



Hammond Mfg. Co. Ltd., Electronics Division

www.hammondmfg.com

1750R

TUBE GUITAR AMPLIFIER - OUTPUT TRANSFORMER

- Designed for drop in replacement of original units such as Yorkville/Traynor¹ 98694 (A1301)
- 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 9" long primary and secondary leads
- Frequency response 50Hz - 12KHz (0/-1dB reference @ 1KHz)
- Distortion is less than 1% @ 50Hz

ELECTRICAL SPECIFICATIONS

Characteristics		Typical
Input Impedance		2000 Ohms
Output Impedance		4, 8 & 16 Ohms
Output Power		100 W
DCR		
Primary Blue-Brown		25.72 Ohms
Secondary Black-Orange		0.222 Ohm
Inductance Impedance @ 1.0 kHz, 1.0 V OC		
Primary Blue-Brown		4.84H 31.2K Ohm
Secondary Black-Green		16.20mH 117.05 Ohm
Secondary Black-Yellow		31.28mH 219.30 Ohm
Secondary Black-Orange		58.48mH 400.60 Ohm
Leakage Inductance @ 1.0 kHz, 1.0 V SC		
Primary Blue-Brown		11.37 mH
Dielectric Strength 2250VRMS		
Temperature Range -40 to 105 degC		

TEST CONDITIONS

Measurement instruments:

D scope series iii audio analyzer

Wayne Kerr 3255B with a 3265B

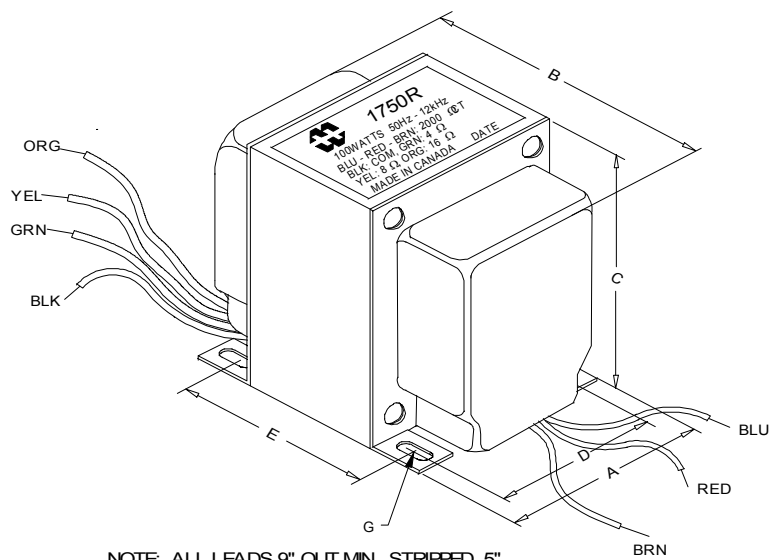
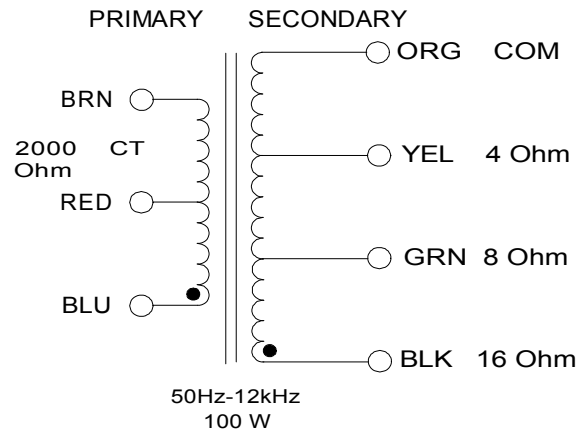
Keithley 2010 DVM

Hp4192a impedance analyzer

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

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

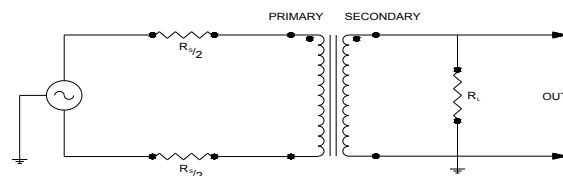
¹DISCLAIMER: Hammond Mfg. is not affiliated with Fender Musical Instruments Corp., Marshall Amplification, Yorkville/Traynor, AMPEG or VOX Amplification companies. Amplifier model names are trademarks of the amplifier companies and are just listed here for reference purpose only.



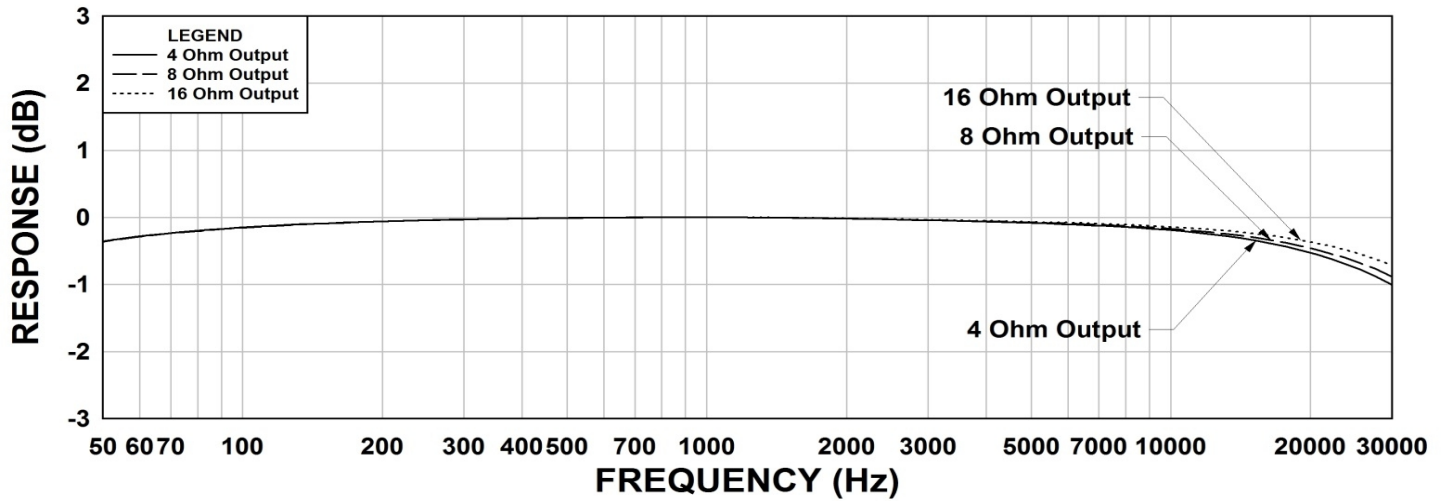
NOTE: ALL LEADS 9" OUT MIN., STRIPPED .5"

Dimensions					
A	3.750" ±0.063	C	4.560" MAX	E	2.813" ±0.063
B	3.936" ±0.125	D	3.000" ±0.063	G	0.203 X 0.375" ±0.015

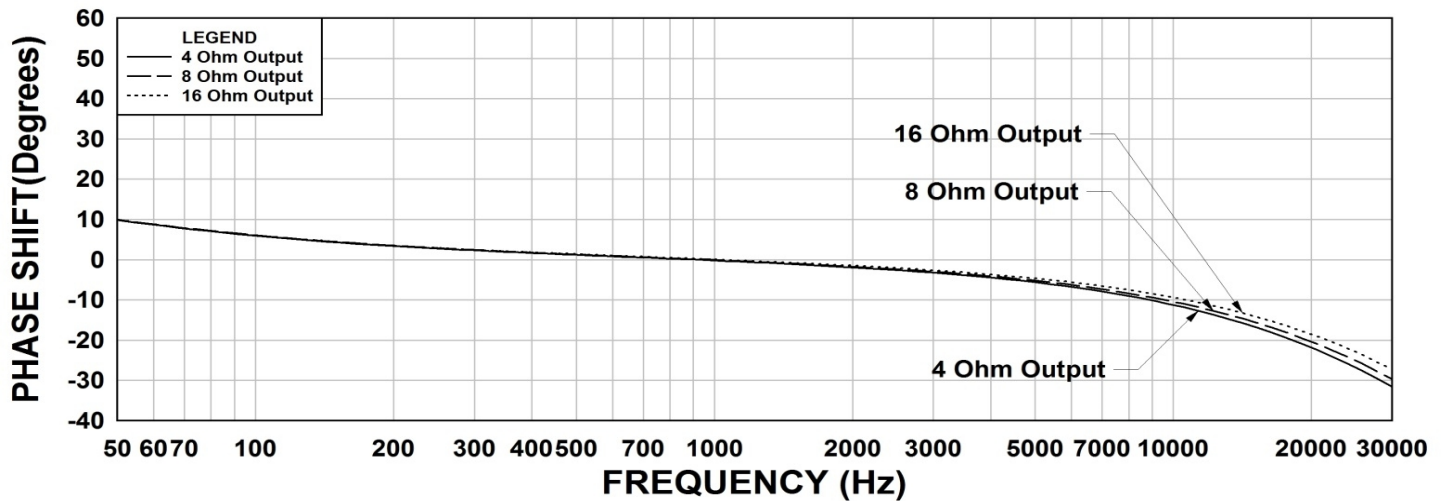
TYPICAL TEST CIRCUIT



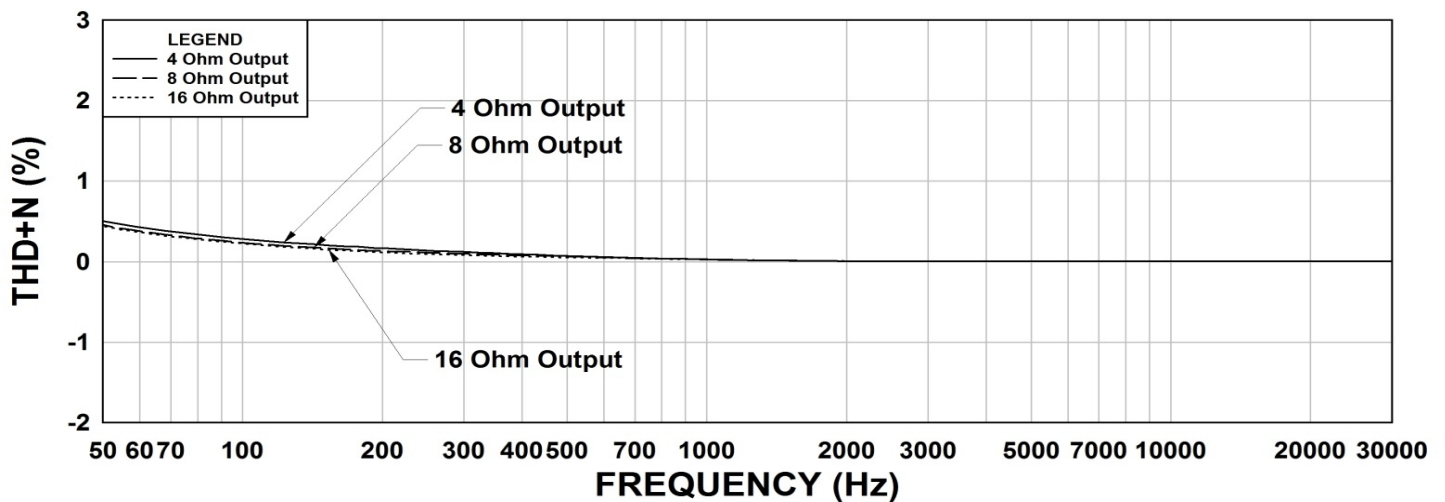
1750R Frequency Response RS = 2K Ohms



1750R Phase Shift RS = 2K Ohms



1750R THD+N RS = 2K Ohms



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