

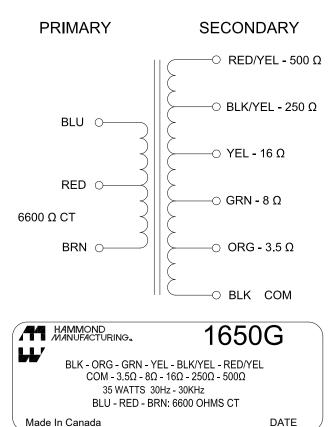
# 1650G

#### HI-FI AUDIO OUTPUT MULTIPLE SECONDARY TRANSFORMER

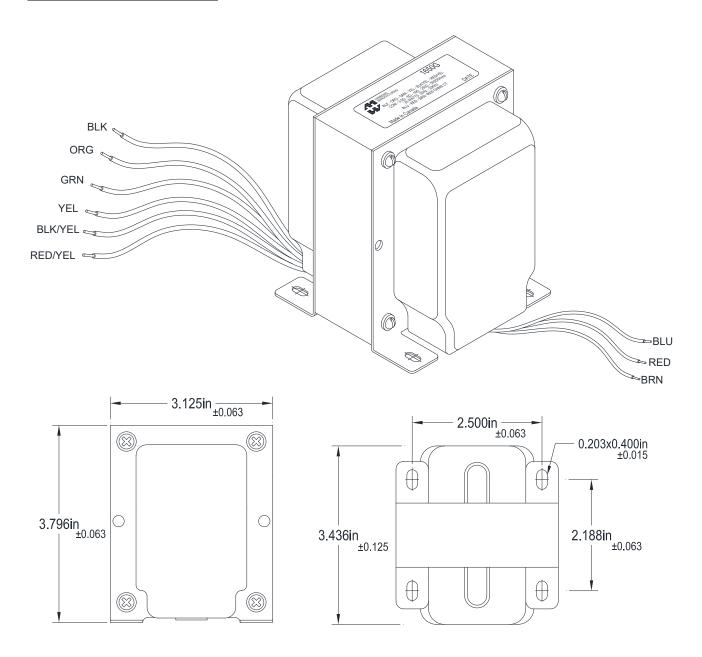
- NEW & improved version of our 1608-1650 Series multiple secondary output transformers (Re-designed secondaries for easy hook-up of secondary loads).
- Designed for push-pull tube output circuits.
- Units are designed to provide ample "headroom" at bass frequencies (Note the weight of each transformer).
- Wide range of outputs at 3.5, 8, 16, 250 & 500 ohms.
- Enclosed (shielded), 4 slot, above chassis Type "X" mounting.
- Manufactured with plastic coil forms for coil support and insulation.
- Frequency response 30Hz. to 30Khz (+/- 2db max. ref. 1Khz) minimum.
- Insulated flexible leads 8" min.
- Typical applications Push-Pull: triode, Ultra-Linear pentode, pentode and tetrode connected audio output.

ELECTRICAL SPECIFICATIONS		
Characteristic	Typical	
Input Impedance	6600 Ohms	
Output Impedance	3.5, 8, 16, 250 & 500 Ohms	
Output Power	35 Watts	
DCR		
Primary Blue-Red	56.93 Ohms	
Primary Red-Brown	60.95 Ohms	
Secondary Black-Orange	0.259 Ohm	
Secondary Black-Green	0.364 Ohm	
Secondary Black-Yellow	0.498 Ohm	
Secondary Black-Blk/Yellow	6.727 Ohms	
Secondary Black-Red/Yel	9.550 Ohms	
Inductance   Impedance	@ 60Hz, 10.0V OC	
Primary Blue-Brown	40.8H	15.85KOhm
Leakage Inductance	@ 60Hz, 10.0V SC	
Primary Blue-Brown	29.70mH	
Dielectric Strength	2000Vrms	
Temperature Range	-40 To 105°C	

#### **SCHEMATIC**



#### **DIMENSIONAL DETAILS:**

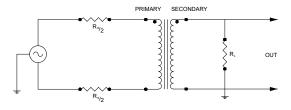


### **TEST CONDITIONS**

Measurement Instruments: dScope Series III Audio Analyzer Wayne Kerr 3255B with a 3265B Inductance Analyzer HP 4192a LF Impedance Analyzer Keithley 2010 DVM

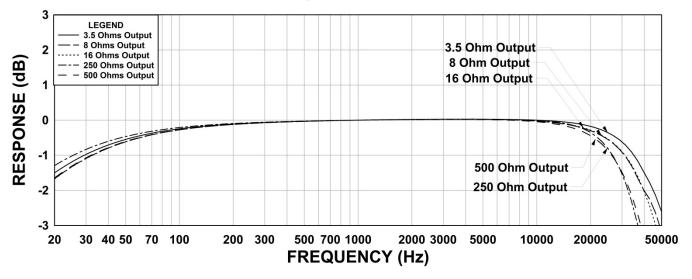
- \* All graphs input level 27dBu @1.0KHz reference.
- \*\*The results are typical and are subject to normal manufacturing and electrical tolerances.

#### TYPICAL TEST CIRCUIT

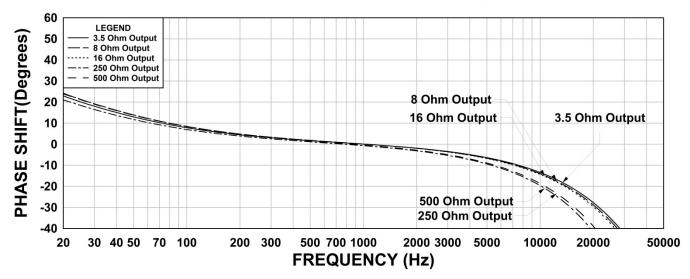


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# 1650G Frequency Response RS = 6600 Ohms



#### 1650G Phase Shift RS = 6600 Ohms



## 1650G THD+N RS = 6600 Ohms

