



Hammond Mfg. Co. Ltd., Electronics Division

www.hammondmfg.com

1750WA

TUBE GUITAR AMPLIFIER - OUTPUT TRANSFORMER

- Designed for drop in replacement of original units.
- 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 - 15KHz (0/-1dB reference @ 1KHz)
- Distortion is less than 1% @ 70Hz

ELECTRICAL SPECIFICATIONS	
Characteristics	Typical
Input Impedance	2000 Ohms
Output Impedance	2, 4 & 8 Ohms
Output Power	100 W
DCR	
Primary Brown-Red	19.38 Ohm
Primary Red-Blue	20.23 Ohm
Secondary Black-Yellow	0.048 Ohm
Secondary Black-White	0.073 Ohm
Secondary Black-Green	0.132 Ohm
Inductance	
Impedance @ 1.0 kHz, 1.0 V OC	
Primary Brown-Blue	4.38 H 26.7 KOhm
Secondary Black-Yellow	6.52 mH 101.6 Ohm
Secondary Black-White	12.83 mH 192.9 Ohm
Secondary Black-Green	26.41 mH 353.6 Ohm
Leakage Inductance	
@ 1.0 kHz, 1.0 V SC	
Primary Brown-Blue	88.36 mH
Dielectric Strength	
Temperature Range	2000VRMS
Temperature Range	-40 to 105 degC

TEST CONDITIONS

Measurement instruments:

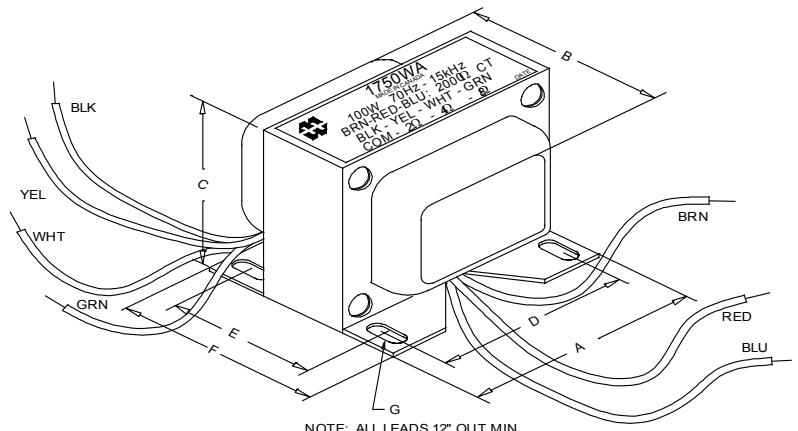
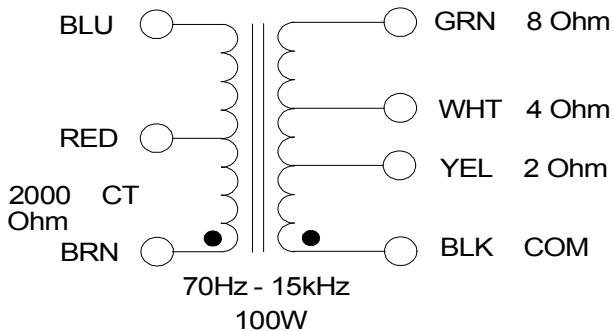
D scope series iii audio analyzer
Wayne Kerr 3255B with a 3265B

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.

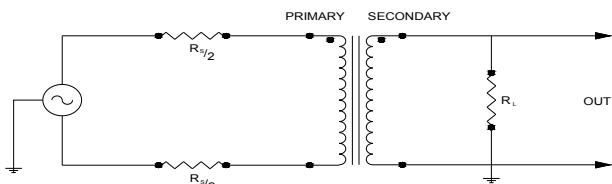
PRIMARY SECONDARY



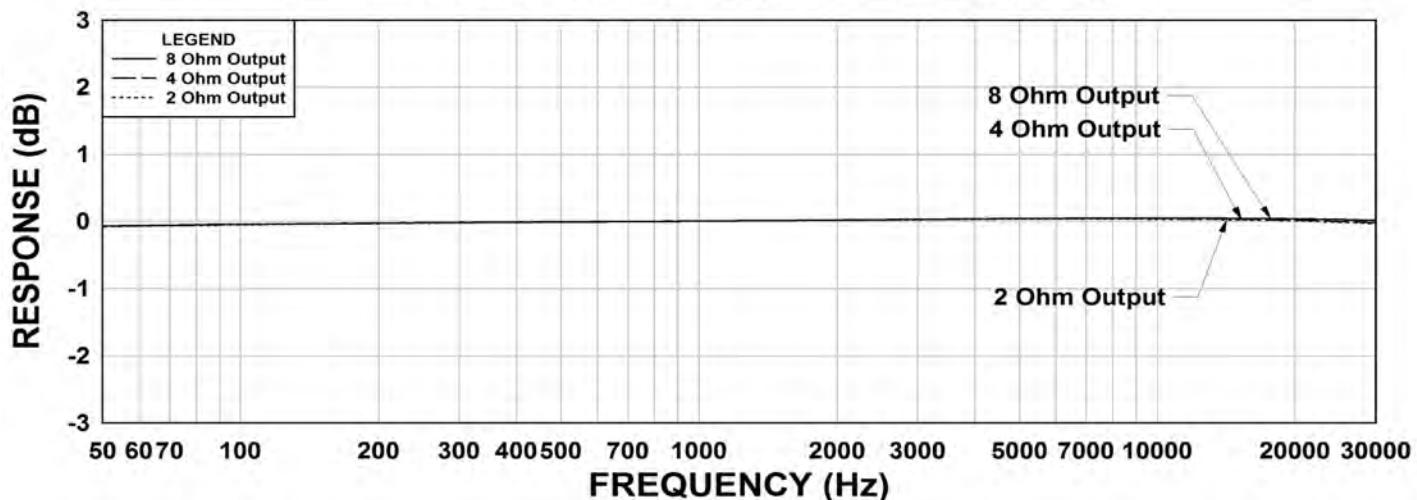
Dimensions

A	4.063" \pm 0.063	E	2.250" \pm 0.063
B	3.450" \pm 0.125	F	2.800" \pm 0.063
C	3.500" \pm 0.063	G	0.187" X 0.300" \pm 0.015
D	3.500" \pm 0.063		

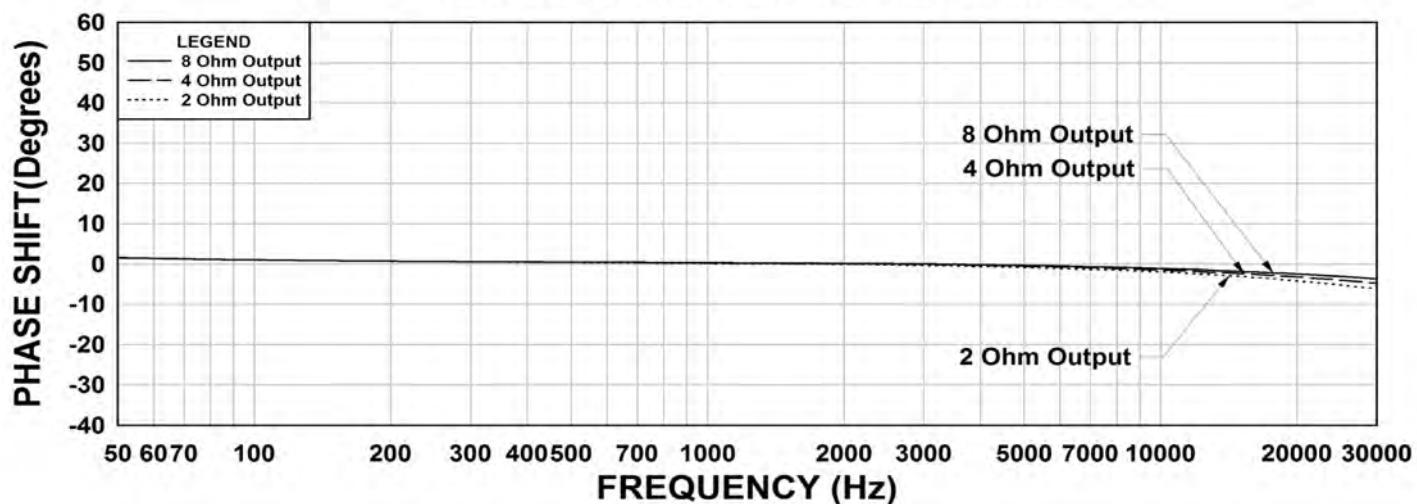
TYPICAL TEST CIRCUIT



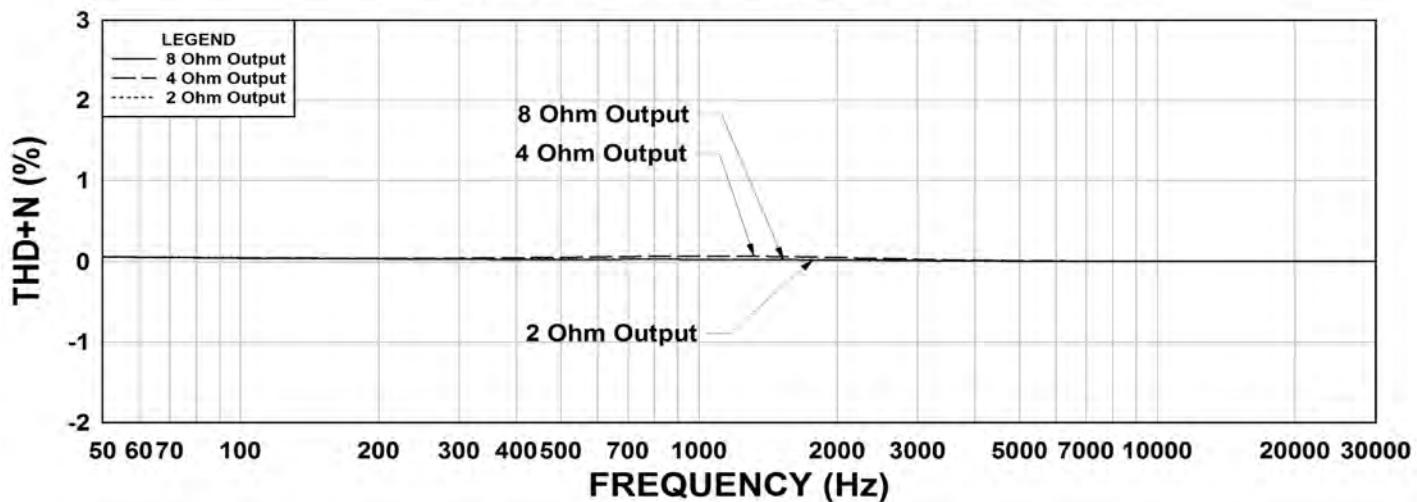
1750WA Frequency Response RS = 2K Ohms



1750WA Phase Shift RS = 2K Ohms



1750WA THD+N RS = 2K Ohms



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