

119DA

CLASSIC 600-Ohm Speaker Matching Transformer

- High quality, matching audio transformer for older equipment with 600 ohm audio output, driving modern low impedance speakers
- Compatible with legacy equipment manufactured by Collins Radio and Rockwell Collins.
- Can also be used for driving "classic" high impedance speakers used with newer equipment. Simply turn the 119DA around - swaping primary for secondary (ie...4 or 8 ohm input - with 600 ohms out).
- Manufactured with high quality 29M6 laminations for minimal distortion
- Concentric wound for excellent coupling
- Isolation type transformer
- Frequency response 30Hz - 20KHz (0/-2.0dB reference @ 1KHz)
- Distortion is less than 1% @ 30Hz

ELECTRICAL SPECIFICATIONS

Characteristics		Typical	
Input Impedance		600 Ohms	
Output Impedance		4 & 8 Ohms	
Output Power		12 W	
DCR			
Primary Black-Black		24.05 Ohms	
Secondary 0-4 Ohm		0.341 Ohm	
Secondary 0-8 Ohm		0.513 Ohm	
Inductance	Impedance	@ 1.0 kHz, 1.0 V OC	
Primary Black-Black	3.48H	19.98KOhm	
Secondary 0-4 Ohm	56.11mH	281.2 Ohm	
Secondary 0-8 Ohm	72.30mH	564.2 Ohm	
Leakage Inductance			
Primary Black-Black		@ 1.0 kHz, 1.0 V SC	
		20.26mH	
Dielectric Strength		500VRMS	
Temperature Range		-40 to 105 degC	

TEST CONDITIONS

Measurement instruments:

D scope series iii audio analyzer

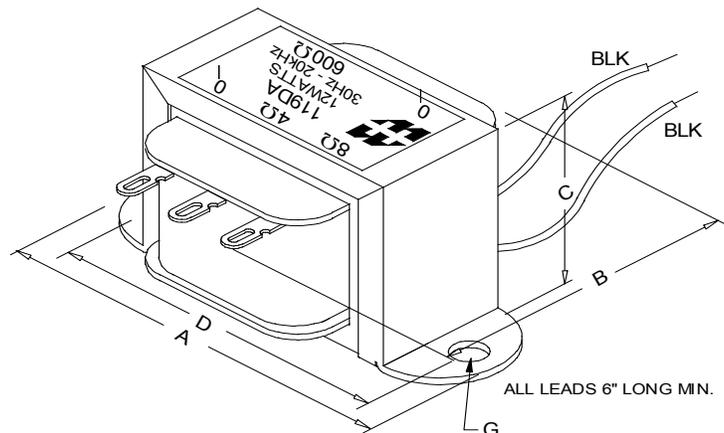
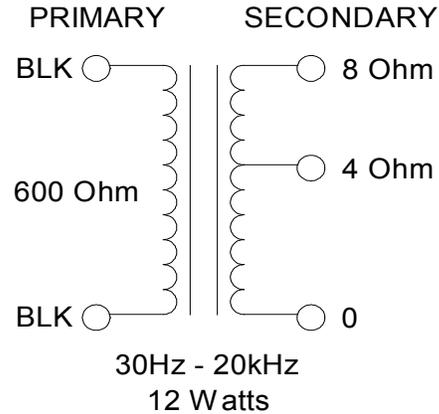
Wayne Kerr 3255B with a 3265B

Keithley 2010 DVM

Hp4192a impedance analyzer

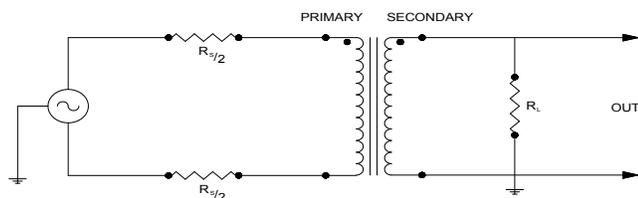
* All graphs input level 27dBu @1.0KHz reference.

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

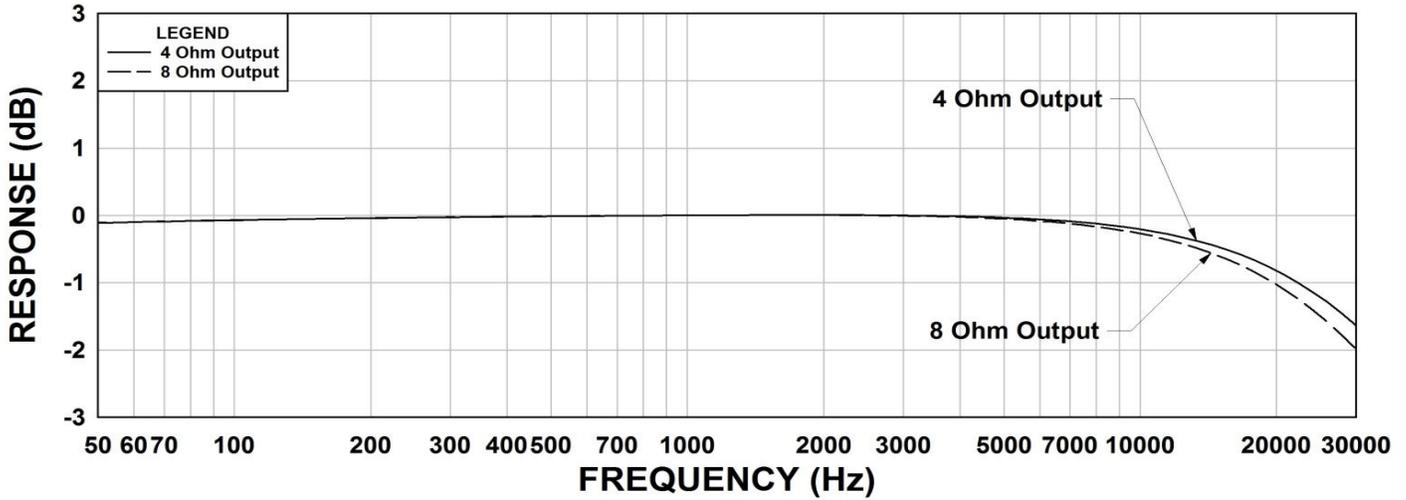


Dimensions

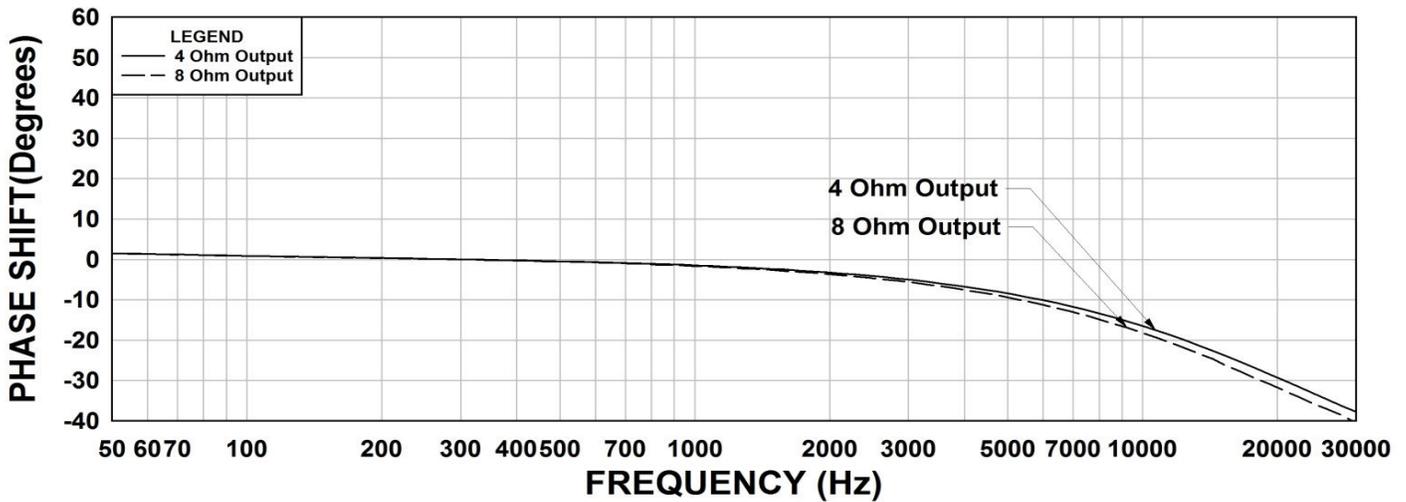
A	3.250" ±0.063	C	1.995" ±0.063	G	0.187" X 0.300"
B	2.350" ±0.125	D	2.813" ±0.063		±0.015



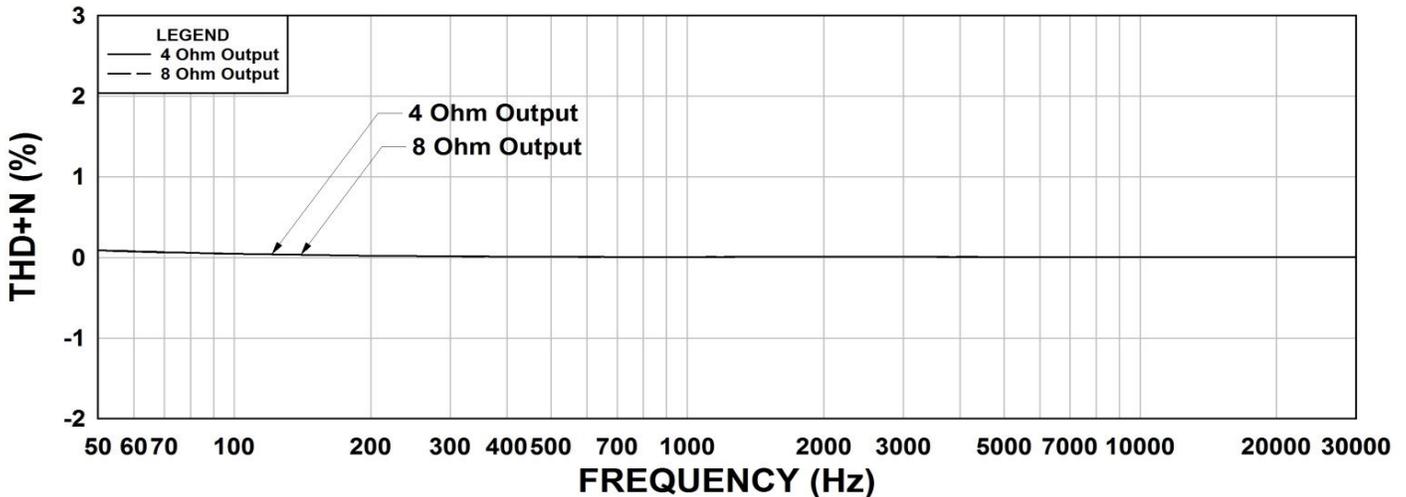
119DA Frequency Response RS = 600 Ohms



119DA Phase Shift RS = 600 Ohms



119DA THD+N RS = 600 Ohms



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