	75	5	3	2.5 C.T.	3	6.3 C.T.	3	6	3 3/8 x 3 1/8	3 1/8 x 2 1/2	3.50
R-216	700	75	5	3	6.3 C.T.	2.5	.....	.....	6	3 3/8 x 3 1/8	3 1/8 x 2 1/2	3.25
R-217	700	75	5	2	2.5 C.T.	9	2.5 C.T.	3	6	3 3/8 x 3 1/8	3 1/8 x 2 1/2	3.50
R-218	650	100	5	2	2.5 C.T.	12	.....	.....	6	3 3/8 x 3 1/8	3 1/8 x 2 1/2	4.00
R-219	700	100	5	3	6.3 C.T.	3.5	.....	.....	6	3 3/8 x 3 1/8	3 1/8 x 2 1/2	4.00
R-220	650	100	5	3	2.5 C.T.	3	6.3 C.T.	4	6	3 3/8 x 3 1/8	3 1/8 x 2 1/2	4.25
R-221	650	100	5	2	2.5 C.T.	12	2.5 C.T.	3	6	3 3/8 x 3 1/8	3 1/8 x 2 1/2	4.25
R-222	750	100	5	3	2.5 C.T.	4	2.5 C.T.	12	6	3 3/8 x 3 1/8	3 1/8 x 2 1/2	4.50
R-223	750	100	5	3	2.5 C.T.	3	6.3 C.T.	4	6	3 3/8 x 3 1/8	3 1/8 x 2 1/2	4.50

All power transformers listed above are designed for 115 volt, 50 to 60 cycle operation. For 230 volts 60 cycle operation add 25% to list prices. For 115 volt 25 cycle operation add 60% to list prices. For 230 volt 25 cycle operation add 100% to list prices.

FILAMENT TRANSFORMERS

Type No.	Volts	Amps.	Figure	H.	D.	W.	Mounting Centers	List Price
K-5	5	4	1	2 1/4	1 7/8	3 3/4	3 3/8	\$1.70
K-6	2.5	6	1	2	1 5/8	3 1/4	2 3/4	1.50
K-6.3	6.3	2.5	1	2 1/4	1 7/8	3 3/4	3 3/8	1.70
K-7.5	7.5	3	1	2 1/4	1 7/8	3 3/4	3 3/8	1.70
K-10	2.5	10	1	2 1/4	1 7/8	3 3/4	3 3/8	1.70

Type Application

KAT.....For use with full-wave vibrator rectifier to deliver 180 Volts D.C.—capacity of winding 60 M.A.....\$2.25

KTT.....Multiple winding filament transformer—modernizes previous models of standard tube testers.

Secondary voltages available: 1.1, 1.5, 2, 2.5, 3.3, 5, 6.3, 7.5, 12, 15, 25, 30 volts.

K45C.....Bias transformer to supply 60-70 volts D.C. at approximately 30 M.A. when used with half-wave rectifier.....2.75

FILTER CHOKES

Type No.	Inductance	Current	Resistance	Figure	H.	D.	W.	Mounting Centers	List Price
KC-800	30 henries	25 M.A.	800 ohms	1	2	1 5/8	3 1/4	2 3/4	\$1.20
KC-320	15 henries	40 M.A.	320 ohms	1	2	1 5/8	3 1/4	2 3/4	1.20
KC-200	20 henries	65 M.A.	200 ohms	1	2	1 5/8	3 1/4	2 3/4	1.20
KC-350	30 henries	75 M.A.	350 ohms	1	2 1/4	2 1/4	3 3/4	3 3/8	1.60
KC-90	8 henries	165 M.A.	90 ohms	1	2 1/2	2 1/2	4	3 1/2	2.00
KC-91	Swinging	165 M.A.	92 ohms	1	2 1/2	2 1/2	4	3 1/2	2.00
KC-40	5 henries	250 M.A.	40 ohms	1	2 1/2	2 1/2	4	3 1/2	2.00

A.C.-D.C. FILTER CHOKES

Type No.	Inductance	Current	Resistance	Figure	H.	D.	W.	Mounting Centers	List Price
R-150	8 henries	40 M.A.	160 ohms	1	1 3/8	1 3/8	2 3/8	2	\$.80
R-151	15 henries	30 M.A.	250 ohms	1	1 3/8	1 3/8	2 3/8	2	.80
R-152	20 henries	25 M.A.	400 ohms	1	1 3/8	1 3/8	2 3/8	2	.80
R-153	30 henries	30 M.A.	500 ohms	1	1 3/8	1 3/8	2 3/8	2	.80

PLATE CHOKES

Type No.	Inductance	Current	Resistance	Figure	H.	D.	W.	Mounting Centers	List Price
KOC	300 henries	10 M.A.	6,000 ohms	1	1 5/8	1 5/8	2 7/8	2	\$1.70
KAC	1000 henries C.T.	10 M.A.	10,000 ohms	1	2 1/2	2	4	3 1/2	2.75



KENYON UNIVERSAL REPLACEMENT TRANSFORMERS



Fig. 1

The replacement transformers and chokes listed below fill a wide variety of applications in practically all types of standard receivers and public address equipment. Since they give satisfactory performance at low cost, they are also extensively employed in amateur radio, television and experimental apparatus.

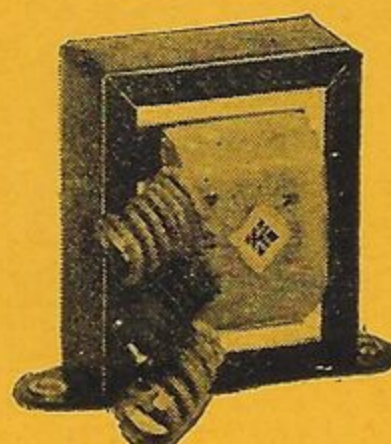


Fig. 2

All units provided with flexible color coded wire leads and rugged mounting flanges. Coils are accurately machine wound and thoroughly impregnated in penetrating high dielectric wax. Kenyon quality construction is incorporated throughout for long, dependable service of any equipment in which they are used.



Fig. 3

HIGH OR LOW IMPEDANCE SOURCE TO SINGLE CLASS "A" GRID TRANSFORMERS

Type No.	Primary to Match	Figure	H.	D.	W.	Mtg. Centers	List Price
R-50	Single Button Microphone or Detector Plate.....	1	1 3/8	1 3/8	2 3/8	2	\$1.10
KA-114M	Single Button Microphone or Plate.....	1	2	1 3/8	3 3/8	2 3/4	2.00
R-54	Single Button Microphone.....	1	1 3/8	1 3/8	2 3/8	2	1.00
KSMG	Single Button Microphone.....	1	2	1 3/8	3 3/8	2 3/4	1.80
R-51	Single Button Telephone Microphone.....	1	2	1 3/8	3 3/8	2 3/4	1.80
R-55	Double Button Microphone.....	1	1 3/8	1 3/8	2 3/8	2	1.00
KMG	Double Button Microphone.....	1	2	1 3/8	3 3/8	2 3/4	1.80
KRG	Velocity Microphone.....	1	2	1 3/8	3 3/8	2 3/4	1.80
KPG	High Impedance Pickup.....	1	2	1 3/8	3 3/8	2 3/4	1.80

AUDIO TRANSFORMERS—Single Plate to Single Class "A" Grid

Type No.	From	Ratio	Figure	H.	D.	W.	Mounting Centers	List Price
R-52	10,000 ohms	1 : 4	1	1 3/8	1 3/8	2 3/8	2	\$1.00
KA-154	10,000 ohms	1 : 4	1	1 3/8	1 3/8	2 3/8	2 3/4	1.20
KA-114	10,000 ohms	1 : 4	1	2	1 3/8	3 3/8	2 3/4	1.75
KR-119	10,000 ohms	1 : 4	2	2 1/4	1 3/8	2 3/8	2 3/4	1.75
KA-34	10,000 ohms	1 : 4	1	2 1/4	1 3/8	3 3/8	3 3/8	2.20

AUDIO TRANSFORMERS—Single Plate to P.P. Class "A" Grids

Type No.	From	Ratio	Figure	H.	D.	W.	Mounting Centers	List Price
R-53	10,000 ohms	1 : 4	1	1 3/8	1 3/8	2 3/8	2	\$1.00
KA-155	10,000 ohms	1 : 4	1	1 3/8	1 3/8	2 3/8	2 3/4	1.25
KA-115	10,000 ohms	1 : 4	1	2	1 3/8	3 3/8	2 3/4	1.80
KA-116	10,000 ohms	1 : 4 (sec. 4 leads)	1	2	1 3/8	3 3/8	2 3/4	1.85
KR-115	10,000 ohms	1 : 4	2	2 1/4	1 3/8	2 3/8	2 3/4	1.80
KA-35	10,000 ohms	1 : 4	1	2 1/4	1 3/8	3 3/8	3 3/8	2.25
KA-36	10,000 ohms	1 : 4 (sec. 4 leads)	1	2 1/4	1 3/8	3 3/8	3 3/8	2.25
KA-55	10,000 ohms		1	2 1/2	2	4	3 1/2	2.75

AUDIO TRANSFORMERS—P. P. Plates to P. P. Class "A" Grids

Type No.	From	Ratio	Figure	H.	D.	W.	Mounting Centers	List Price
KA-23	20,000 ohms	1 : 1 1/2	1	2 1/2	2	4	3 1/2	\$2.75

AUDIO TRANSFORMERS—Philco Type

Type No.	Ratio	Use	H.	D.	W.	Type Mounting	Mounting Dimensions	List Price
R-56	1 : 3	P to G	2 3/8	2 1/8	2 7/8	F	2 3/8	\$2.50
R-57	1 : 3	P to PPG	2 3/8	2 1/8	2 7/8	F	2 3/8	2.50
R-58	1 : 4	P to G	3 1/8	2 3/8	2 3/8	G	2x2	3.25
R-59	1 : 4	P to PPG	3 1/8	2 3/8	2 3/8	G	2x2	3.25

DRIVER TRANSFORMERS

Type No.	Drivers	Output Tubes	Figure	H.	D.	W.	Mtg. Centers	List Price
KR-19	Single 30, 27, 37, 56, 76, 6C5.....	P.P. 19, 53, 6N7, 6A6.....	1	1 3/8	1 3/8	2 3/8	2	\$1.30
KR-45	Single 27, 37, 56, 76, 6C5, 53, 6A6, 6N7.....	P.P. 45's, 2A3's, 2A5's, 42's, 6F6's, 6V6's, 6L6's, 53, 6N7, 6A6.....	1	2	1 3/8	3 3/8	2 3/4	1.80
R-251	Single 46, 2A5, 42, 6F6, 45.....	P.P. 46's, 45's, 2A3's, 2A5's, 42's, 6F6's, 6V6's, 6L6's.....	1	2	1 3/8	3 3/8	2 3/4	1.80
KR-46	Single 46, 2A5, 42, 6F6, 45.....	P.P. 46's, 45's, 2A3's, 2A5's, 42's, 6F6's, 6V6's, 6L6's.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-49	Single 49.....	P.P. 49's.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-53	Single 53.....	P.P. 53.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-59	Single 59.....	P.P. 59.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-79	Single 79.....	P.P. 79.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00

OUTPUT TRANSFORMERS

Type No.	Primary	Secondary	Figure	H.	D.	W.	Mtg. Centers	List Price
R-300	Single 38.....	Voice Coil.....	1	1 3/8	1 3/8	2 3/8	2	\$1.00
KO-381	Single 38.....	Voice Coil.....	1	2	1 3/8	3 3/8	2 3/4	1.40
R-301	Single 48.....	Voice Coil.....	1	1 3/8	1 3/8	2 3/8	2	1.00
R-303	Single 45, 12A5, 31, 43, 50, 53, 71A, 6V6.....	Voice Coil.....	1	1 3/8	1 3/8	2 3/8	2	1.00
KO-451	Single 45, 12A5, 31, 43, 50, 53, 71A, 6V6.....	Voice Coil.....	1	2	1 3/8	3 3/8	2 3/4	1.50
R-305	Single 2A5, 33, 41, 42, 47, 79, 89, 6F6.....	Voice Coil.....	1	1 3/8	1 3/8	2 3/8	2	1.00
KO-471	Single 2A5, 33, 41, 42, 47, 79, 89, 6F6.....	Voice Coil.....	1	2	1 3/8	3 3/8	2 3/4	1.40
KPO	Single 30, 27, 37, 56, 76, 6C5.....	200/500 ohms.....	1	2	1 3/8	3 3/8	2 3/4	1.70
KPM	Single 30, 27, 37, 56, 76, 6C5.....	Magnetic Speaker.....	1	2	1 3/8	3 3/8	2 3/4	1.50
R-302	P.P. 38, 10, 12A, 26.....	Voice Coil.....	1	1 3/8	1 3/8	2 3/8	2	1.00
KO-382	P.P. 38, 10, 12A, 26.....	Voice Coil.....	1	2	1 3/8	3 3/8	2 3/4	1.50
R-304	P.P. 45, 19, 31, 43, 53, 71A, 6A6, 6N7, 6V6.....	Voice Coil.....	1	1 3/8	1 3/8	2 3/8	2	1.00
KO-452	P.P. 45, 19, 31, 43, 53, 71A, 6A6, 6N7, 6V6.....	Voice Coil.....	1	2	1 3/8	3 3/8	2 3/4	1.40
R-306	P.P. 2A5, 33, 41, 42, 47, 79, 89, 6F6.....	Voice Coil.....	1	1 3/8	1 3/8	2 3/8	2	1.00
KO-472	P.P. 2A5, 33, 41, 42, 47, 79, 89, 6F6.....	Voice Coil.....	1	2	1 3/8	3 3/8	2 3/4	1.70
R-307	P.P. 48.....	Voice Coil.....	1	1 3/8	1 3/8	2 3/8	2	1.00
KO-482	P.P. 48.....	Voice Coil.....	1	2	1 3/8	3 3/8	2 3/4	1.50
KPPM	P.P. 30, 27, 37, 56, 76, 6C5.....	Magnetic Speaker.....	1	2	1 3/8	3 3/8	2 3/4	1.50
KA-32	P.P. 2A3, 6L6.....	4/8 ohms.....	1	2 1/2	2	4	3 1/2	2.00
R-309	P.P. 6L6.....	Voice Coil.....	1	2	1 3/8	3 3/8	2 3/4	1.50
R-310	Universal output—any single or P.P. plates.....	Any Voice Coil.....	1	1 3/8	1 3/8	2 3/8	2 3/8	1.50
R-308	Universal output—any single or P.P. plates.....	.1 to 29 ohms.....	2	2 1/4	1 3/8	2 3/8	2 3/8	1.75
KUO	Same as R-308—Universal mounting.....	One or more Magnetic Speakers.....	3		Universal Mounting	Universal Mounting	1.75	1.75
KUMO	Universal output—any single or P.P. plates.....	4/8 ohms.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-492	P.P. 49.....	4/8 ohms.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-532	P.P. 53.....	4/8 ohms.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-592	P.P. 59.....	4/8 ohms.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-792	P.P. 79.....	4/8 ohms.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-892	P.P. 89.....	4/8 ohms.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-46M	P.P. 46.....	4,000 ohms.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-49M	P.P. 49.....	5,000 ohms.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-53M	P.P. 53.....	4,000 ohms.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-59M	P.P. 59.....	4,000 ohms.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-79M	P.P. 79.....	4,000 ohms.....	1	2 1/4	1 3/8	3 3/8	3 3/8	2.00
KR-19M	P.P. 19.....	Headphones.....	1	1 3/8	1 3/8	2 3/8	2	1.30

KENYON



*The Mark of Quality
on Radio Transformers*

• **GUARANTY** •

All Kenyon Transformers are guaranteed against defects in materials and workmanship for a period of ninety days from the time of sale. Inoperative transformers should be returned pre-paid to our factory, where they will be inspected and, if found defective from the above mentioned causes, will be replaced without charge.

Distributed by

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