

# 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

## 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)		0.740Ohm	
Black-Green(70V)		2.300Ohms	
Inductance	Impedance	@ 60 Hz, 10 V OC	
Black-Green(70V) SC BRN, ORG & WHT		2.52H	1.02KOhm
Leakage Inductance		@ 60 Hz, 10 V SC	
Black-Green(70V) SC BRN, ORG & WHT		2.20mH	
Dielectric Strength		1500VRMS	
Temperature Range		-40 to 105 degC	

## TEST CONDITIONS

Measurement instruments:

D scope series iii audio analyzer

Wayne Kerr 3255B with a 3265B

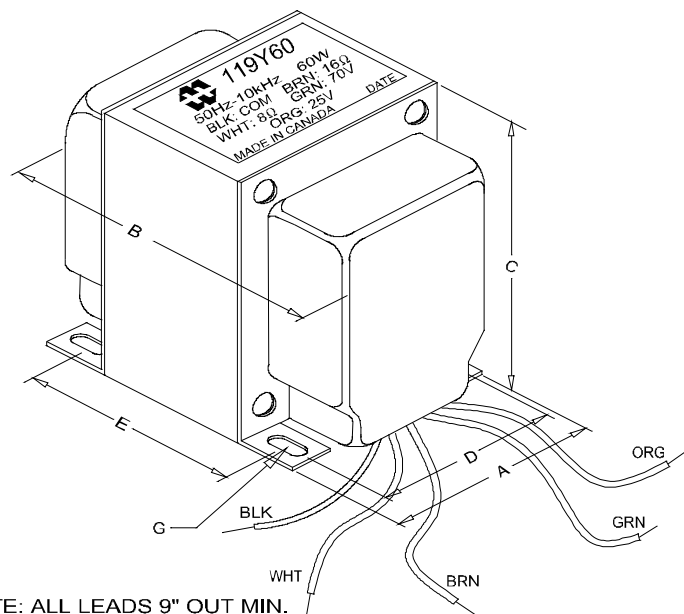
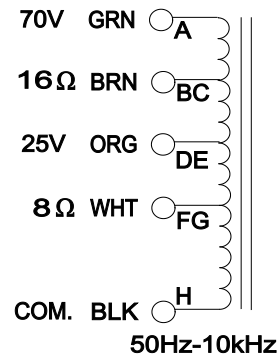
Keithley 2010 DVM

Hp4192a impedance analyzer

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

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

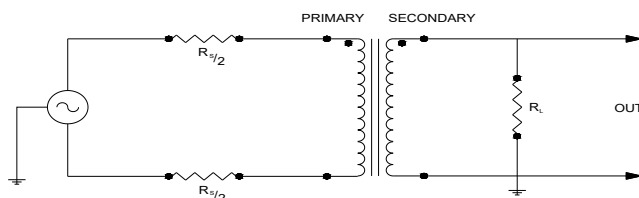
## SCHEMATIC DIAGRAM:



NOTE: ALL LEADS 9" OUT MIN.

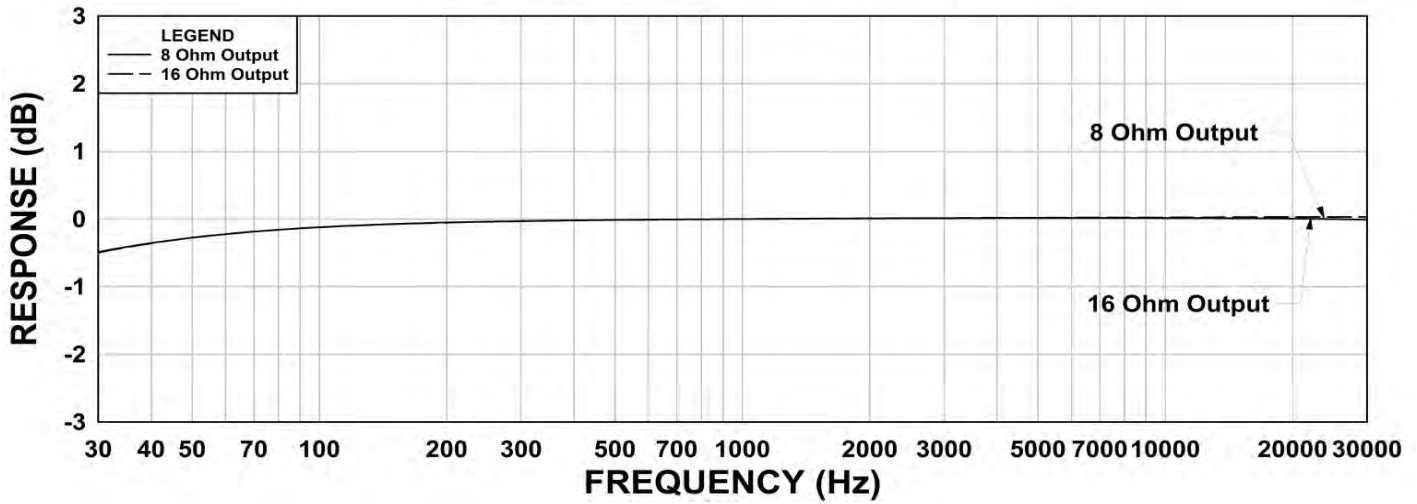
Dimensions					
A	2.500" ±0.063	C	3.100" MAX	E	2.188" ±0.063
B	3.185" ±0.125	D	2.000" ±0.063	G	.203X.375±0.015

## TYPICAL TEST CIRCUIT

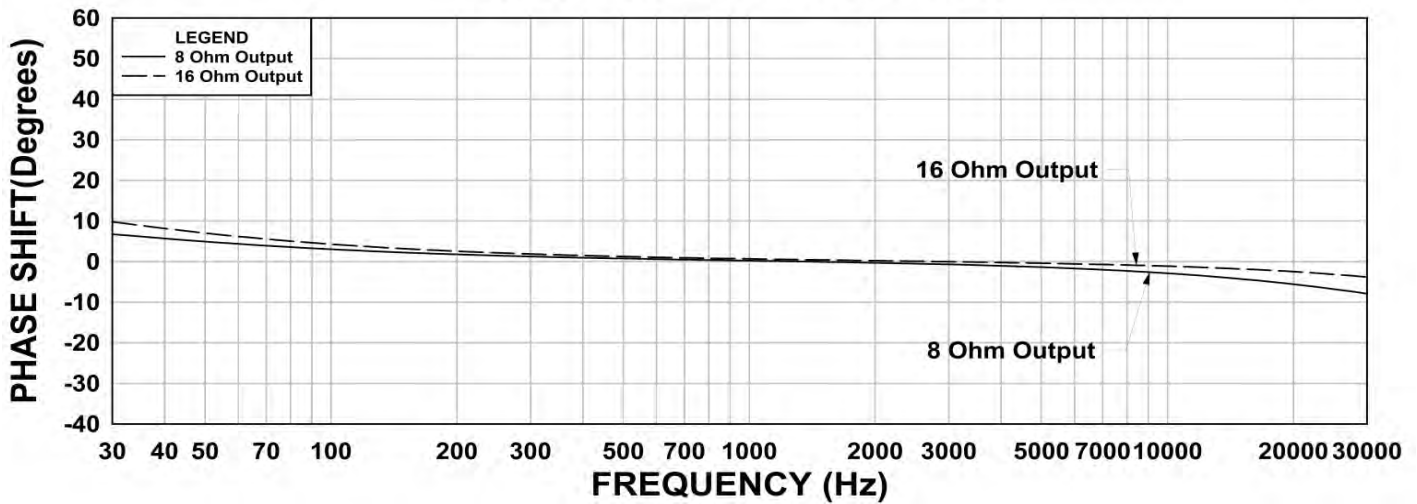


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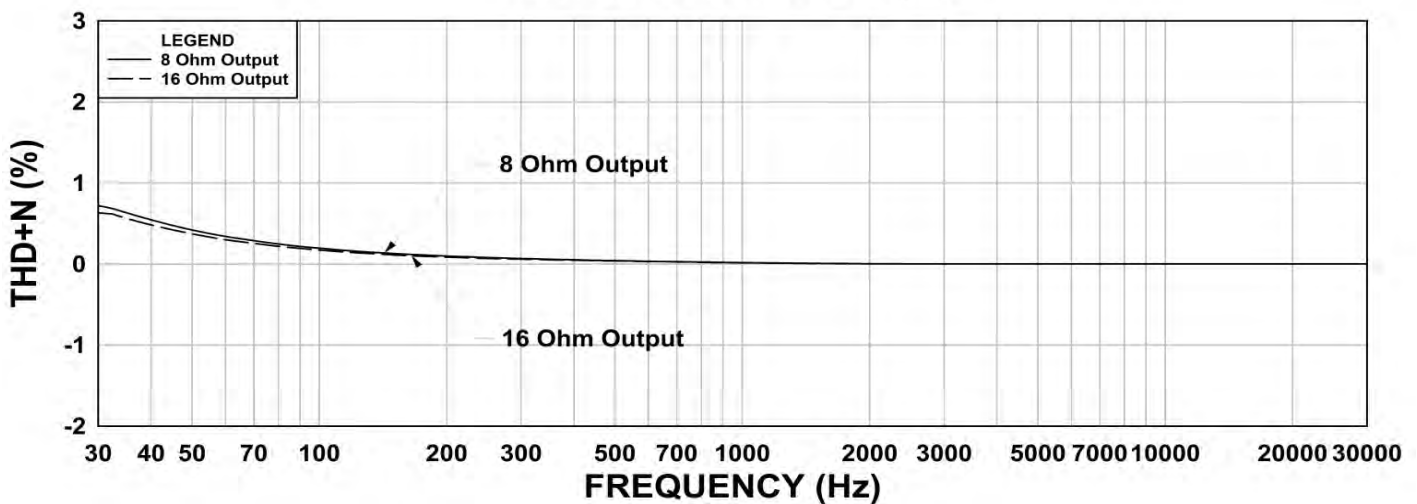
119Y60 Frequency Response 25V Input



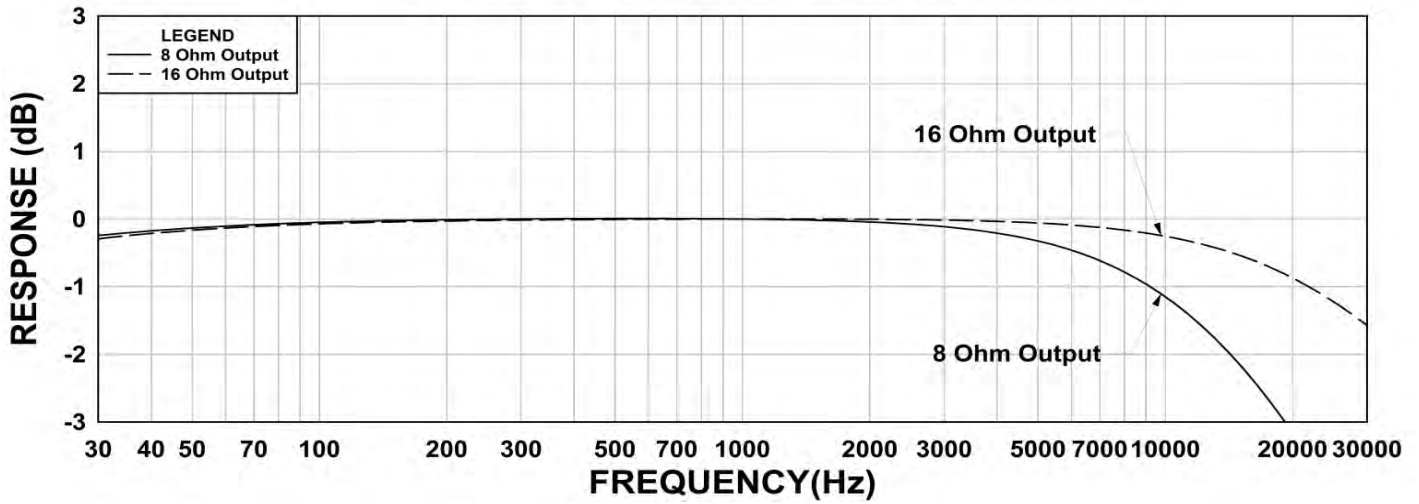
119Y60 Phase Shift 25V Input



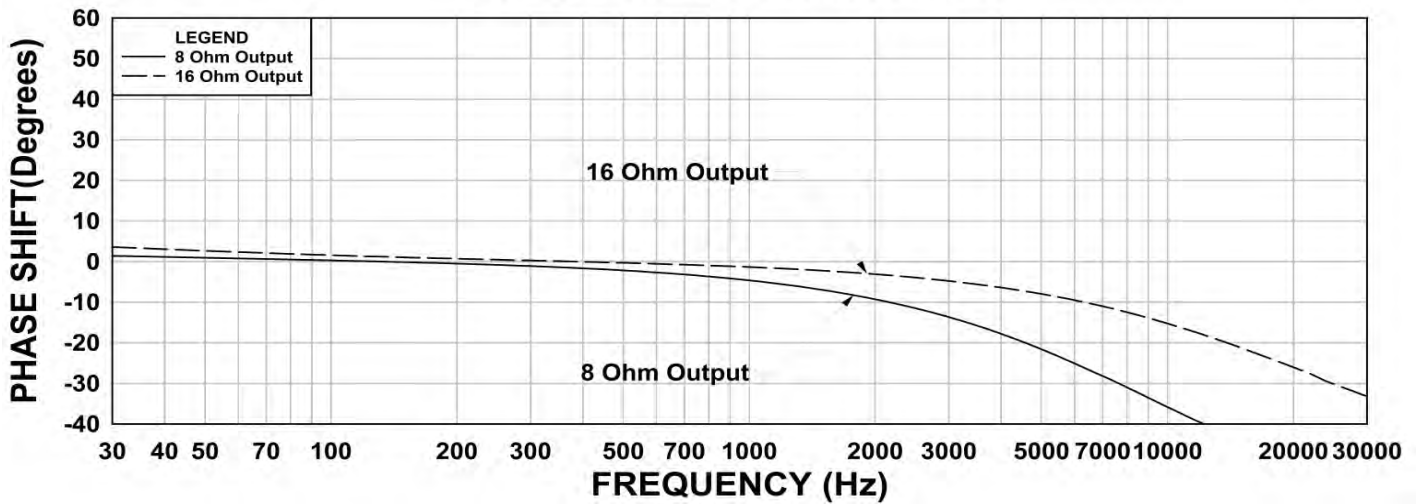
119Y60 THD+N 25V Input



119Y60 Frequency Response 70V Input



119Y60 Phase Shift 70V Input



119Y60 THD+N 70V Input

