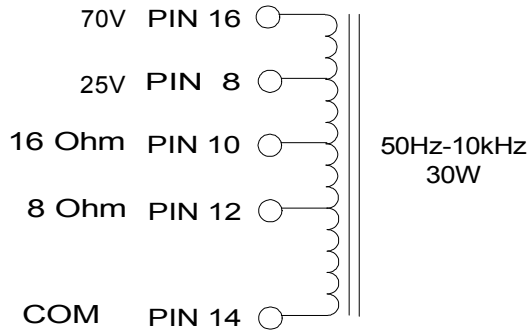


119Y30

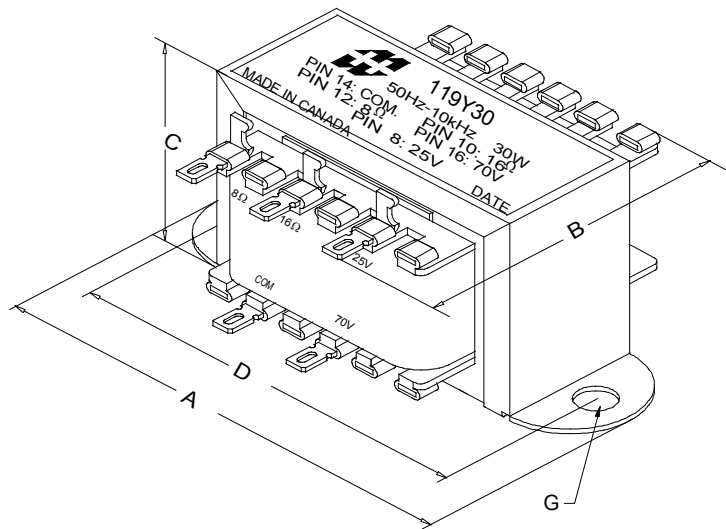
AUDIO DISTRIBUTION LINE MATCHING TRANSFORMER

- 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 6" long minimum
- Can be reversed for operation at high power speaker locations.
- Frequency response 50Hz - 10KHz (0/-1.0dB reference @ 1KHz)
- Distortion is less than 1% @ 50Hz



ELECTRICAL SPECIFICATIONS

Characteristics		Typical	
Input Voltage		25V & 70V	
Output Impedance		8 & 16 Ohms	
Output Power		30 W	
DCR			
COM - 8 Ohm		0.70 Ohm	
COM - 16 Ohm		1.02 Ohms	
COM - 25V		1.18 Ohms	
COM - 70V		3.80 Ohms	
Inductance	Impedance	@ 1.0 kHz, 1.0 V OC	
COM - 25V	155.34mH	831.5 Ohm	
COM - 70V	1.00H	5.70KOhm	
COM - 8 Ohm	64.40mH	336.7Ohm	
COM - 16 Ohm	87.10mH	649.4Ohm	
Leakage Inductance			
@ 1.0 kHz, 1.0 V SC			
COM - 25V		3.40uH	
COM - 70V		1.43mH	
Dielectric Strength		1500VRMS	
Temperature Range		-40 to 105 degC	



Dimensions		
A	4.000" ±0.063	C 2.620" ±0.063
B	2.475" ±0.125	D 3.563" ±0.063
		G 0.187" X 0.300" ±0.015

TEST CONDITIONS

Measurement instruments:

D scope series iii audio analyzer

Wayne Kerr 3255B with a 3265B

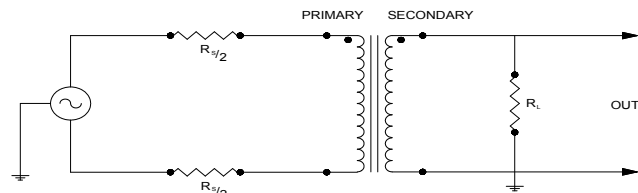
Keithley 2010 DVM

Hp4192a impedance analyzer

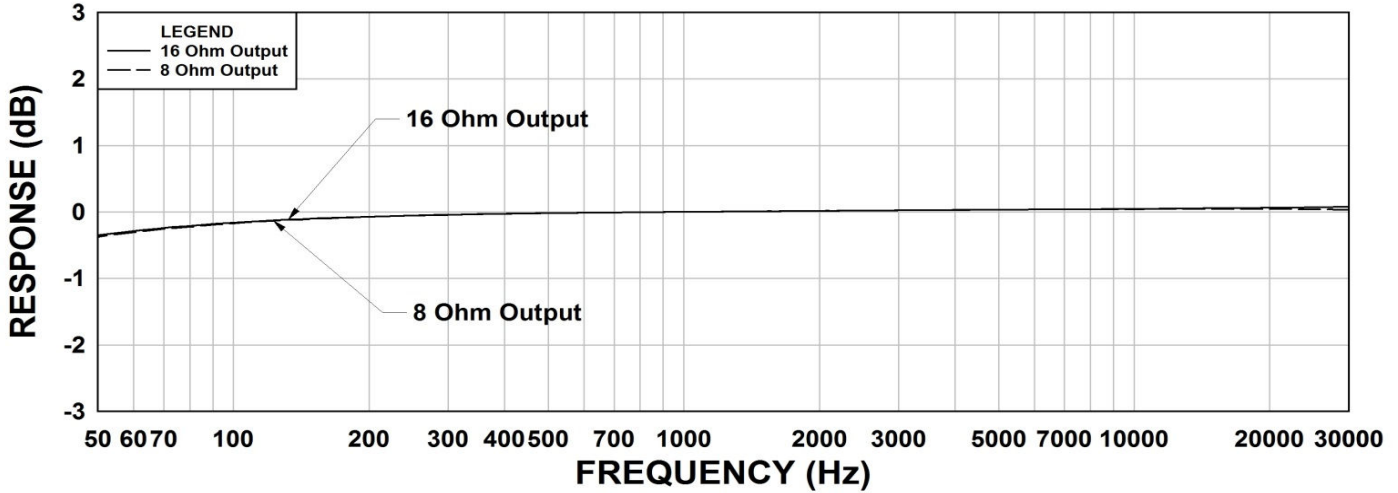
* All graphs input level 27dBu @1.0KHz reference.

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

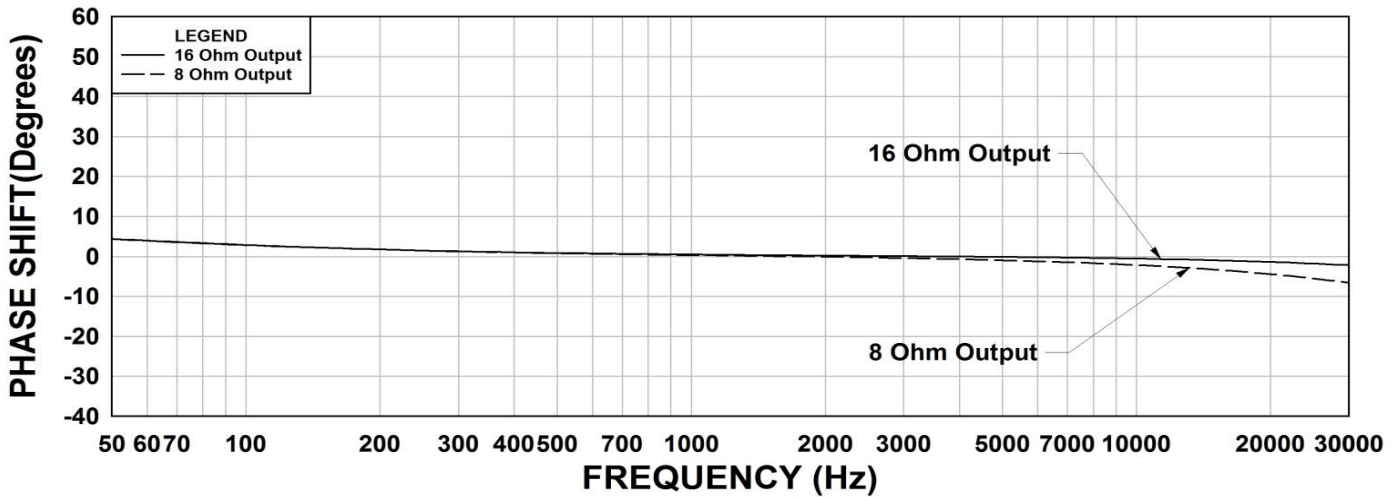
TYPICAL TEST CIRCUIT



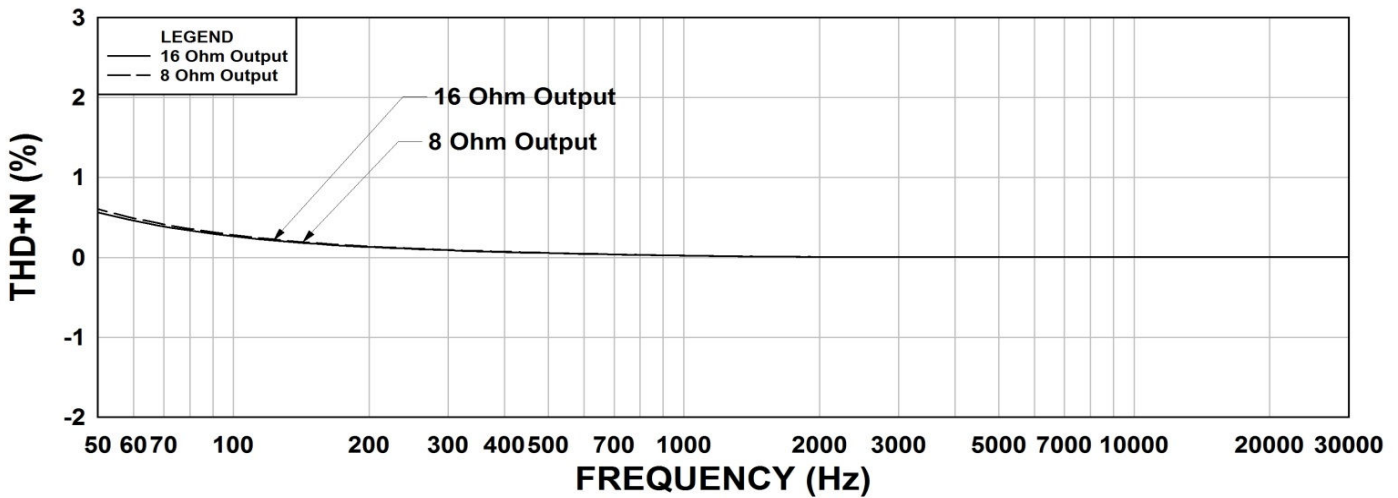
119Y30 Frequency Response 25V Input



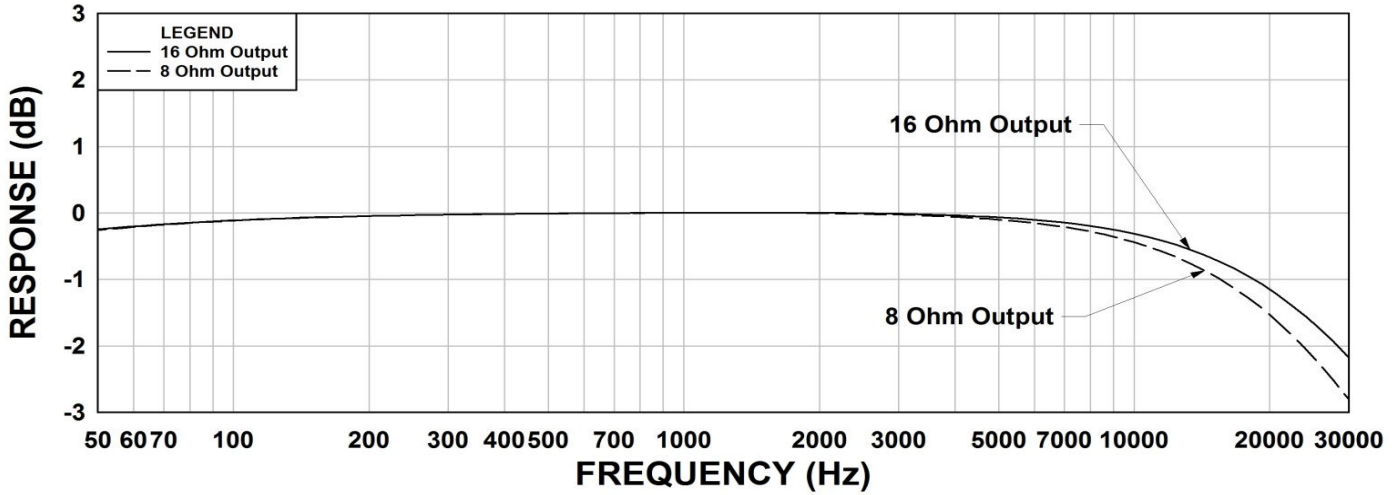
119Y30 Phase Shift 25V Input



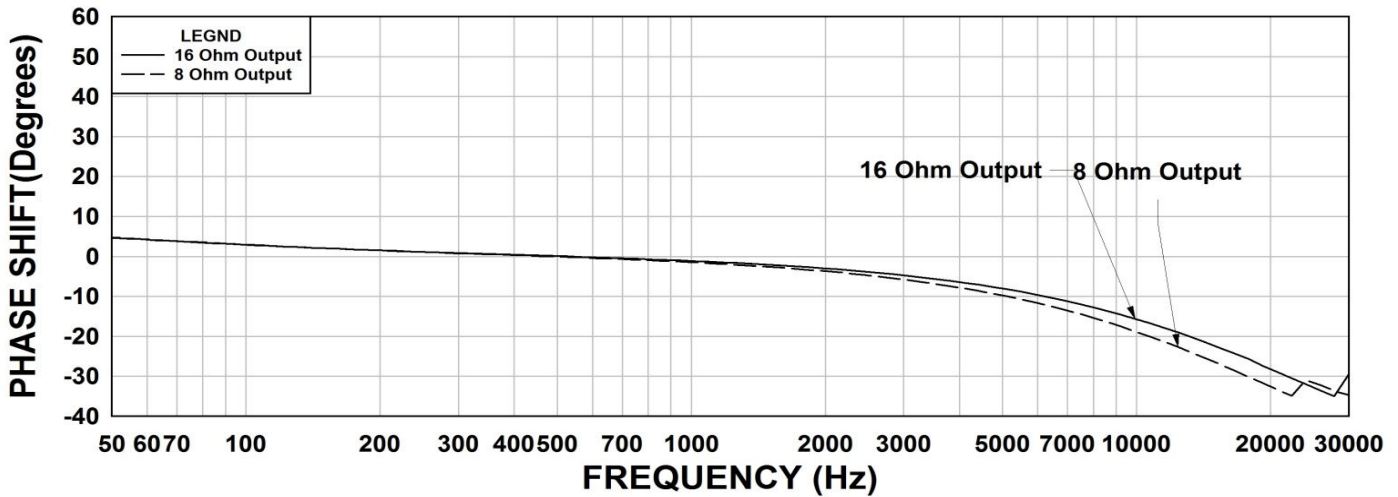
119Y30 THD+N 25V Input



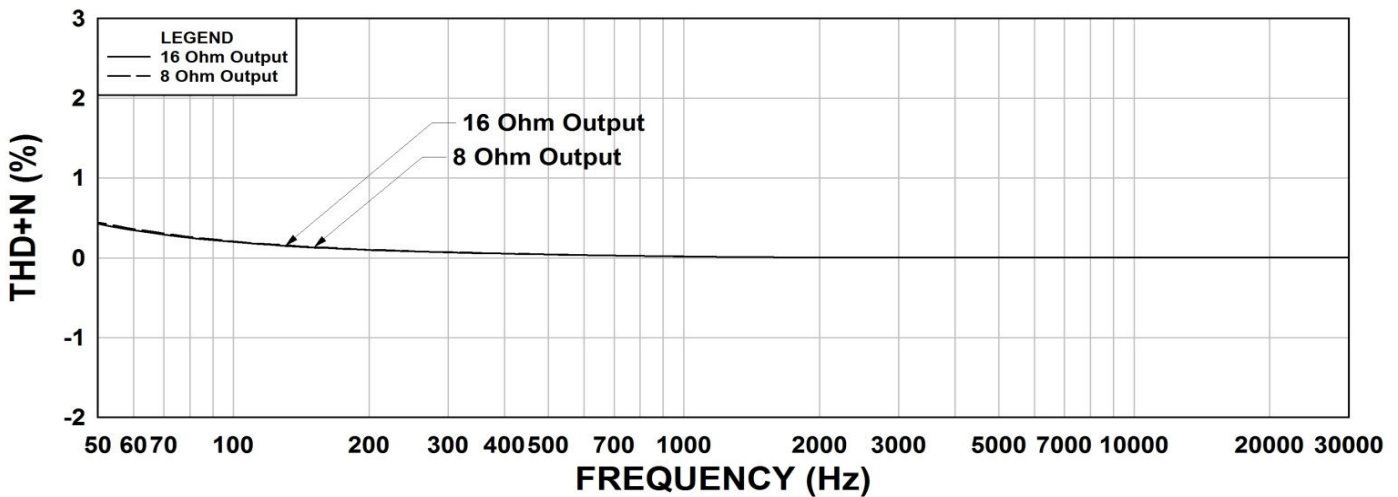
119Y30 Frequency Response 70V Input



119Y30 Phase Shift 70V Input



119Y30 THD+N 70V Input



This drawing and the information in it is the property of Hammond Manufacturing. It may not be reproduced, transmitted or used in any manner whatsoever without the written permission of Hammond Manufacturing. Data subject to change without notice.