

## 1750F

### 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 7" long primary and secondary leads
- Frequency response 70Hz - 15KHz (0/-1.5dB reference @ 1KHz)
- Distortion is less than 3% @ 70Hz

### ELECTRICAL SPECIFICATIONS

| Characteristics             | Typical         |           |  |  |
|-----------------------------|-----------------|-----------|--|--|
| Input Impedance             | 6950 Ohms       |           |  |  |
| Output Impedance            | 8 Ohms          |           |  |  |
| Output Power                | 15W             |           |  |  |
| <b>DCR</b>                  |                 |           |  |  |
| Primary Red-Brown           | 97.36 Ohms      |           |  |  |
| Primary Red-Blue            | 97.36 Ohms      |           |  |  |
| Secondary Black-Green       | 0.409 Ohm       |           |  |  |
| <b>Inductance Impedance</b> |                 |           |  |  |
| @ 1.0 kHz, 1.0 V OC         |                 |           |  |  |
| Primary Blue-Brown          | 3.99H           | 24.8K Ohm |  |  |
| Secondary Black-Green       | 8.71mH          | 66.28 Ohm |  |  |
| <b>Leakage Inductance</b>   |                 |           |  |  |
| @ 1.0 kHz, 1.0 V SC         |                 |           |  |  |
| Primary Blue-Brown          | 7.03mH          |           |  |  |
| <b>Dielectric Strength</b>  |                 |           |  |  |
| Temperature Range           | 1500VRMS        |           |  |  |
|                             | -40 to 105 degC |           |  |  |

### TEST CONDITIONS

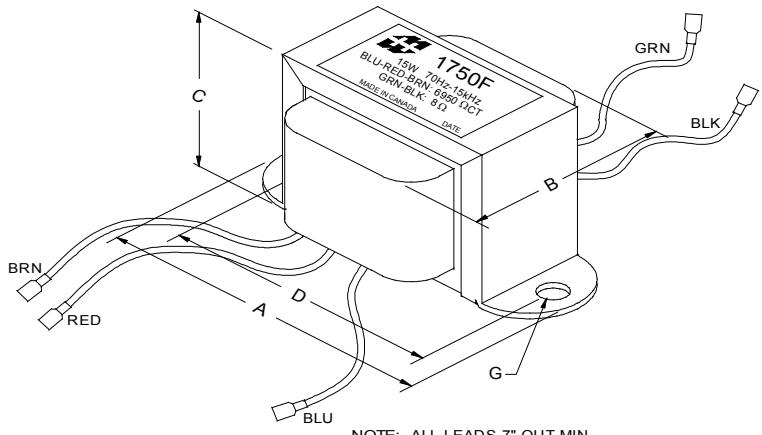
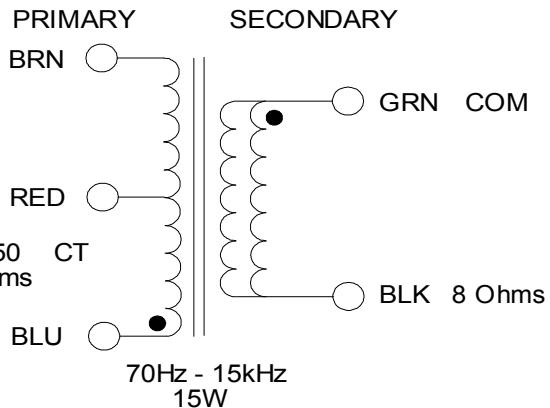
Measurement instruments:

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.

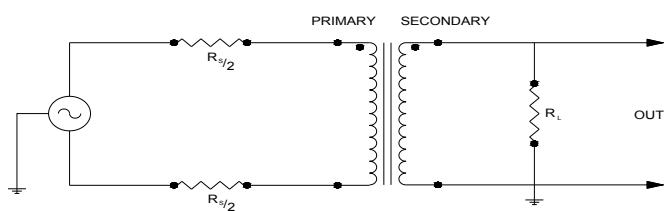
\*\*The results are typical and are subject to normal manufacturing and electrical tolerances.



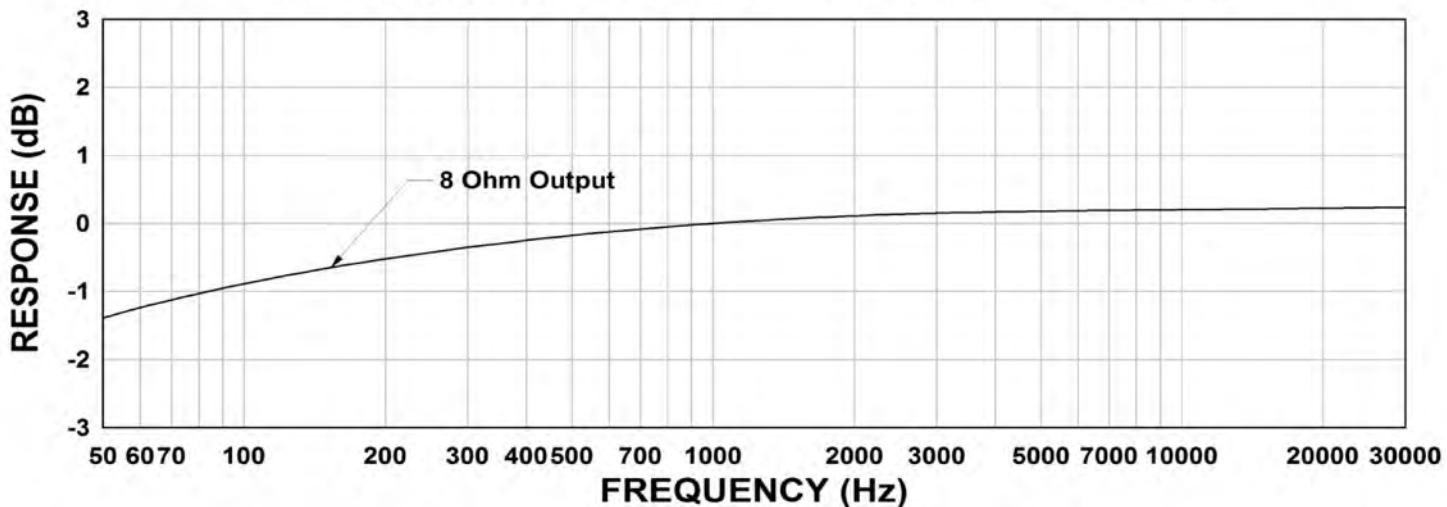
### Dimensions

|   |                    |   |                    |
|---|--------------------|---|--------------------|
| A | 3.250" $\pm$ 0.063 | D | 2.813" $\pm$ 0.063 |
| B | 1.687" $\pm$ 0.125 | G | 0.187" $\pm$ 0.015 |
| C | 1.995" $\pm$ 0.063 |   |                    |

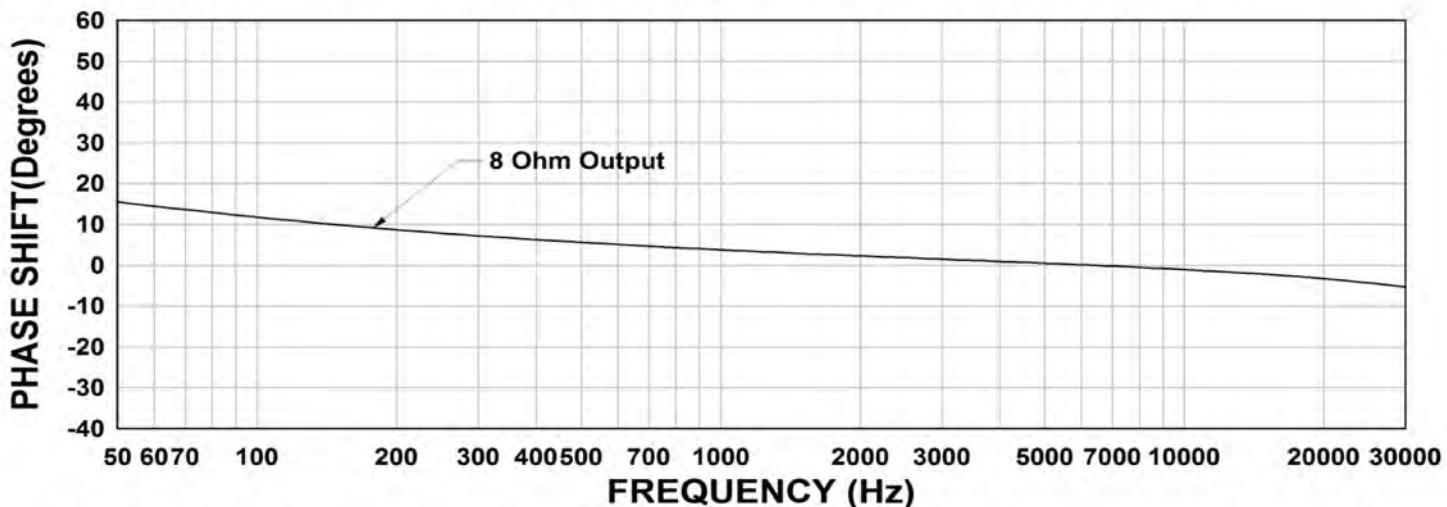
### TYPICAL TEST CIRCUIT



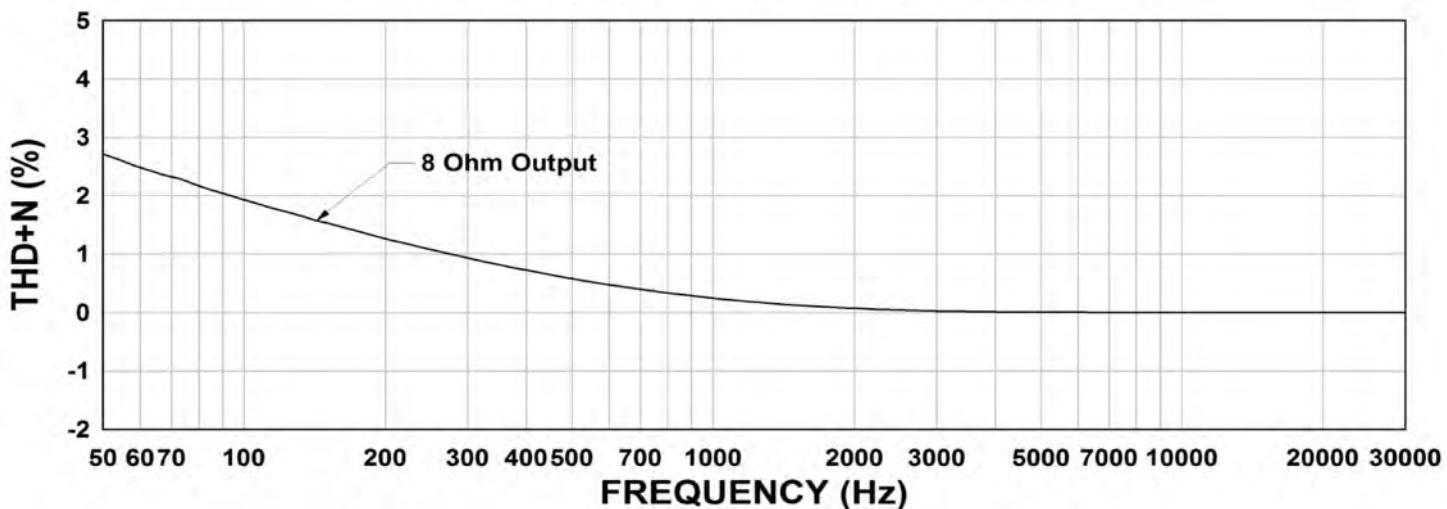
**1750F Frequency Response RS = 6950 Ohms RL = 8 Ohms**



**1750F Phase Shift RS = 6950 Ohms RL = 8 Ohms**



**1750F THD+N RS = 6950 Ohms RL = 8 Ohms**



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