

KS-14792, L5 LINE MATCHING TRANSFORMER

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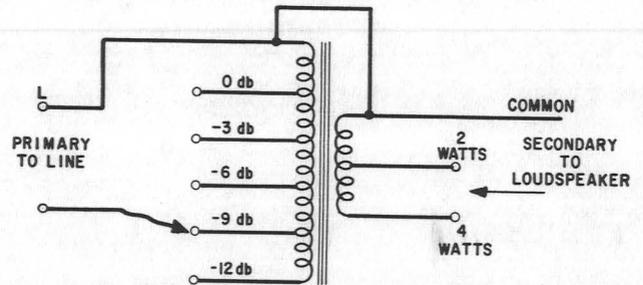


Fig. 2

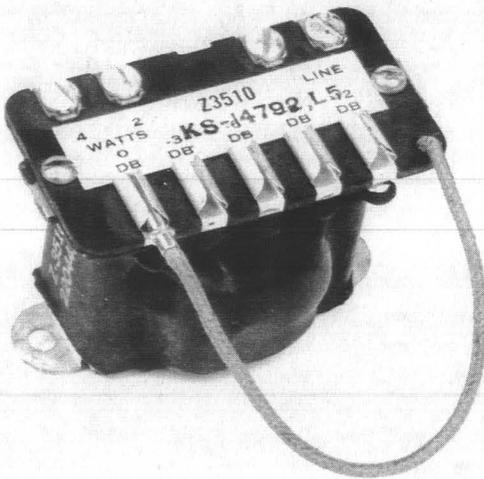


Fig. 1

TABLE 1

PRIMARY AND SECONDARY CONNECTIONS

POWER (watts)	IMPEDANCE (ohms)	PRIMARY TAP	SECONDARY TAP
4	1,250	0 db	4 watts
2	2,500	-3 db	4 watts
1	5,000	-6 db	4 watts
1/2	10,000	-9 db	4 watts
1/4	20,000	-12 db	4 watts
1/8	40,000	-12 db	2 watts

1. GENERAL

1.01 The KS-14792, L5 Line Matching Transformer is designed to couple a loudspeaker to a 70-volt distribution line. It has a strap type case and a terminal board with solderless adjustable taps. The transformer is designed primarily for use with an 8-ohm speaker.

2. ELECTRICAL CHARACTERISTICS

Maximum Power	4 watts
Frequency Response (±1 db)	70 — 7000 cps
Insertion Loss	1 db at 400 cps 2 db at 70 and 7000 cps

2.01 As an example of the application of this transformer, assume that an 8-ohm loudspeaker is to be connected to a 70-volt distribution system and is required to dissipate 1 watt of power. The loudspeaker should be connected to the secondary winding—common lead and 4-watt tap. The line would be connected to the 70-volt line terminal (L) and the flexible lead should be connected to the primary tap which is designated -6 db.

3. PHYSICAL CHARACTERISTICS

Dimensions:	2-13/16" wide, 1-7/8" deep, 2-1/8" high (over terminal strip)
Weight:	3/4 lb.
Mounting Centers:	2-3/8"
Finish:	Black Biwax coating over windings and core