



**HAMMOND
MANUFACTURING®**

Hammond Mfg. Co. Ltd., Electronics Division

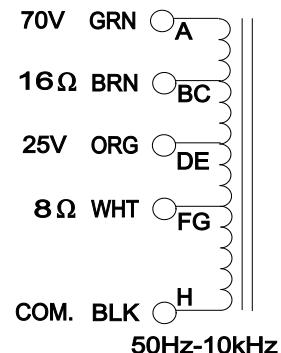
www.hammondmfg.com

119Y60

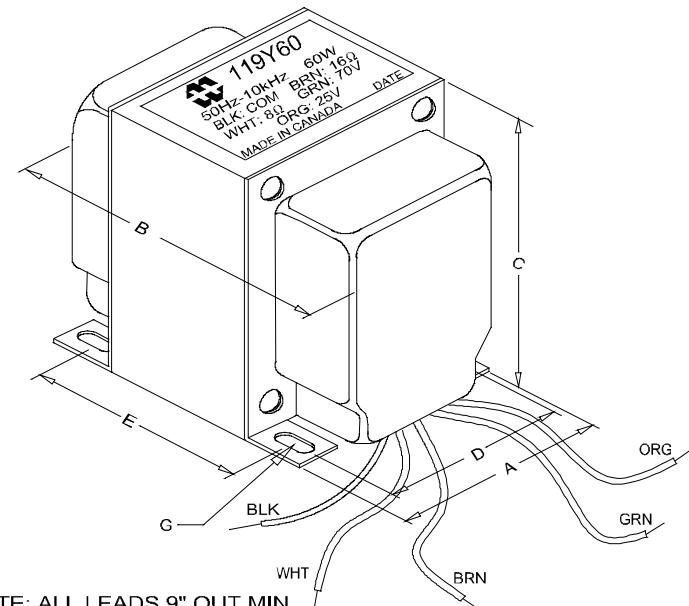
AUDIO DISTRIBUTION LINE MATCHING TRANSFORMER

- Suitable for driving from solid state amplifiers where isolated windings are not required or can be used with our "Classic" 1600 tube output transformers to provide a 25V or 70V line output.
- Leads 9" long minimum
- Can be reversed for operation at high power speaker locations.
- Frequency response 50Hz - 10KHz (0/-1.5dB reference @ 1KHz)
- Distortion is less than 1% @ 50Hz

SCHEMATIC DIAGRAM:



ELECTRICAL SPECIFICATIONS	
Characteristics	Typical
Input Voltage	25V & 70V
Output Impedance	8 & 16 Ohms
Output Power	60 W
DCR	
Black-White(8Ω)	0.516 Ohm
Black-Orange(25V)	0.584 Ohm
Black-Brown(16Ω)	0.740 Ohm
Black-Green(70V)	2.300 Ohms
Inductance	Impedance
@ 60 Hz, 10 V OC	
Black-Green(70V)	2.52H 1.02KOhm
SC BRN, ORG & WHT	
Leakage Inductance	
@ 60 Hz, 10 V SC	
Black-Green(70V)	2.20mH
SC BRN, ORG & WHT	
Dielectric Strength	1500VRMS
Temperature Range	-40 to 105 degC



NOTE: ALL LEADS 9" OUT MIN.

Dimensions		
A 2.500" ±0.063	C 3.100" MAX	E 2.188" ±0.063
B 3.185" ±0.125	D 2.000" ±0.063	G .203X.375±0.015

TEST CONDITIONS

Measurement Instruments:

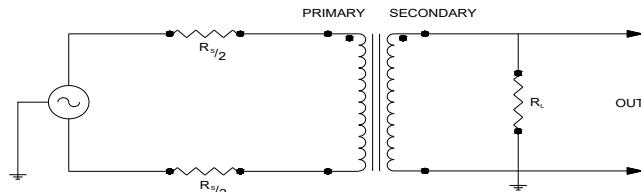
D scope series iii audio analyzer
Wayne Kerr 3255B with a 3265B

Keithley 2010 DVM
HP4192a impedance analyzer

* All graphs input level 27dBu @1.0KHz reference.

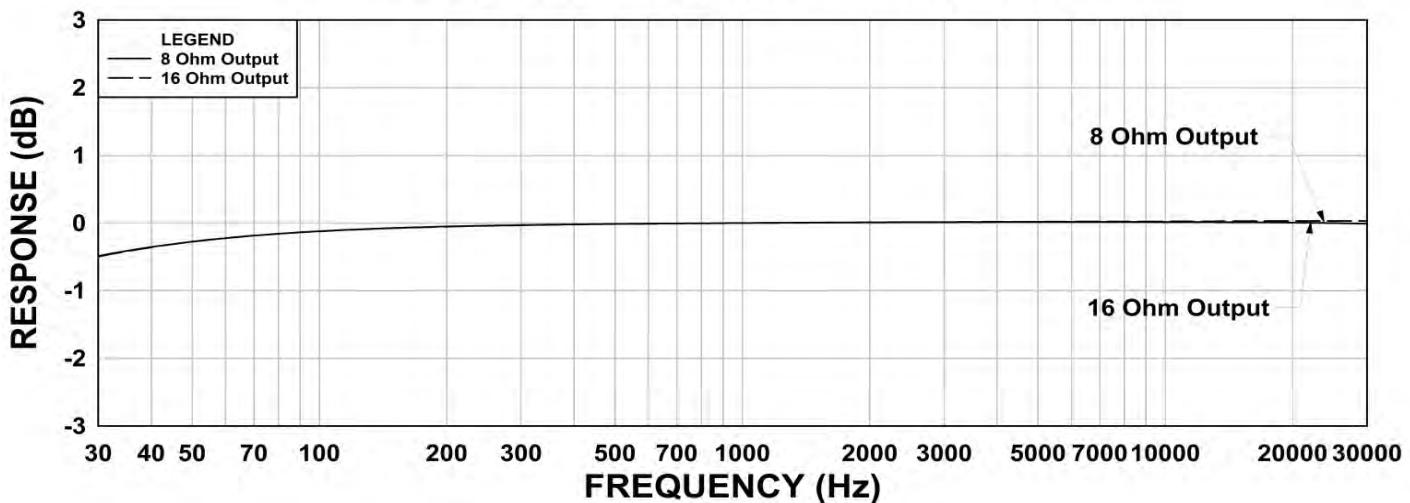
**The results are typical and are subject to normal manufacturing and electrical tolerances.

TYPICAL TEST CIRCUIT

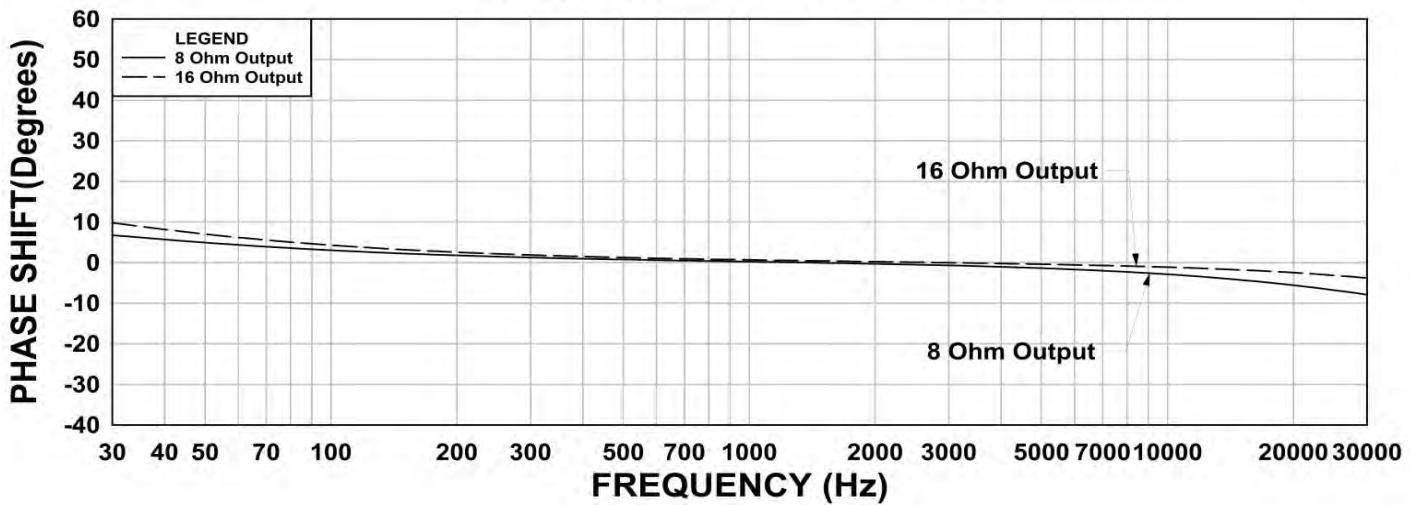


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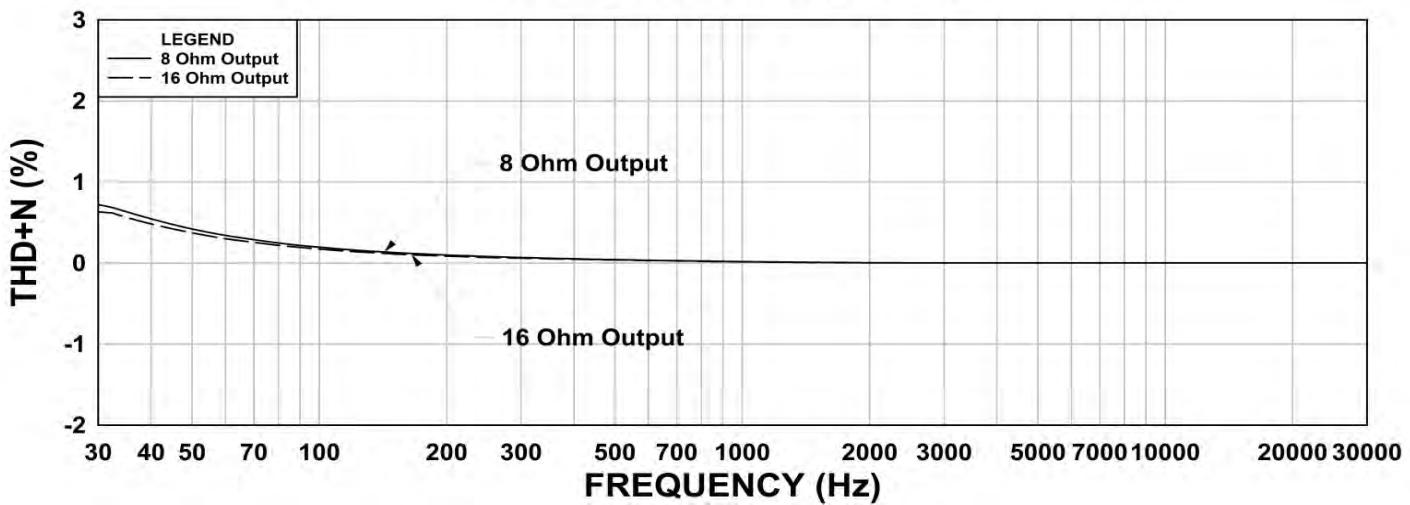
119Y60 Frequency Response 25V Input



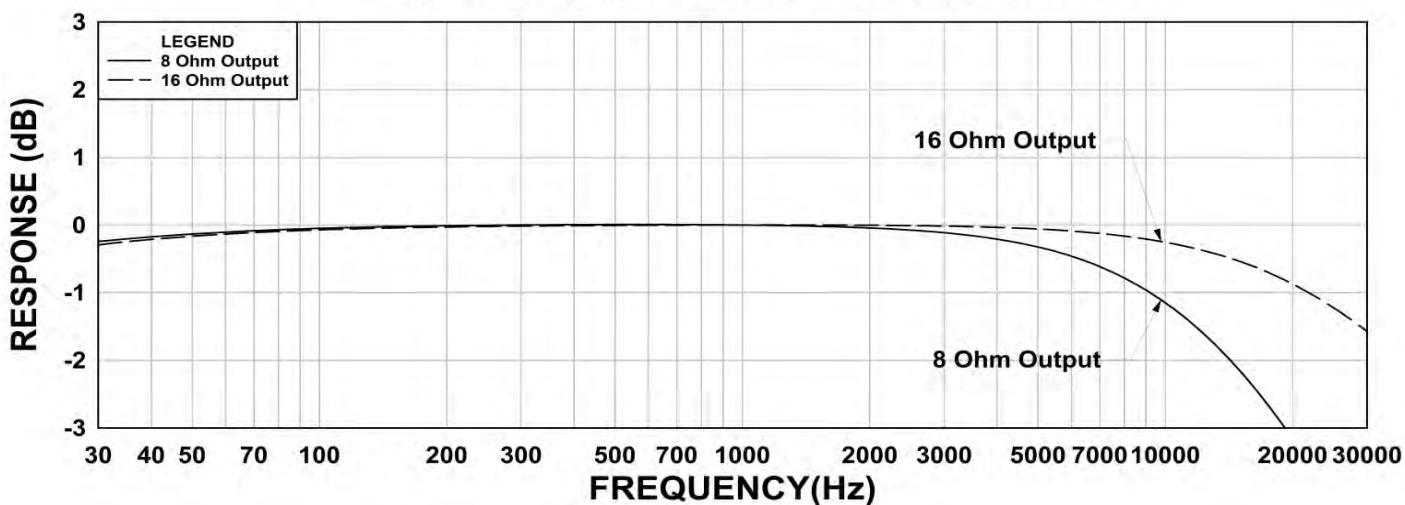
119Y60 Phase Shift 25V Input



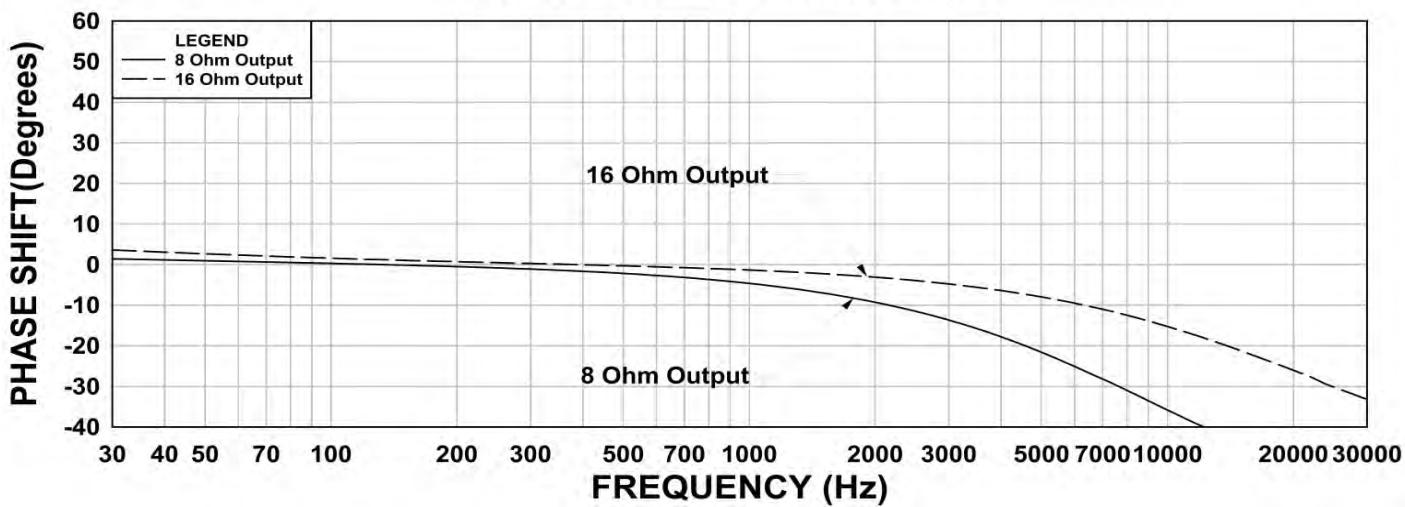
119Y60 THD+N 25V Input



119Y60 Frequency Response 70V Input



119Y60 Phase Shift 70V Input



119Y60 THD+N 70V Input

