

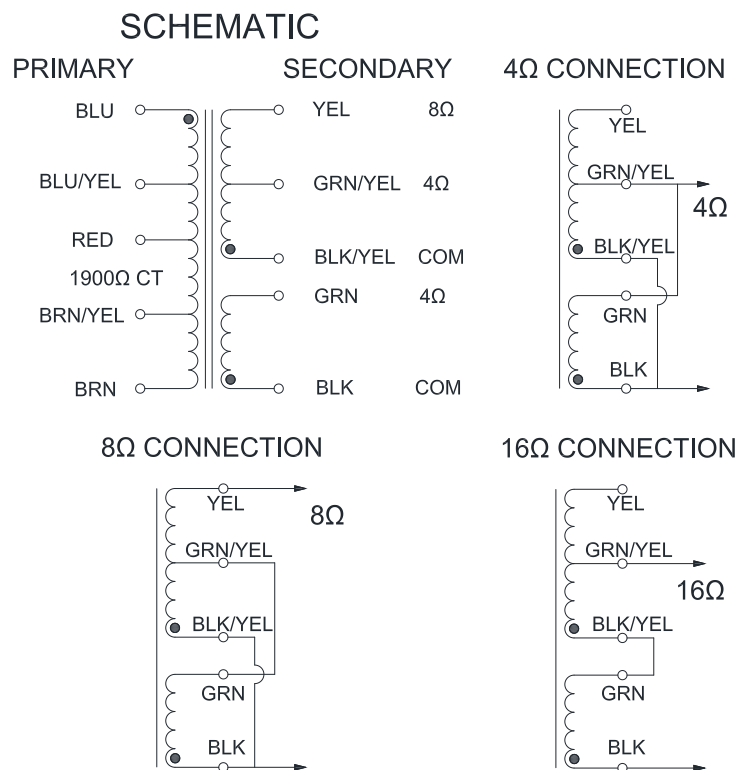


1650W

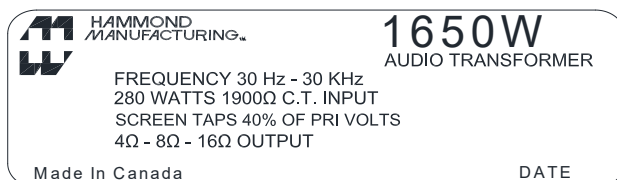
"CLASSIC" PUSH-PULL TUBE TYPE ULTRA-LINEAR OUTPUT TRANSFORMERS

- Designed for push-pull tube output circuits.
- Enclosed (shielded), 4 slot, above chassis Type "X" mounting.
- Frequency response 30 Hz. to 30 KHz. at full rated power (+/- 1 db max. - ref. 1 KHz) minimum.
- Insulated flexible leads 8" min.
- Manufactured with plastic coil forms for coil support and insulation.
- Typical applications - Push-Pull: triode, Ultra-Linear pentode, pentode and tetrode connected audio output.
- Due to the unique interleaving of the windings BOTH secondary windings must be engaged to meet specifications (see hook-up diagrams below).
- Suggested tube types: 6L6GC, 5881, EL34, 6550B, KT88

ELECTRICAL SPECIFICATIONS	
Characteristic	Typical
Input Impedance	1900 Ohms
Output Impedance	4, 8 & 16 Ohms
Output Power	280 Watts
DCR	
Primary Blue-Red	16.15 Ohms
Primary Red-Brown	18.10 Ohms
Secondary Black-Green	0.165 Ohm
Secondary Black/Yel-Yel	0.209 Ohm
Inductance Impedance @ 60Hz, 10.0V OC	
Primary Brown-Red	122H 63KOhm
Leakage Inductance @ 60Hz, 10.0V SC	
Primary Brown-Red	3.56mH
Dielectric Strength 1500Vrms	
Temperature Range -40 To 105°C	

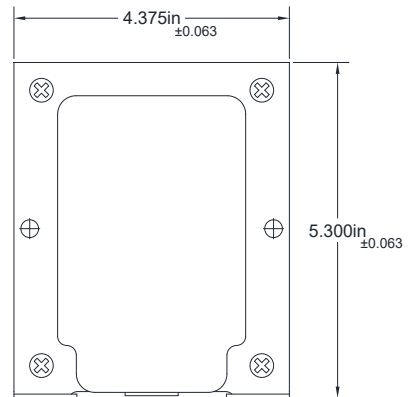
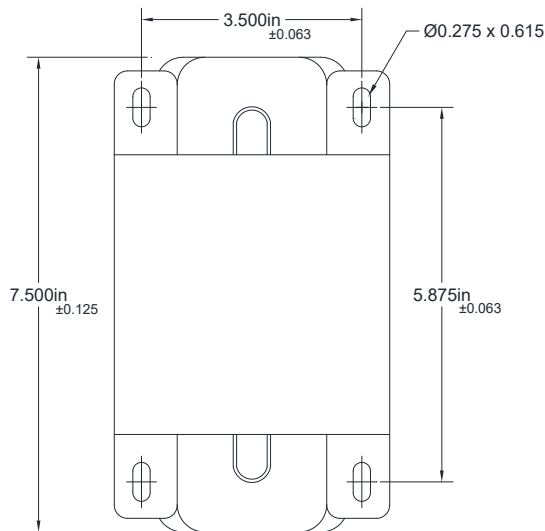
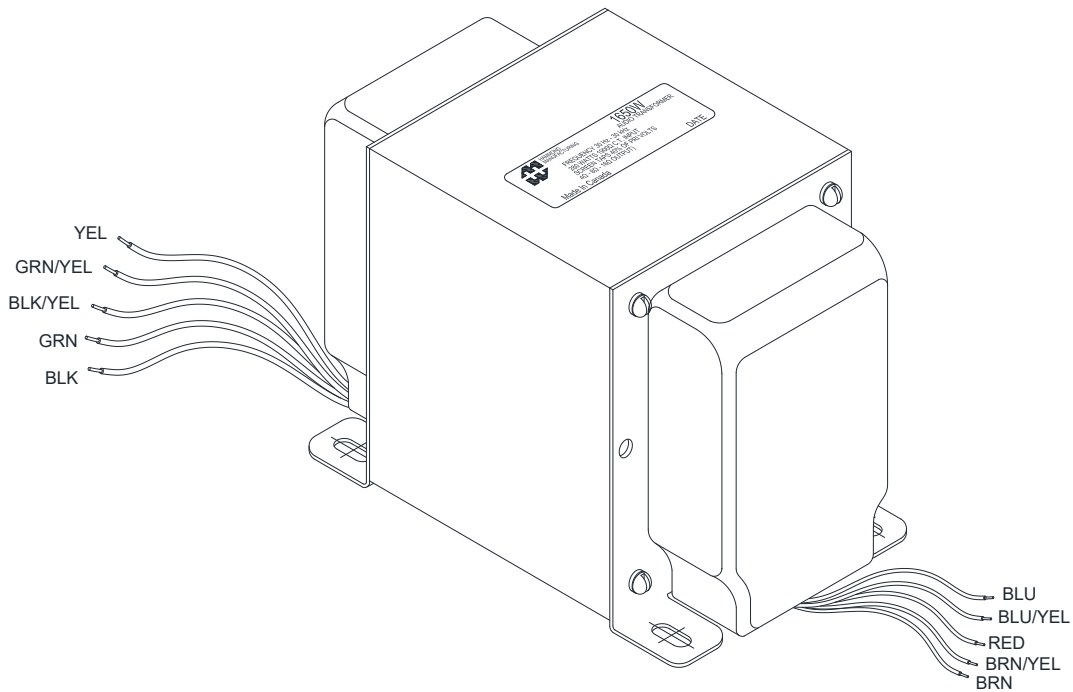


LABEL:



Note: The above examples of possible combinations are to help you narrow down the choices of transformers for your favorite tube types. How you operate the tubes (push-pull, push-pull parallel, ultra-linear, class, B+, bias, operating points, etc.) will change optimum plate to plate load 4040 watts manufacturer's technical data sheets should be consulted first, before making a decision on a proper output transformer.

DIMENSIONAL DETAILS:

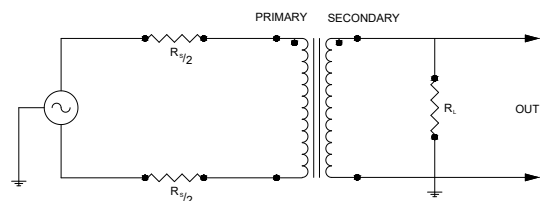


TEST CONDITIONS

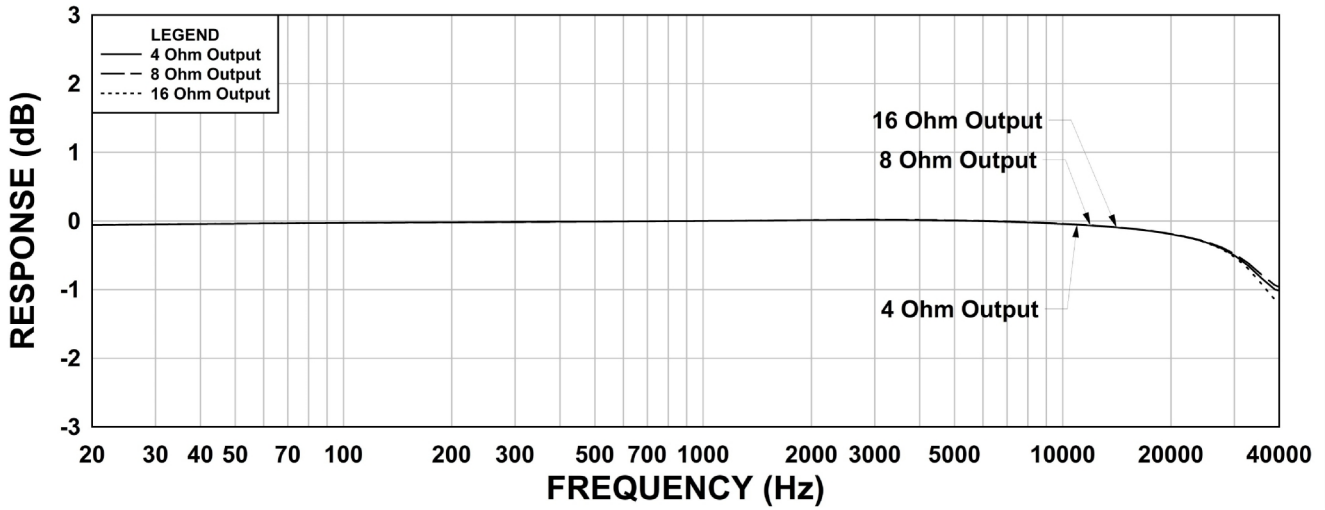
Measurement Instruments:
 dScope Series III Audio Analyzer
 Wayne Kerr 3255B with a 3265B Inductance Analyzer
 HP 4192a LF Impedance Analyzer
 Keithley 2010 DVM

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

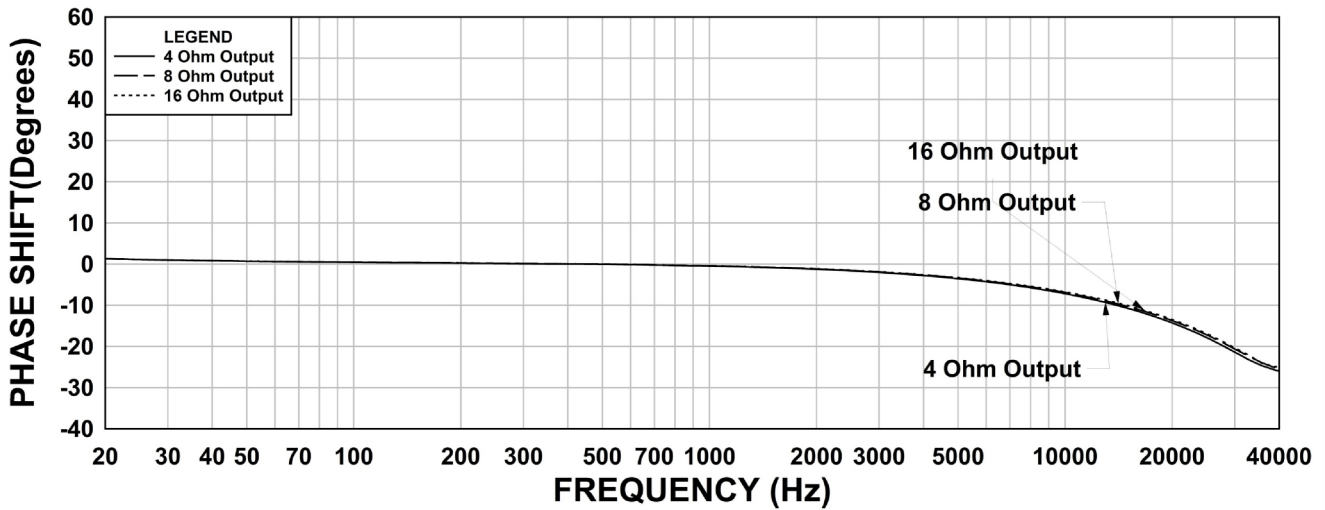
TYPICAL TEST CIRCUIT



1650W Frequency Response RS = 1900 Ohms



1650W Phase Shift RS = 1900 Ohms



1650W THD+N RS = 1900 Ohms

