

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 | | |
| Primary Brown-Blue | | 31.39 mH |
| Dielectric Strength | | |
| Dielectric Strength | | 2000VRMS |
| Temperature Range | | -40 to 105 degC |

TEST CONDITIONS

Measurement instruments:

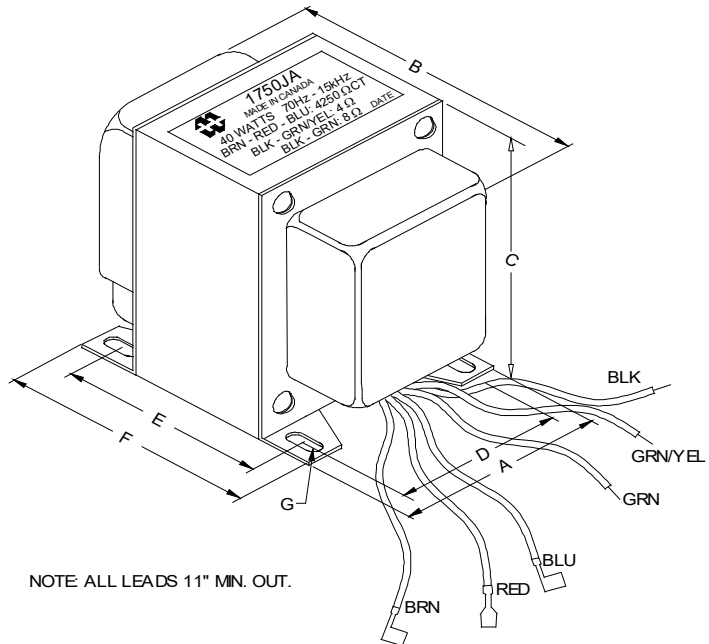
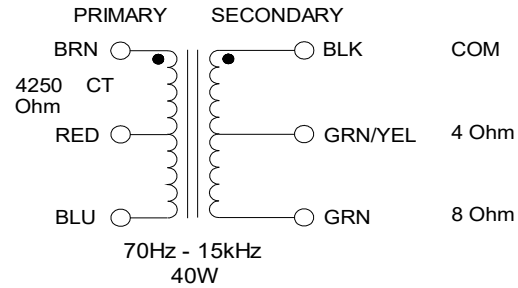
D scope series iii audio analyzer
Wayne Kerr 3255B with a 3265B

Keithley 2010 DVM

Hp4192a impedance analyzer

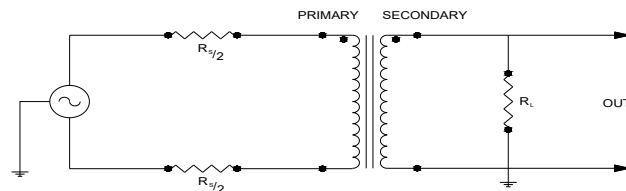
* All graphs input level 27dBu @1.0KHz reference.

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

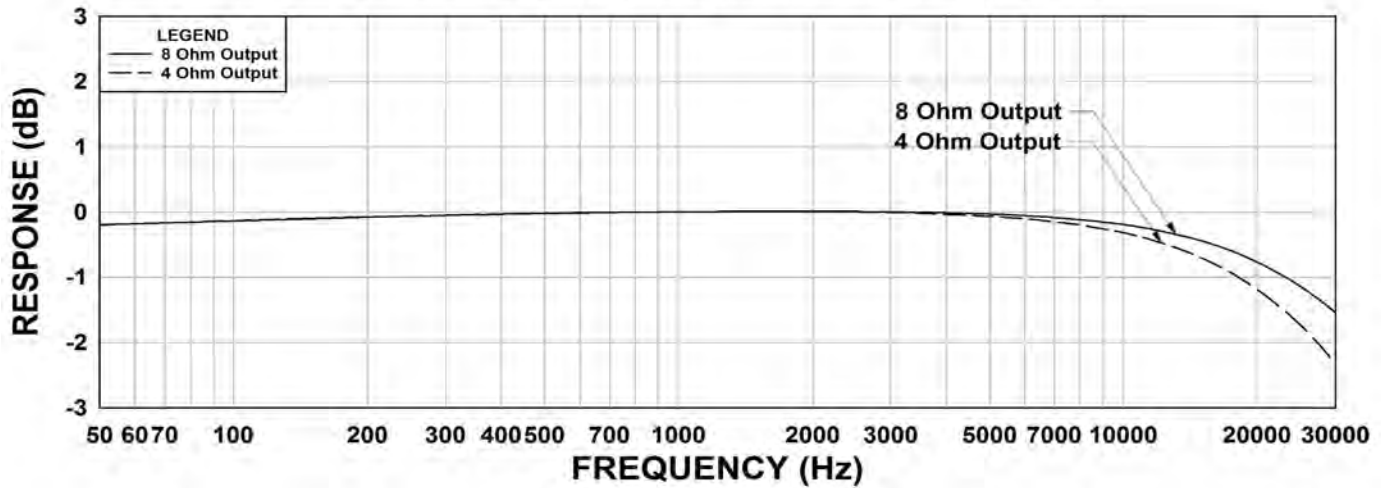


| Dimensions | | |
|-----------------|-----------------|-------------------|
| A 2.500" ±0.063 | D 2.000" ±0.063 | G 0.188" X 0.375" |
| B 3.150" ±0.125 | E 2.150" ±0.063 | ±0.015 |
| C 3.256" ±0.063 | F 2.650" ±0.063 | |

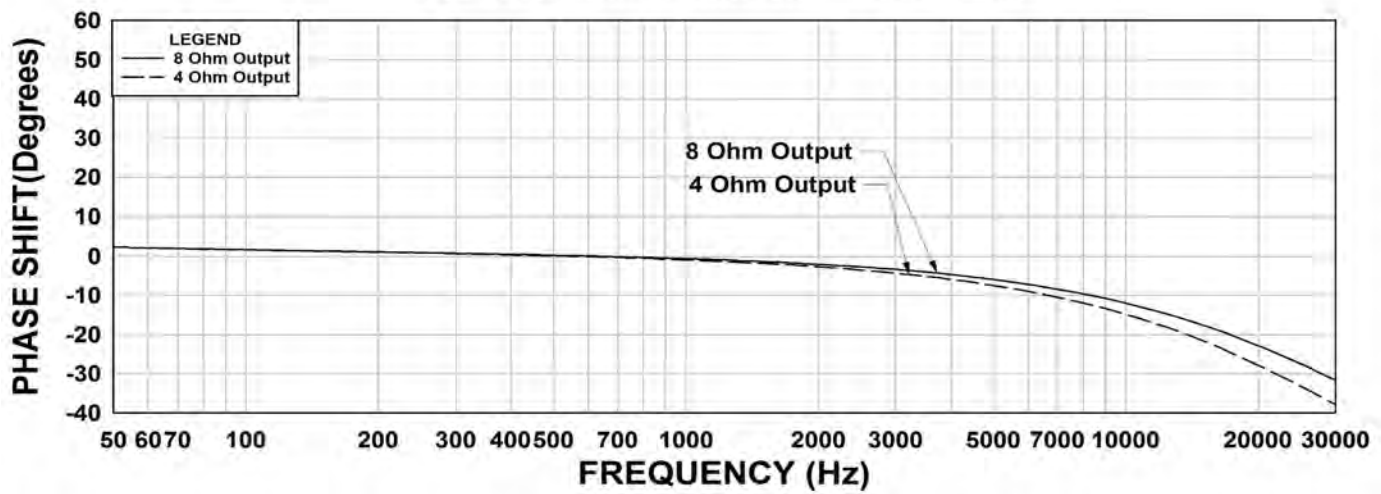
TYPICAL TEST CIRCUIT



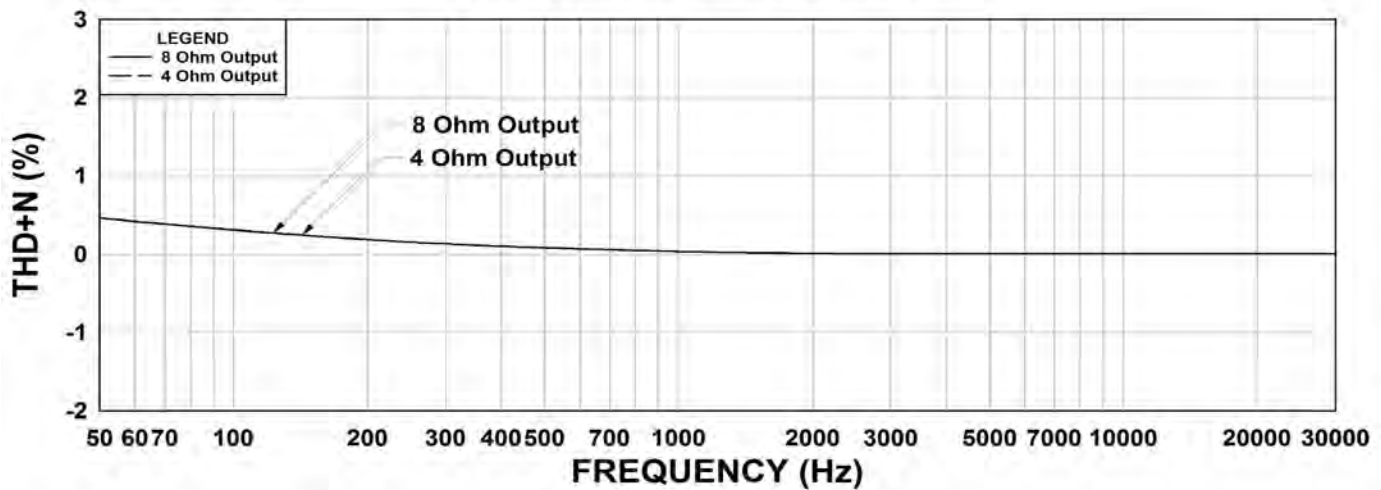
1750JA Frequency Response RS = 4250 Ohm



1750JA Phase Shift RS = 4250 Ohm



1750JA THD+N RS = 4250 Ohm



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