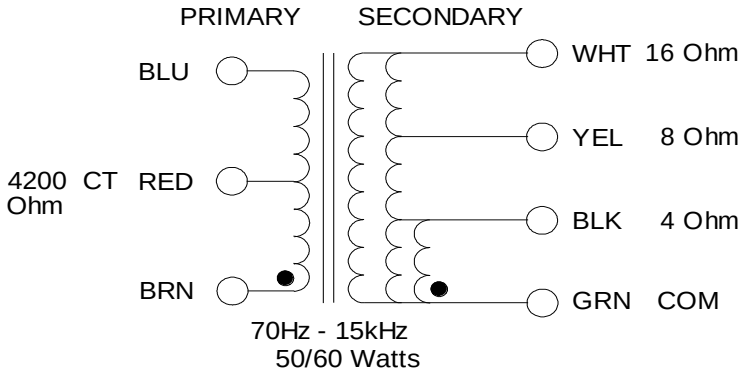
Hammond Mfg. Co. Ltd., Electronics Division

www.hammfg.com

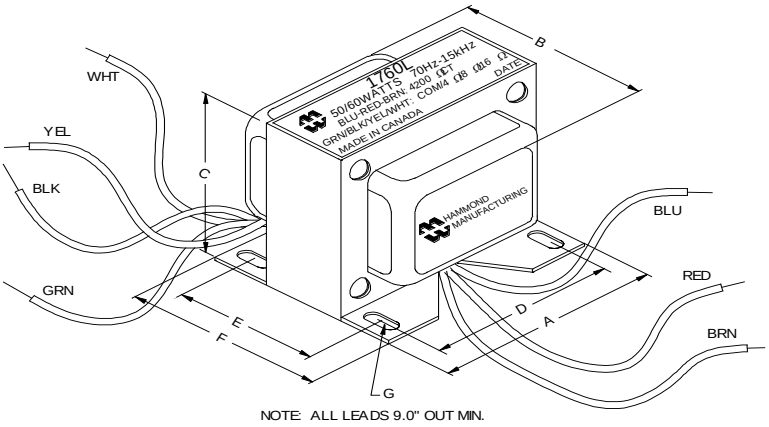
1760L

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 9" long primary and secondary leads
- Frequency response 70Hz - 15KHz (0/-1dB reference @ 1KHz)
- Distortion is less than 2% @ 70Hz



ELECTRICAL SPECIFICATIONS		
Characteristics	**Typical**	
Input Impedance	4200 Ohms	
Output Impedance	4, 8 & 16 Ohms	
Output Power	50/60W	
DCR		
Primary Brown-Red	46.48 Ohm	
Primary Red-Blue	51.04 Ohm	
Secondary Green-Black	0.238 Ohm	
Secondary Green-Yellow	0.405 Ohm	
Secondary Green-White	0.578 Ohm	
Inductance / **Impedance**	@ 1.0 kHz, 1.0 V OC	
Primary Brown-Blue	5.72 H	36.4 KOhm
Secondary Green-Black	9.31 mH	66.26 Ohm
Secondary Green-Yellow	18.15 mH	126.85 Ohm
Secondary Green-White	34.23 mH	233.5 Ohm
Leakage Inductance	@ 1.0 kHz, 1.0 V SC	
Primary Brown-Blue	3.506 mH	
Dielectric Strength	2828VDC	
Temperature Range	-40 to 105 degC	



NOTE: ALL LEADS 9.0" OUT MIN.

Dimensions			
A	4.063" ±0.063	E	1.955" ±0.063
B	3.150" ±0.125	F	2.480" ±0.063
C	3.500" ±0.063	G	0.180" X 0.300"
D	3.500" ±0.063		±0.015

TEST CONDITIONS

Measurement instruments:

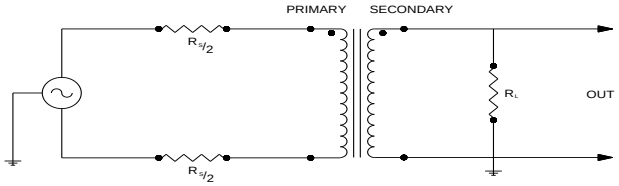
D scope series iii audio analyzer — Keithley 2010 DVM

Wayne Kerr 3255B with a 3265B — Hp4192a impedance analyzer

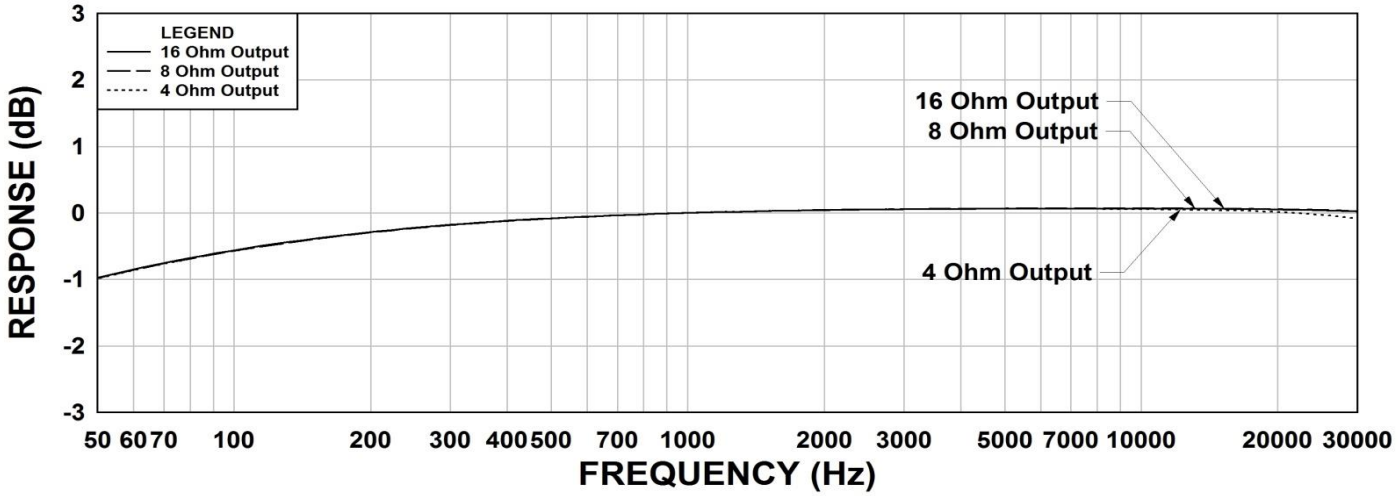
* All graphs input level 27dBu @1.0KHz reference.

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

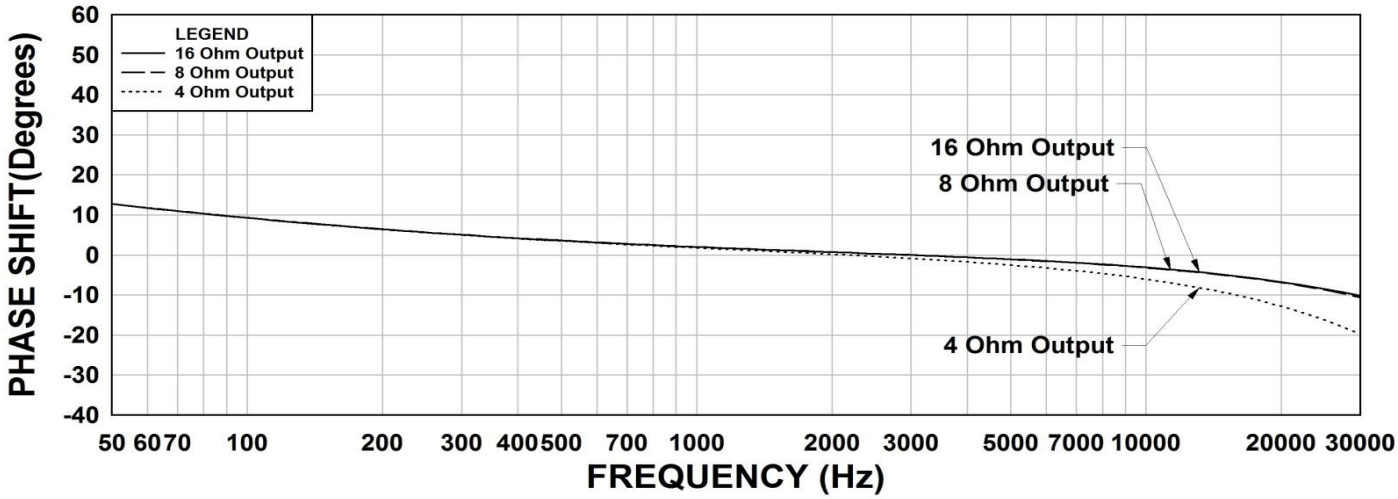
TYPICAL TEST CIRCUIT



1760L Frequency Response RS = 4200 Ohms



1760L Phase Shift RS =4200 Ohms



1760L THD+N RS = 4200 Ohms