

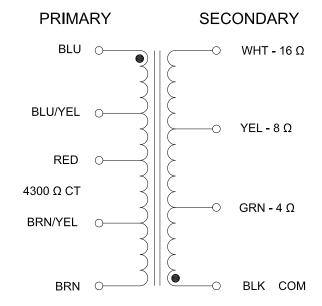
1650NA

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).
- Enclosed (shielded), 4 slot, above chassis Type "X" mounting.
- Manufactured with plastic coil forms for coil support and insulation.
- Frequency response 30Hz. to 30Khz (+/- 1db max. ref. 1Khz) minimum.
- Insulated flexible leads 8" min.
- Typical applications Push-Pull: triode, Ultra-Linear pentode, pentode and tetrode connected audio output.

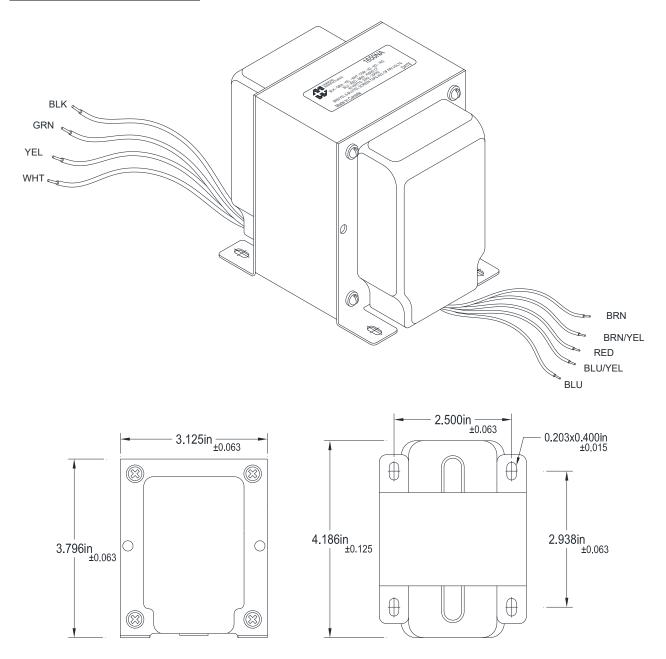
ELECTRICAL SPECIFICATIONS	
Characteristic	Typical
Input Impedance	4300 Ohms
Output Impedance	4, 8 & 16 Ohms
Output Power	60 Watts
DCR	
Primary Blue-Red	37.19 Ohms
Primary Red-Brown	42.17 Ohms
Secondary Black-Green	0.244 Ohm
Secondary Black-Yellow	0.377 Ohm
Secondary Black-White	0.490 Ohm
Inductance Impedance	@ 60Hz, 10.0V OC
Primary Blue-Brown	85.5H 40.6KOhm
Leakage Inductance	@ 60Hz, 10.0V SC
Primary Blue-Brown	7.20mH
Dielectric Strength	2000Vrms
Temperature Range	-40 To 105°C

SCHEMATIC





DIMENSIONAL DETAILS:

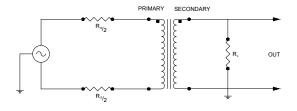


TEST CONDITIONS

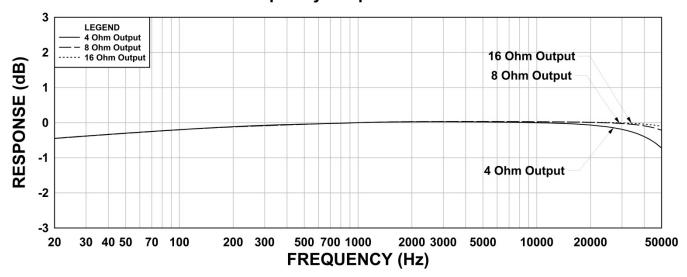
Measurement Instruments: dScope Series III Audio Analyzer Wayne Kerr 3255B with a 3265B Inductance Analyzer HP 4192a LF Impedance Analyzer Keithley 2010 DVM

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

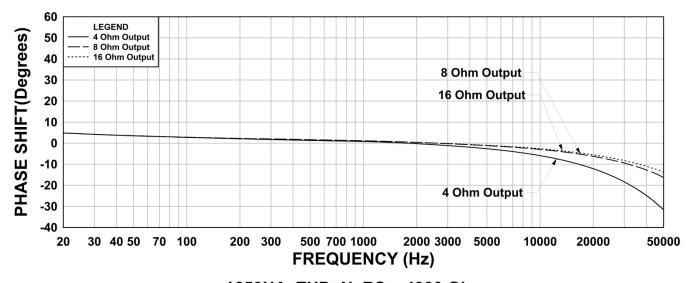
TYPICAL TEST CIRCUIT



1650NA Frequency Response RS = 4300 Ohms



1650NA Phase Shift RS = 4300 Ohms



1650NA THD+N RS = 4300 Ohms

