



Hammond Mfg. Co. Ltd., Electronics Division

www.hammondmfg.com

1750JA

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 11" 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	4250 Ohms
Output Impedance	4 & 8 Ohms
Output Power	40 W
DCR	
Primary Brown-Red	82.0 Ohms
Primary Red-Blue	108.3 Ohms
Secondary Black-Grn/Yel	0.253 Ohm
Secondary Black-Green	0.462 Ohm
Inductance Impedance	
@ 1.0 kHz, 1.0 V OC	
Primary Brown-Blue	11.40 H 72.0 KOhm
Secondary Black-Grn/Yel	28.86 mH 259.20 Ohm
Secondary Black-Green	55.60 mH 457.80 Ohm
Leakage Inductance	
@ 1.0 kHz, 1.0 V SC	
Primary Brown-Blue	31.39 mH
Dielectric Strength	
2000VRMS	
Temperature Range	-40 to 105 degC

TEST CONDITIONS

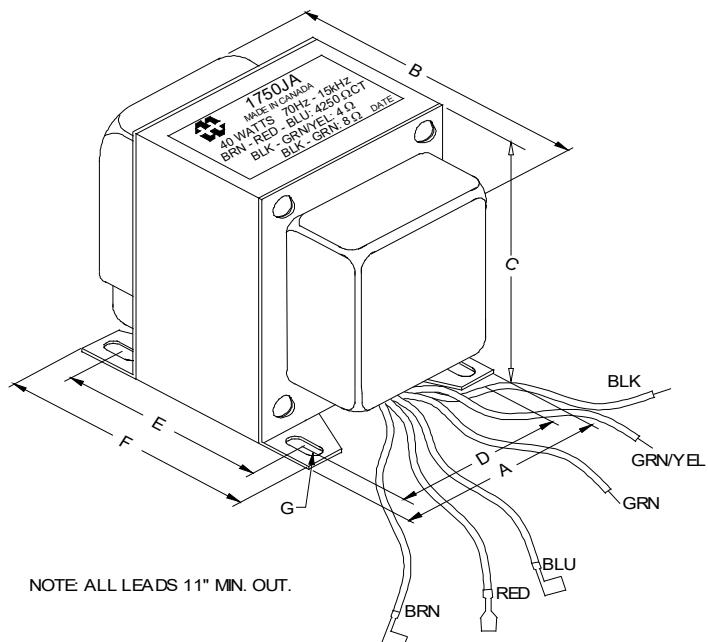
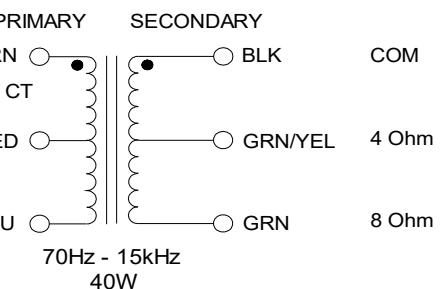
Measurement instruments:

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

Keithley 2010 DVM
Hp4192a impedance analyzer

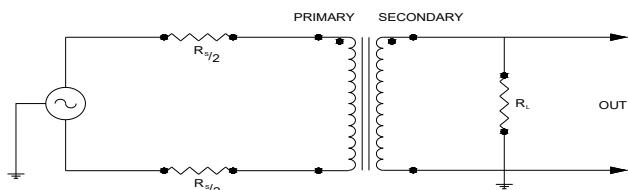
* All graphs input level 27dBu @1.0kHz reference.

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

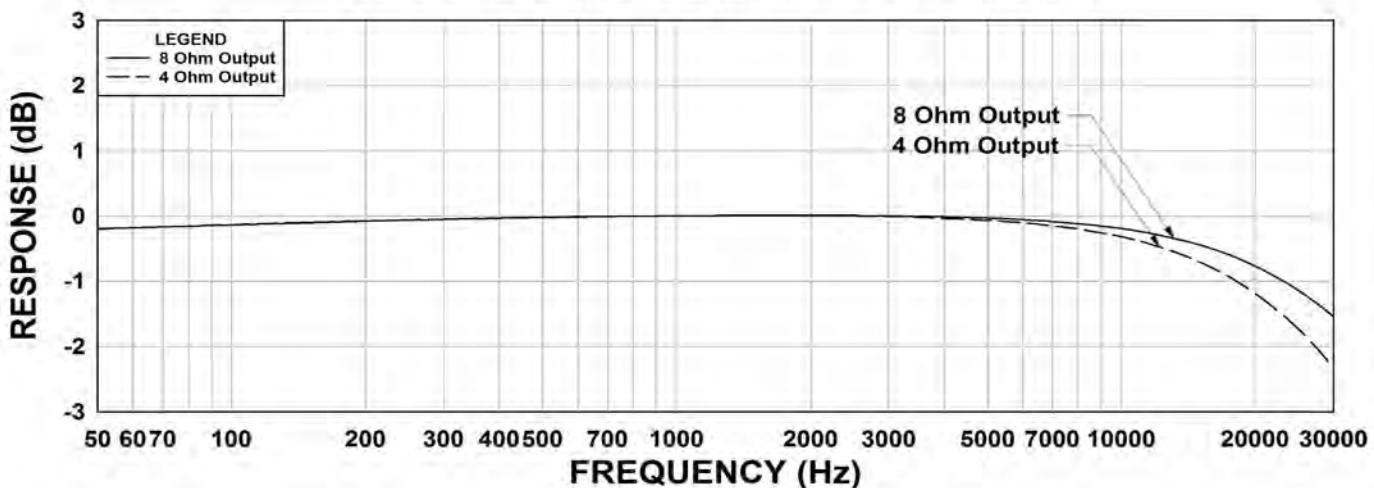


Dimensions		
A 2.500" ±0.063	D 2.000" ±0.063	G 0.188" X 0.375"
B 3.150" ±0.125	E 2.150" ±0.063	±0.015
C 3.256" ±0.063	F 2.650" ±0.063	

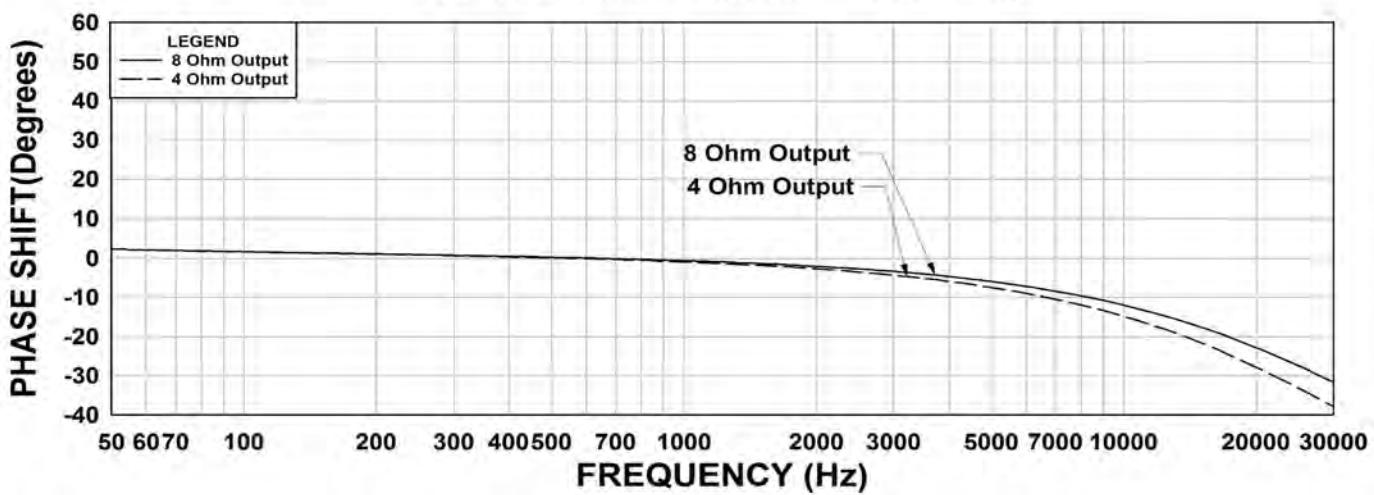
TYPICAL TEST CIRCUIT



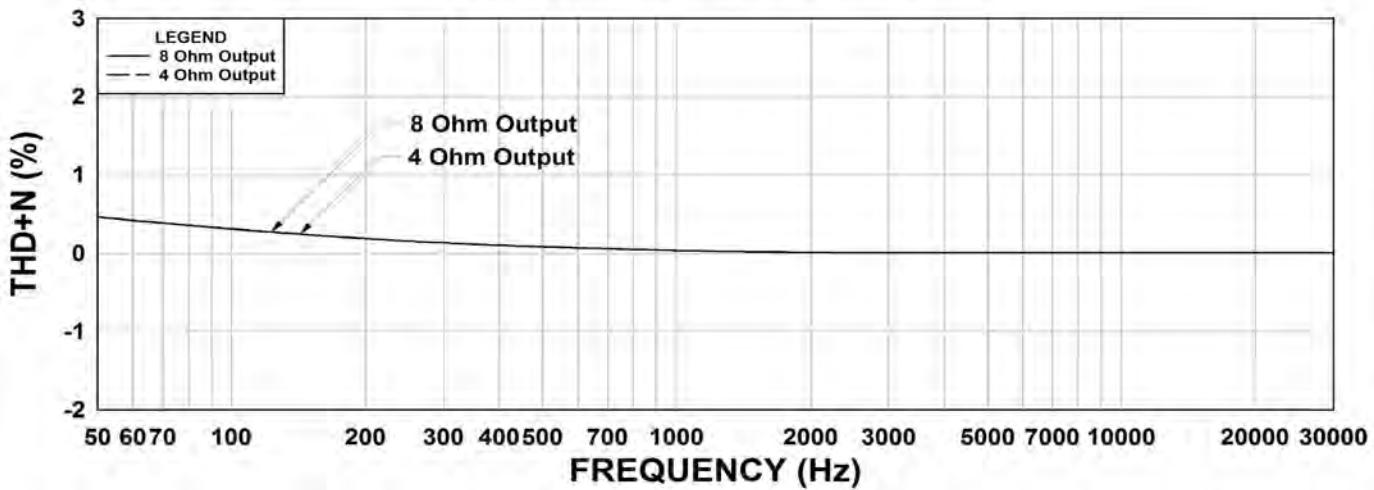
1750JA Frequency Response RS = 4250 Ohm



1750JA Phase Shift RS = 4250 Ohm



1750JA THD+N RS = 4250 Ohm



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