

117K8

25 V LINE AUDIO TRANSFORMER

- Couple 8ohm speakers to 25volt line outputs of amplifiers.
- Up to 5 power tap levels available
- Primary taps marked in watts (no calculation necessary), to match speaker power.
- Frequency response 100Hz. to 10Khz. (± 2 db. reference @1 KHz.)
- Distortion is less than 1.5% @ 100 Hz. at maximum power.
- All models have solder lugs, also suitable for slip on jumper connections.
- Total power requirements of speakers should not exceed the rated power of each transformer or rated power of the amplifier.

ELECTRICAL SPECIFICATIONS

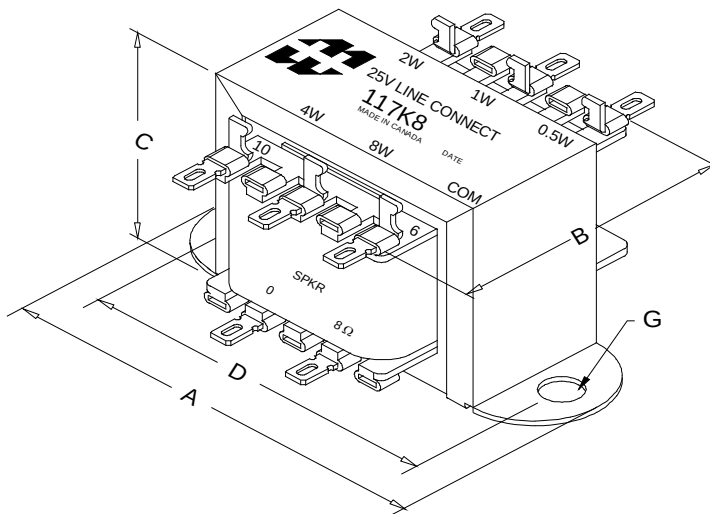
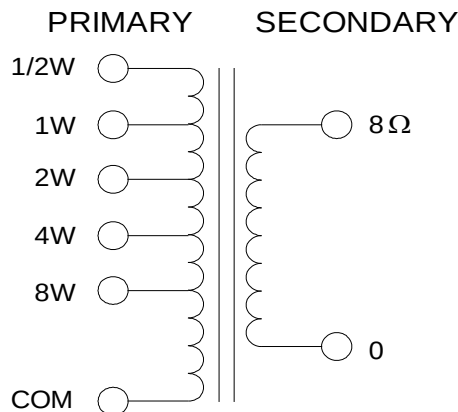
Characteristics	Typical
System Voltage	25V
Power Rating	8 Watts
Insertion Loss	<2dB
DCR	
COM - $\frac{1}{2}$ W	19.2 Ω TYP
Input	0.29 Ω TYP
INDUCTANCE/IMPEDANCE	
@1.0 KHz, 1V OC	
COM - $\frac{1}{2}$ W	570mH / 3.39K Ω
COM-1W	312mH / 1.83K Ω
COM-2W	176mH / 1.0K Ω
COM-4W	100mH / 550 Ω
COM-8W	56.6mH / 302.5 Ω
Input	7.08mH / 35.6 Ω
LEAKAGE INDUCTANCE	
@1.0 KHz, 1V SC	
$\frac{1}{2}$ W/ 8W	26.6mH / 8.56mH
Dielectric Strength	250VRMS
Temperature Range	-40 To 105°C

TEST CONDITIONS:

Measurement instruments:
 Hp4192a impedance analyzer Keithley 2002 DVM
 D scope series iii audio analyzer Hp3456a DVM

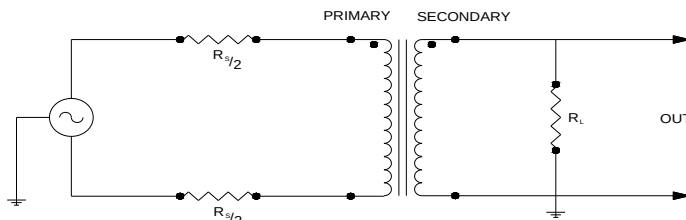
* All graphs input level 27dBm.

**The results are typical and are subject to normal manufacturing and electrical tolerances.

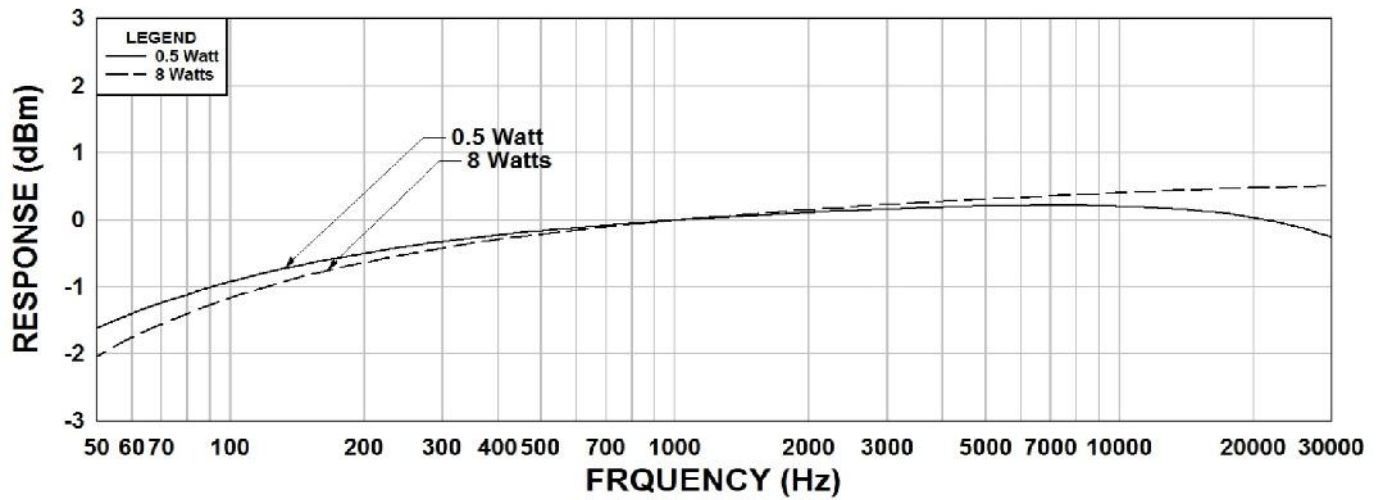


Dimensions			
A	3.250" ± 0.063	D	2.813" ± 0.063
B	2.239" ± 0.125	G	0.187" ± 0.015
C	1.995" ± 0.063		

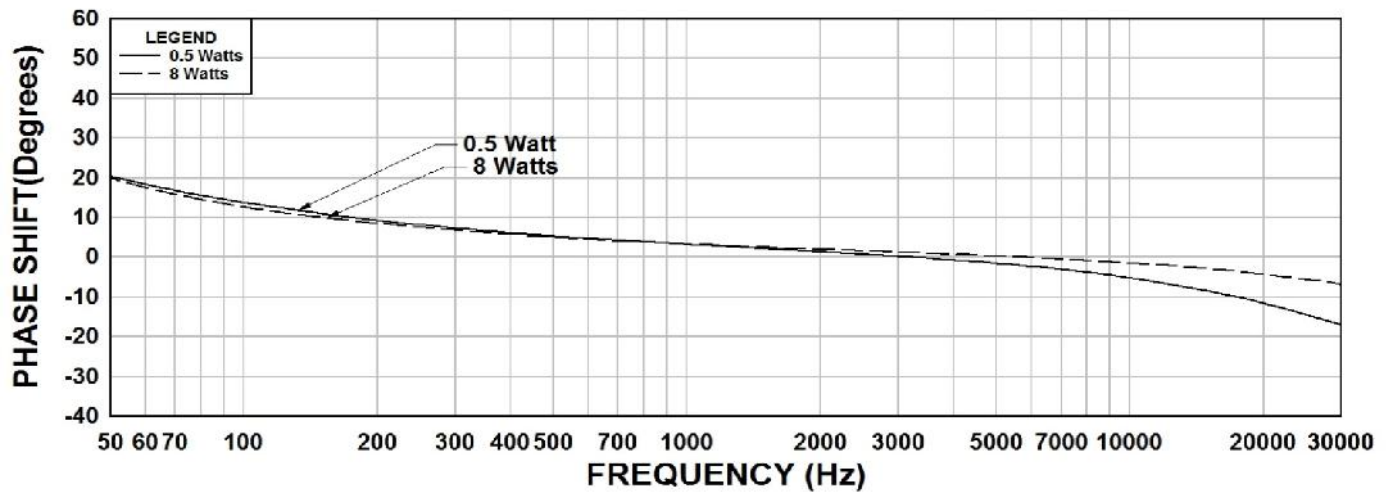
TYPICAL TEST CIRCUIT



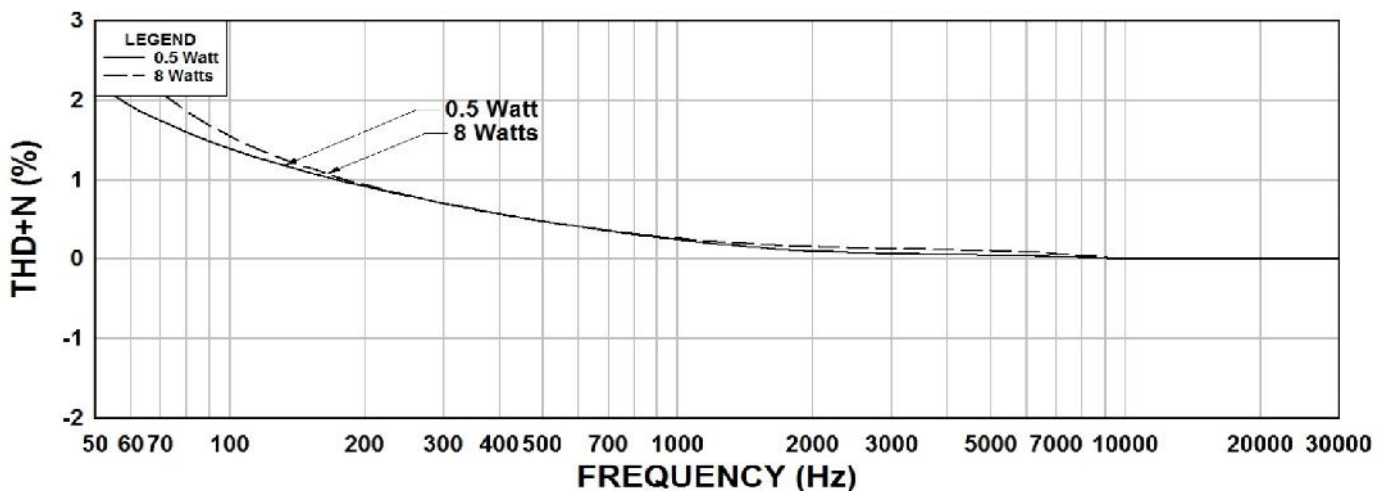
117K8 Frequency Response 0.5W & 8W



117K8 Phase Shift 0.5W & 8W



117K8 THD+N 0.5W & 8W



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