

1750D

TUBE GUITAR AMPLIFIER - OUTPUT TRANSFORMER

- Built-in feedback winding configurable to reduce noise and distortion
- 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/-1.0dB reference @ 1KHz)
- Distortion is less than 1% @ 70Hz

ELECTRICAL SPECIFICATIONS

Characteristics	Typical
Input Impedance	2350 Ohms
Output Impedance	4, 8 & 16 Ohms
Output Power	100 W
DCR	
Primary Brown-Blue	67.91 Ohms
Secondary Black-Grn/Yel	0.300 Ohm
Secondary Black-Green	0.690 Ohm
Secondary Black-Yellow	0.860 Ohm
Feedback Winding(Org-Wht)	0.025 Ohm
Inductance Impedance	
@ 1.0 kHz, 1.0 V OC	
Primary Brown-Blue	10.2H 65 KOhm
Leakage Inductance	
@ 1.0 kHz, 1.0 V SC	
Brown-Blue	5.66mH
Dielectric Strength	
	2000VRMS
Temperature Range	-40 to 105 degC

TEST CONDITIONS

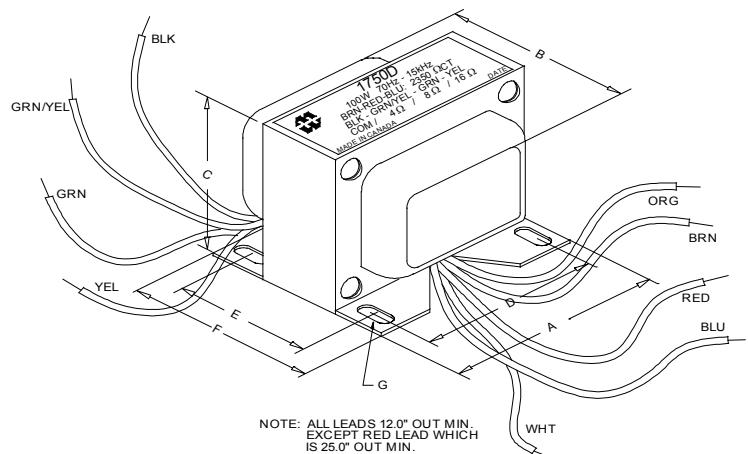
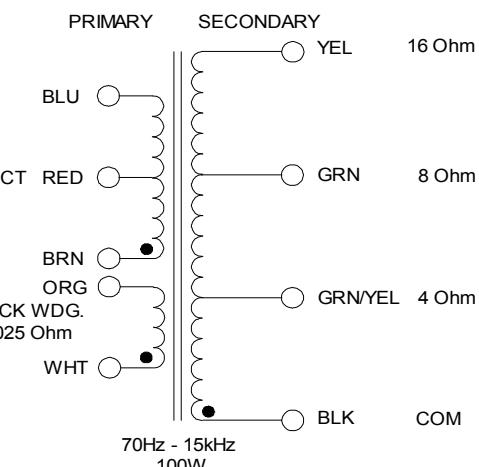
Measurement instruments:

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.

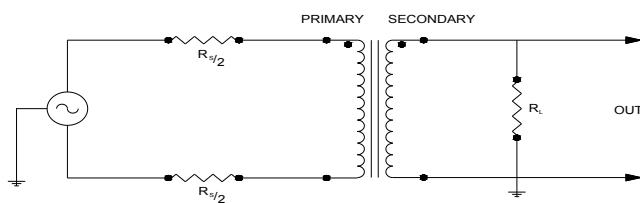
**The results are typical and are subject to normal manufacturing and electrical tolerances.



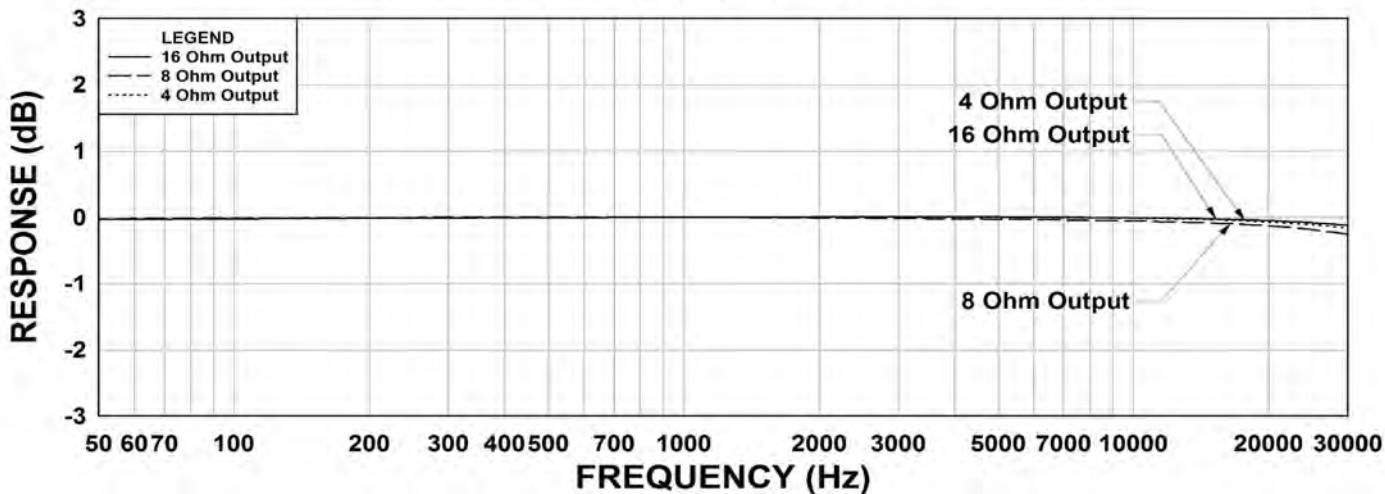
Dimensions

A 4.050" \pm 0.063	D 3.500" \pm 0.063	G 0.187" X 0.300"
B 3.715" \pm 0.125	E 2.500" \pm 0.063	\pm 0.015
C 3.500" \pm 0.063	F 3.020" \pm 0.063	

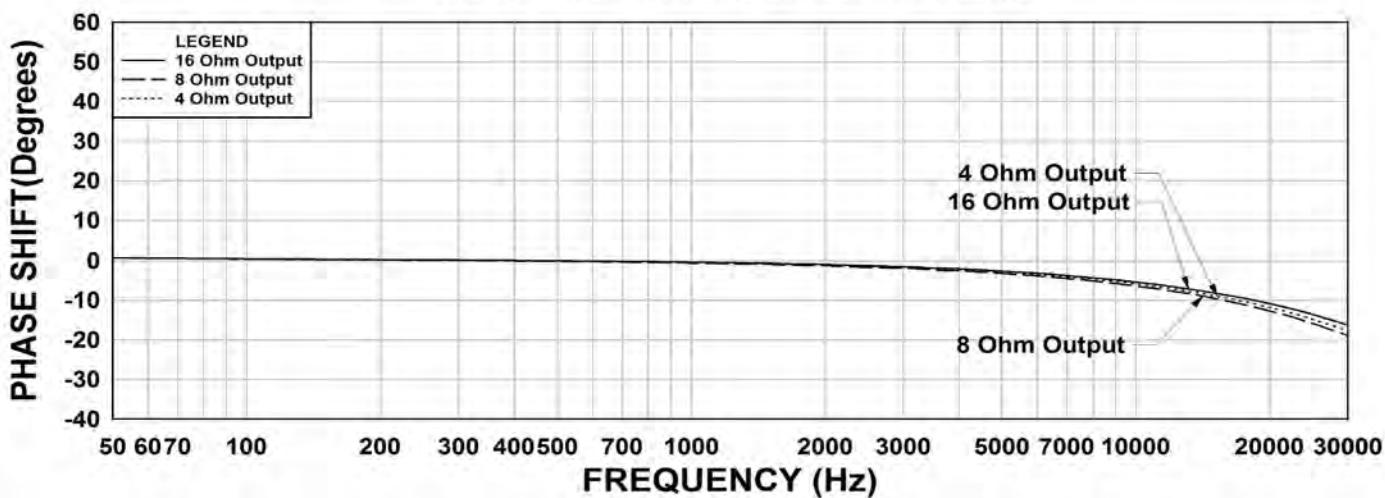
TYPICAL TEST CIRCUIT



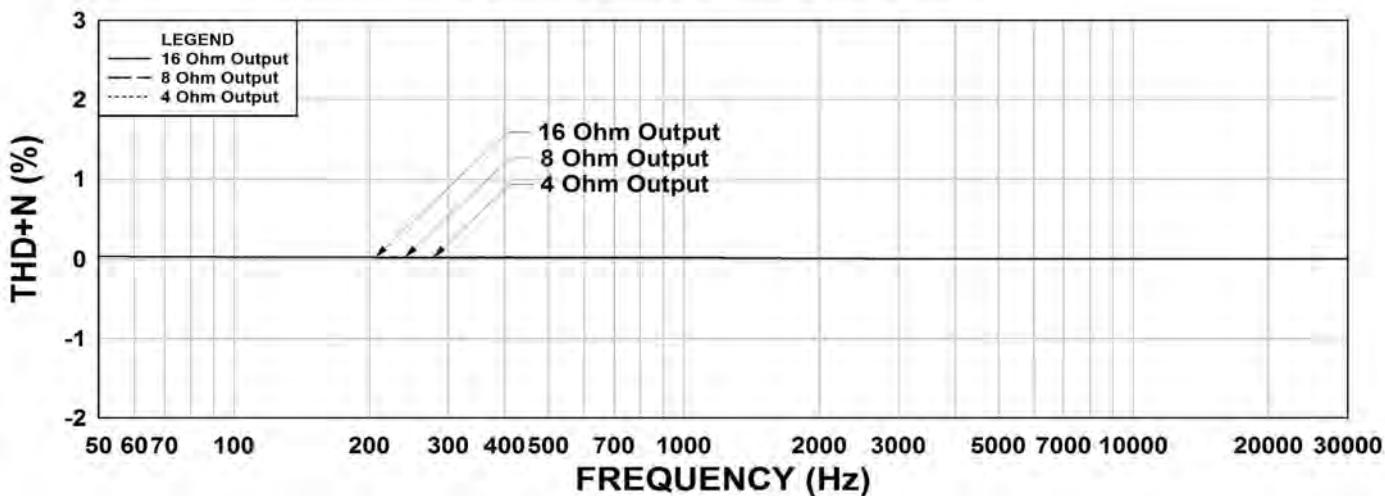
1750D Frequency Response RS = 2350 Ohm



1750D Phase Shift RS = 2350 Ohm



1750D THD+N RS = 2350 Ohm



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