

## KS-14417 AUTOTRANSFORMER

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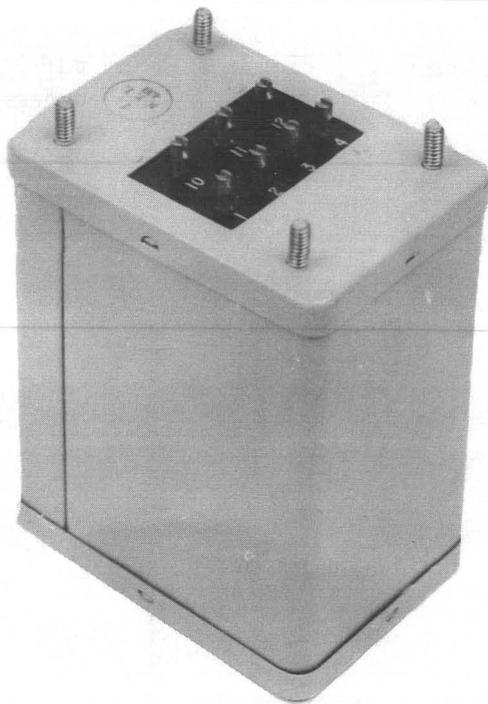


Fig. 1

### 1. GENERAL

1.01 The KS-14417 Autotransformer is designed to couple a loudspeaker to a 70-volt distribution line. It has a potted type case.

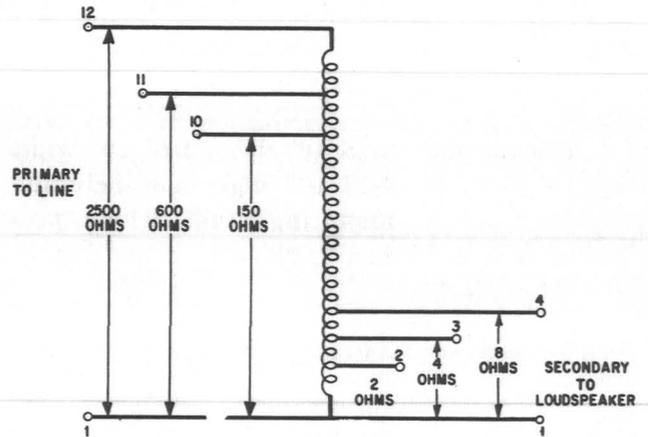


Fig. 2

2.01 When the transformer is used to match impedances the connections should be made as indicated in the schematic diagram, Fig. 2. Where a 70-volt distribution system is employed, the line and loudspeaker should be connected so that the proper amount of power will be dissipated in the loudspeaker. The proper connections are indicated in the "Power" column of Table 1.

2.02 As an example of the use of Table 1, assume that a 16-ohm loudspeaker is to be arranged for the dissipation of 4 watts of power. The loudspeaker would be connected to terminals 1 and 4. The line would be connected to terminals 1 and 11.

**TABLE I**  
**CONNECTIONS**

POWER (watts)	PRIM. IMP. (ohms)	CONN. LINE TO:	CONNECT LOUDSPEAKER TO:		
			4 OHM	8 OHM	16 OHM
32	150	1-10	1-3	1-4	—
16	300	1-10	1-2	1-3	1-4
8	600	1-11	1-3	1-4	—
8	600	1-10	—	—	1-3
4	1,200	1-11	1-2	1-3	1-4
2	2,500	1-12	1-3	1-4	—
2	2,400	1-11	—	—	1-3
1	5,000	1-12	1-2	1-3	1-4
1/2	10,000	1-12	—	1-2	1-3

**3. PHYSICAL CHARACTERISTICS**

Dimensions: 2-13/16" deep, 3-13/16" wide,  
4-15/16" high, not including  
mounting studs which pro-  
ject 7/16".

Weight: 5-1/2 lbs.

Mounting: Four—7/16" by #10-24 studs  
spaced at the corners of a  
2-3/4" by 2" rectangle

Finish: Gray Lacquer