



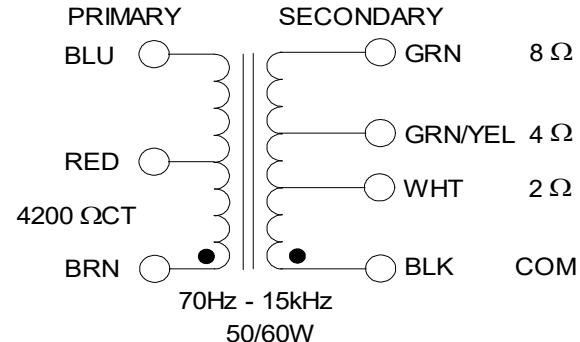
Hammond Mfg. Co. Ltd., Electronics Division

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## 1750M

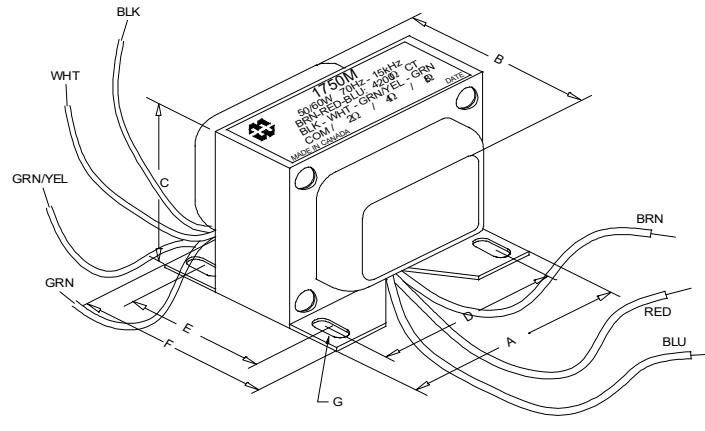
### TUBE GUITAR AMPLIFIER - OUTPUT TRANSFORMER

- 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 1% @ 70Hz



### ELECTRICAL SPECIFICATIONS

Characteristics	Typical			
Input Impedance	4200 Ohms			
Output Impedance	2, 4 & 8 Ohms			
Output Power	50/60 W			
<b>DCR</b>				
Primary Brown-Blue	68.0 Ohms			
Secondary Black-White	0.235 Ohm			
Secondary Black-Grn/Yel	0.302 Ohm			
Secondary Black-Green	0.355 Ohm			
<b>Inductance Impedance</b>				
@ 1.0 kHz, 1.0 V OC				
Primary Brown-Blue	5.60 H	35.6 KOhm		
Secondary Black-White	8.53 mH	88.34 Ohm		
Secondary Black-Grn/Yel	17.08 mH	154.20 Ohm		
Secondary Black-Green	32.63 mH	275.10 Ohm		
<b>Leakage Inductance</b>				
@ 1.0 kHz, 1.0 V SC				
Primary Brown-Blue	8.03 mH			
<b>Dielectric Strength</b>				
2000VRMS				
Temperature Range	-40 to 105 degC			



NOTE: ALL LEADS 9.0" OUT MIN.

### Dimensions

A	4.050" $\pm$ 0.063	E	2.000" $\pm$ 0.063
B	3.220" $\pm$ 0.125	F	2.510" $\pm$ 0.063
C	3.500" $\pm$ 0.063	G	0.187" X 0.300"
D	3.500" $\pm$ 0.063		$\pm$ 0.015

### TEST CONDITIONS

Measurement instruments:

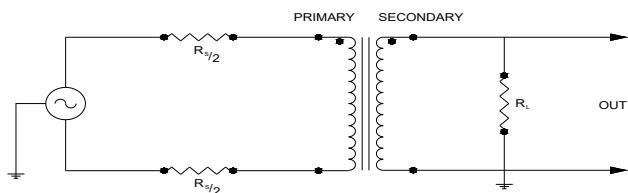
D scope series iii audio analyzer  
Wayne Kerr 3255B with a 3265B

Keithley 2010 DVM  
Hp4192a impedance analyzer

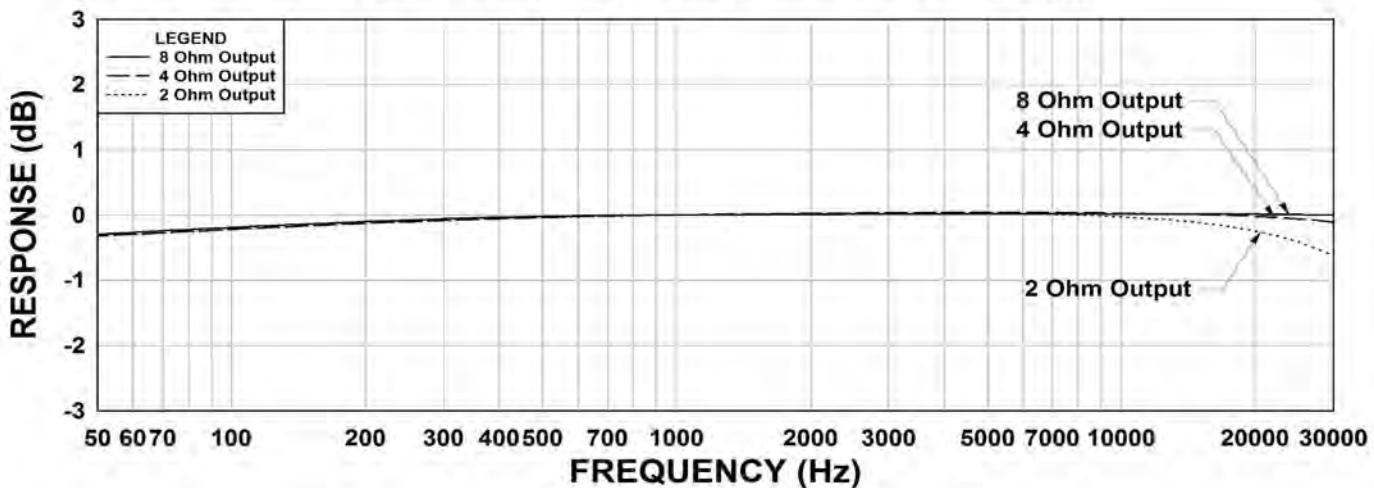
\* All graphs input level 27dBu @1.0KHz reference.

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

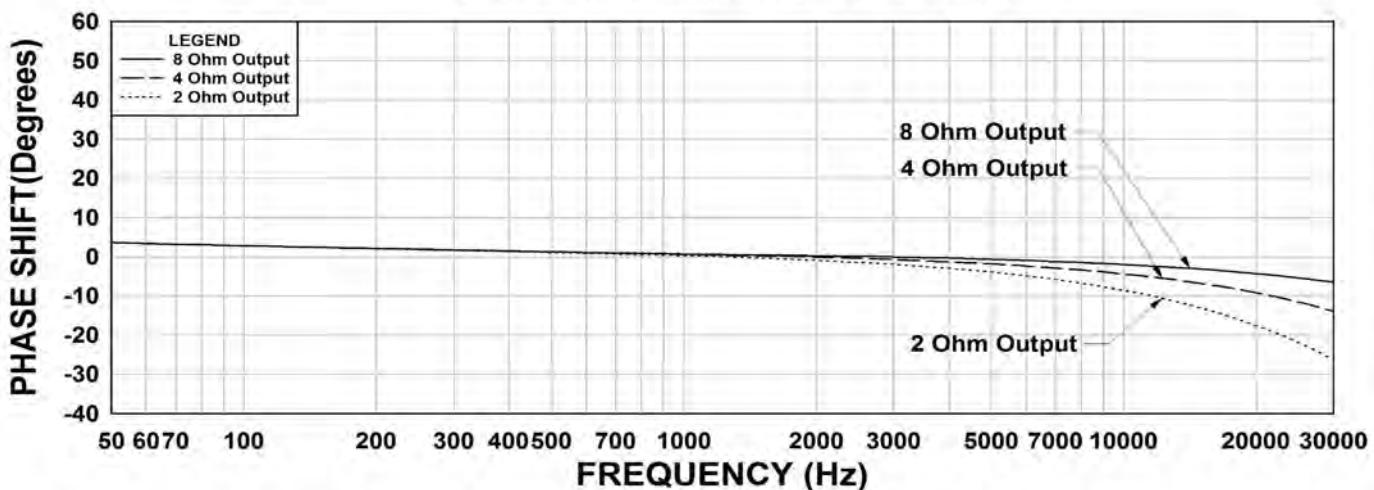
### TYPICAL TEST CIRCUIT



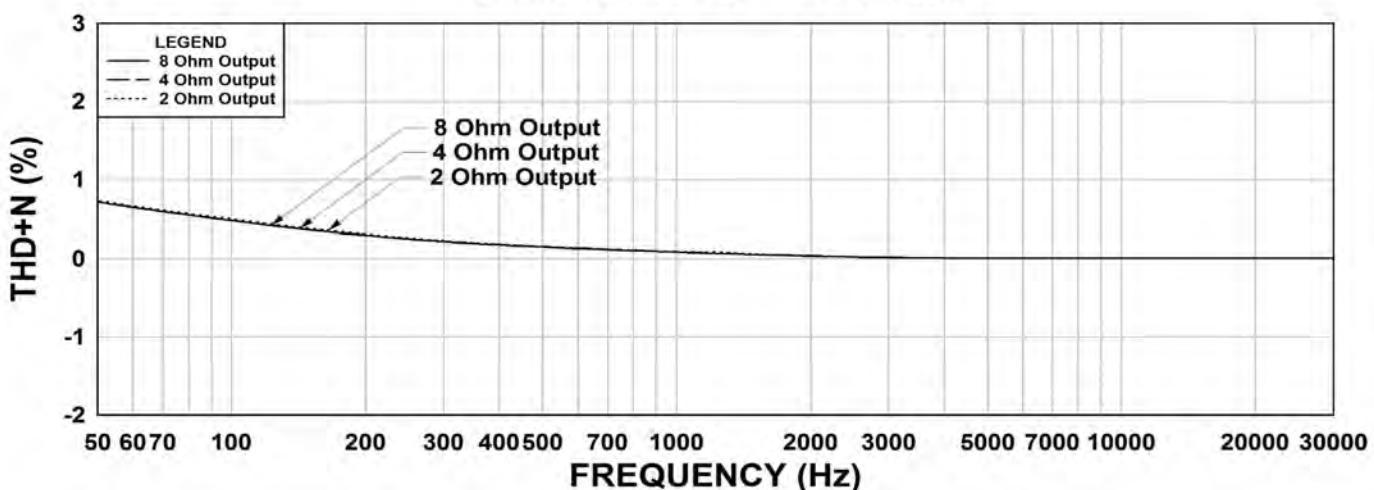
### 1750M Frequency Response RS = 4200 Ohm



### 1750M Phase Shift RS = 4200 Ohm



### 1750M THD+N RS = 4200 Ohm



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