

1750ORF

TUBE GUITAR AMPLIFIER - OUTPUT TRANSFORMER

- Designed for drop in replacement of original units such as Orange¹ Rocker 30 (OT119SL)
- Constructed to look similar to original factory units (where possible).
- Material used & design specifications were kept as close as possible to the original part to preserve the stock "tone".
- Open style with minimum 12" long primary and secondary leads
- Frequency response 70Hz - 12KHz (0/-1dB reference @ 1KHz)
- Distortion is less than 1% @ 70Hz

ELECTRICAL SPECIFICATIONS

Characteristics		Typical	
Input Impedance		6600 Ohms	
Output Impedance		8 & 16 Ohms	
Output Power		35 W	
DCR			
Primary Black-White		68.39 Ohms	
Primary White-Yellow		72.23 Ohms	
Secondary Red-Black		0.602 Ohm	
Inductance	Impedance	@ 1.0 kHz, 1.0 V OC	
Primary Black-White		10.3H	65.5K Ohm
Primary White-Yellow		24.26mH	390.7 Ohm
Secondary Red-Black		54.02mH	798.6 Ohm
Leakage Inductance		@ 1.0 kHz, 1.0 V SC	
Primary Yellow-White		18.25 mH	
Dielectric Strength		2500VRMS	
Temperature Range		-40 to 105 degC	

TEST CONDITIONS

Measurement instruments:

D scope series iii audio analyzer

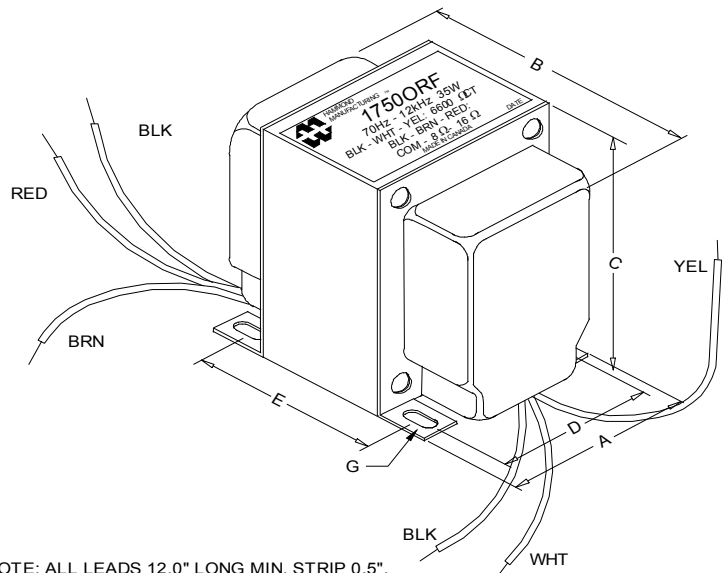
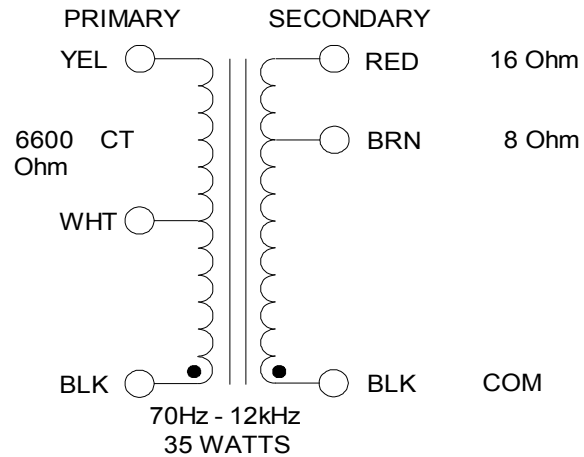
Wayne Kerr 3255B with a 3265B

Keithley 2010 DVM

Hp4192a impedance analyzer

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

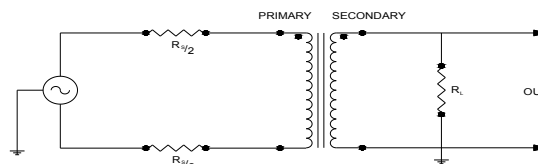
**The results are typical and are subject to normal manufacturing and electrical tolerances.

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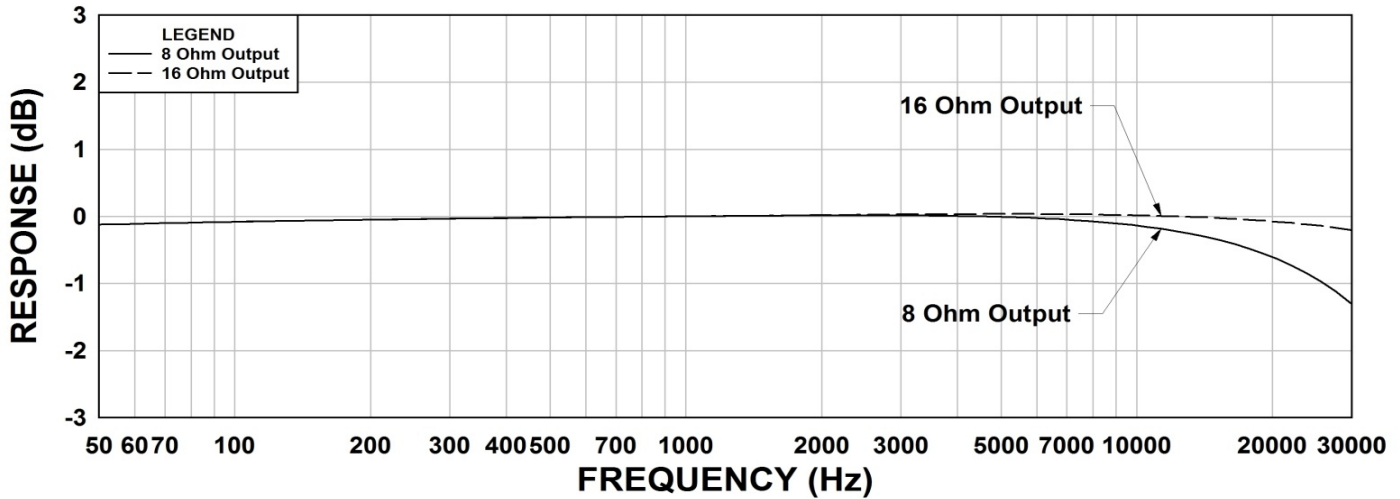
Dimensions

A	2.500" ±0.063	C	3.060" ±0.063	E	1.688" ±0.063
B	2.685" ±0.125	D	2.000" ±0.063	G	0.203" X 0.375" ±0.015

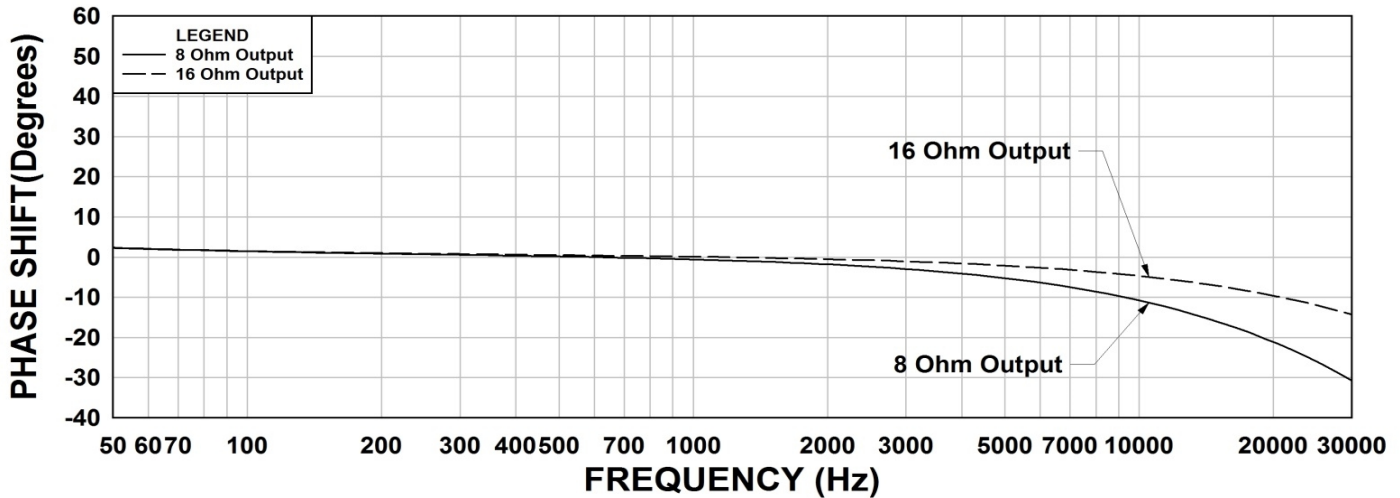
TYPICAL TEST CIRCUIT



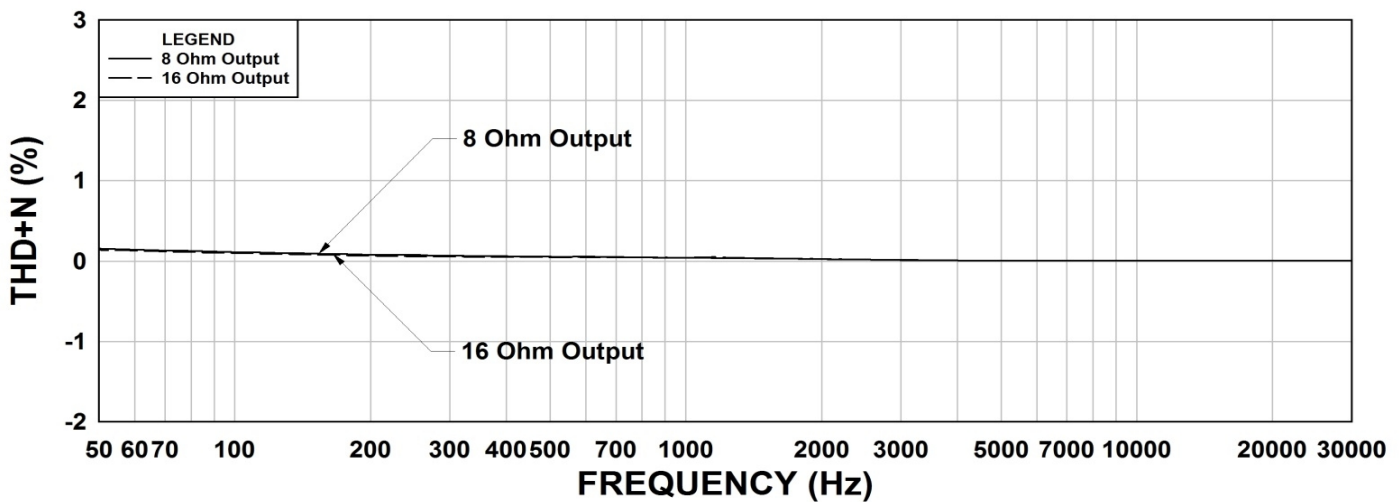
1750ORF Frequency Response RS = 6600 Ohms



1750ORF Phase Shift RS = 6600 Ohms



1750ORF THD+N RS = 6600 Ohms



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