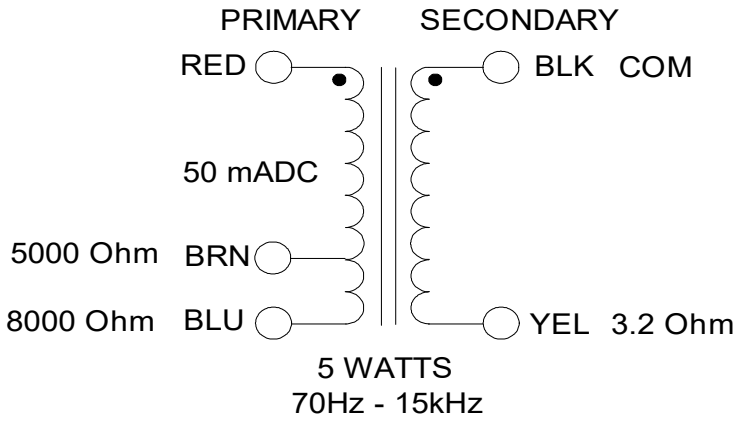
HAMMOND MANUFACTURING®

Hammond Mfg. Co. Ltd., Electronics Division

# 1750C

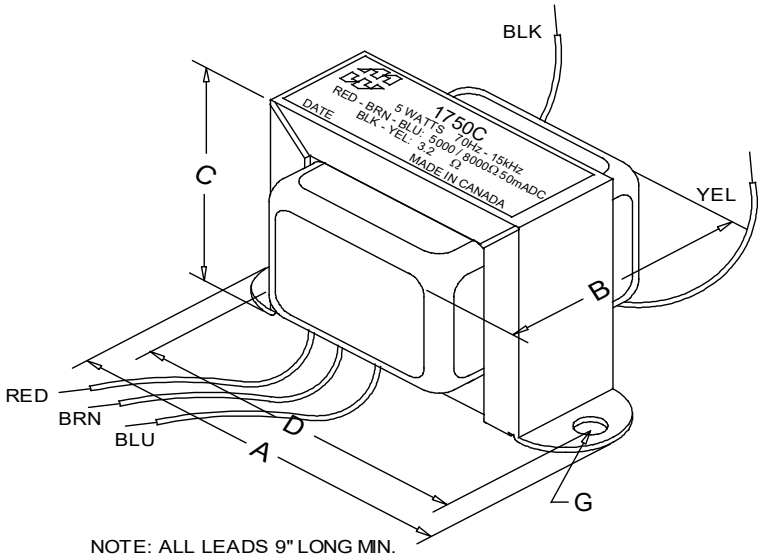
**TUBE GUITAR AMPLIFIER - OUTPUT TRANSFORMER**

- 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/-1.0dB reference @ 1KHz)
- Distortion is less than 1% @ 70Hz




5 WATTS
70Hz - 15kHz

| ELECTRICAL SPECIFICATIONS | | | |
|---|---|---|---|
| **Characteristics** | | **Typical** | |
| Input Impedance | | 5000/8000 Ohms | |
| Output Impedance | | 3.2 Ohms | |
| Output Power | | 5W | |
| Max PRI DC | | 50mA | |
| | | | |
| **DCR** | | | |
| Primary Red-Brown | | 255.84 Ohms | |
| Primary Brown-Blue | | 73.89 Ohms | |
| Secondary Black-Yellow | | 0.295 Ohm | |
| | | | |
| **Inductance** | **Impedance** | @ 1.0 kHz, 1.0 V OC | |
| Primary Red-Brown | | 14.25H | 84.12 KOhm |
| Primary Red-Blue | | 20.42H | 122.68 KOhm |
| Secondary Black-Yellow | | 64.53 mH | 154.90 Ohm |
| | | | |
| **Leakage Inductance** | | @ 1.0 kHz, 1.0 V SC | |
| Primary Red-Brown | | 54.28 mH | |
| Primary Red-Blue | | 74.48 mH | |
| | | | |
| Dielectric Strength | | 1500VRMS | |
| Temperature Range | | -40 to 105 degC | |




NOTE: ALL LEADS 9" LONG MIN.

| Dimensions | | | | | |
|---|---|---|---|---|---|
| A | 2.813" ±0.063 | C | 1.683" ±0.063 | G | 0.187" ±0.015 |
| B | 1.560" ±0.125 | D | 2.375" ±0.063 | | |

## TEST CONDITIONS

Measurement instruments:

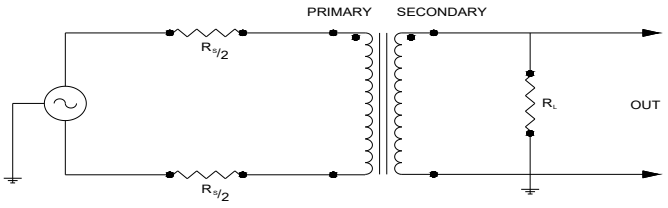
D scope series iii audio analyzer — Keithley 2010 DVM

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

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

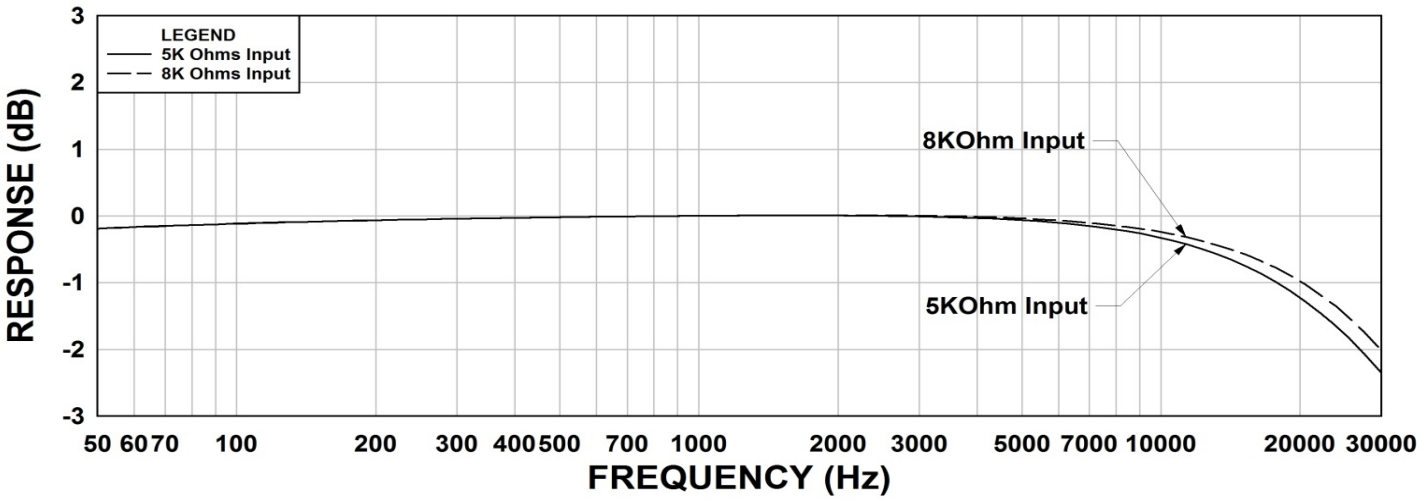
**The results are typical and are subject to normal manufacturing and electrical tolerances.

## TYPICAL TEST CIRCUIT

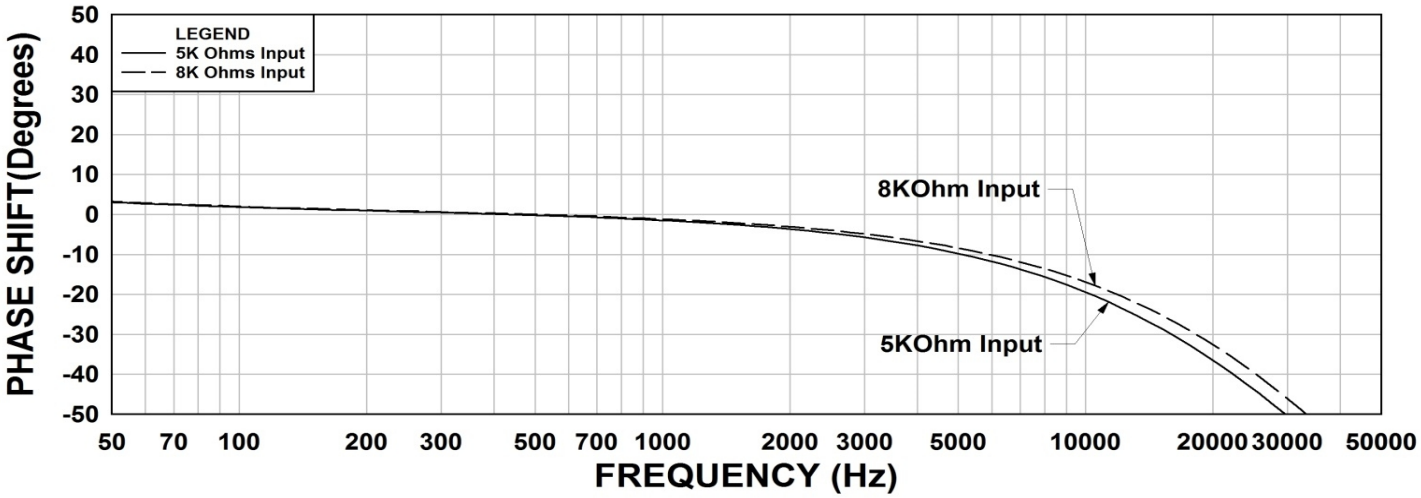



Release 2: 02.12.2021

## 1750C Frequency Response RL = 3.2 Ohms




## 1750C Phase Shift RL = 3.2 Ohms




## 1750C THD+N RL = 3.2 Ohms