

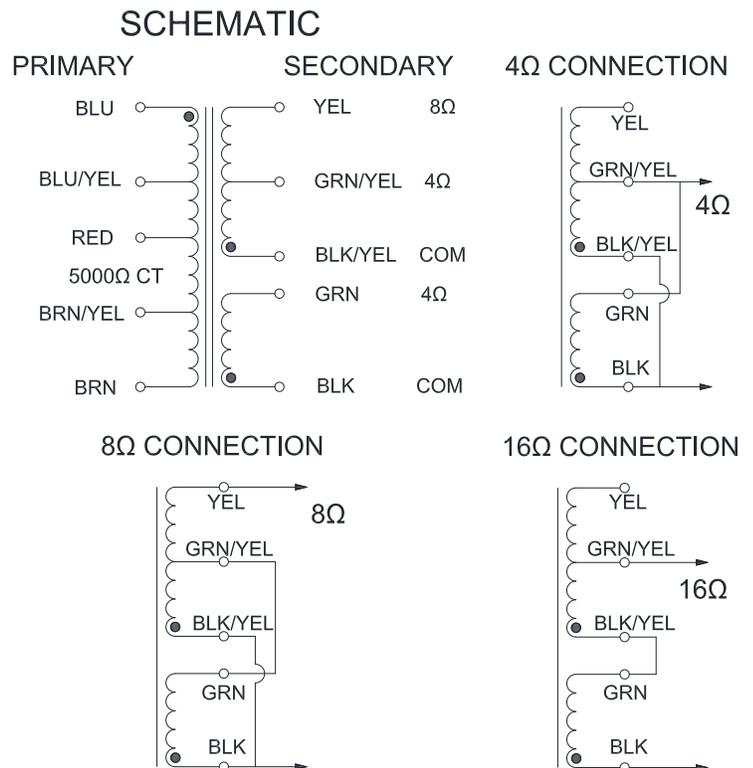


1620

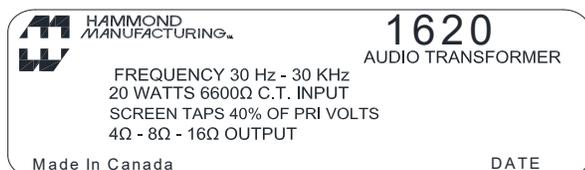
"CLASSIC" PUSH-PULL TUBE TYPE ULTRA-LINEAR OUTPUT TRANSFORMERS

- 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 9" 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: 6AQ5, 6L6, 6V6

| ELECTRICAL SPECIFICATIONS | |
|--|----------------|
| Characteristic | Typical |
| Input Impedance | 6600 Ohms |
| Output Impedance | 4, 8 & 16 Ohms |
| Output Power | 20 Watts |
| DCR | |
| Primary Brown-Red | 65.40 Ohms |
| Primary Red-Blue | 74.60 Ohms |
| Secondary Black-Green | 0.310 Ohm |
| Secondary Black/Yel-Yel | 0.500 Ohm |
| Inductance Impedance @ 60Hz, 10.0V OC | |
| Primary Brown-Red | 212H 93KOhm |
| Leakage Inductance @ 60Hz, 10.0V SC | |
| Primary Brown-Red | 9.20mH |
| Dielectric Strength 2000Vrms | |
| Temperature Range -40 To 105°C | |

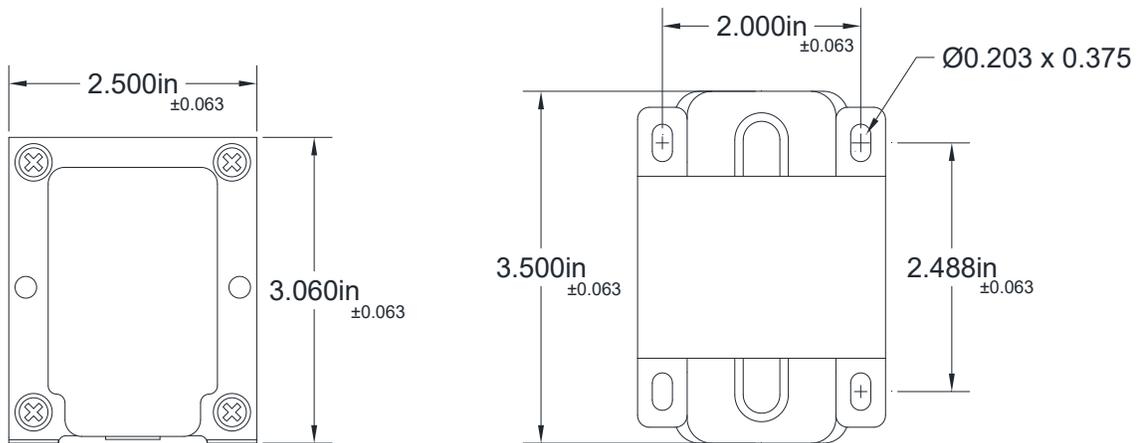
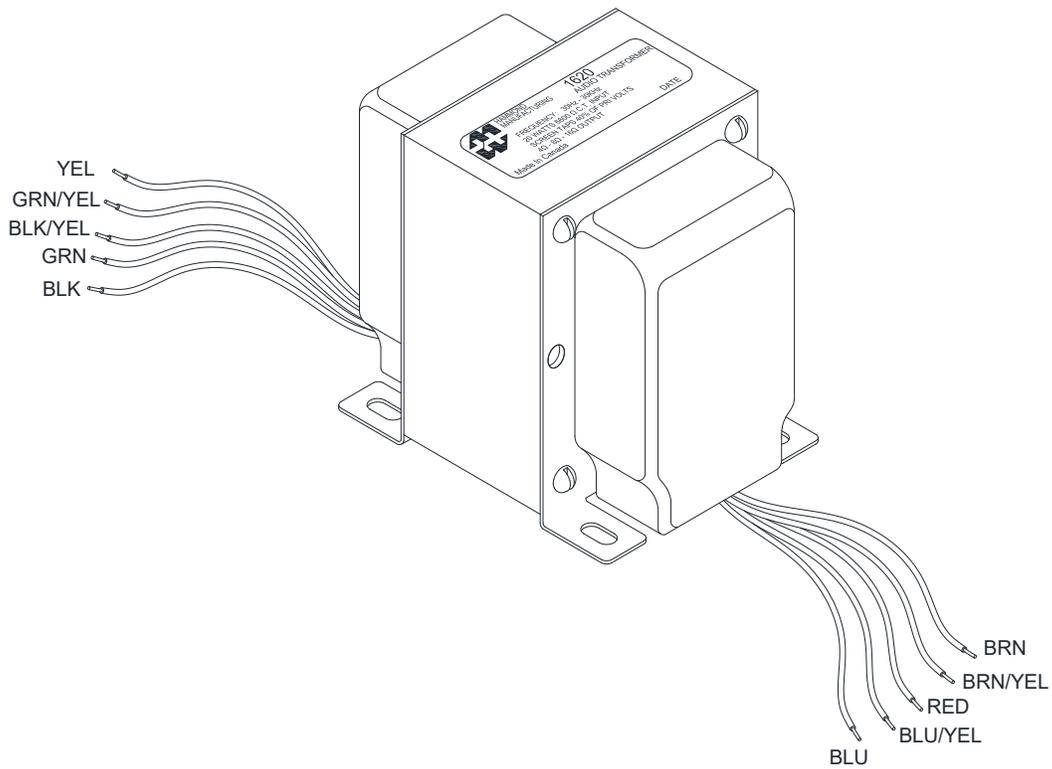


LABEL:



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 impedance. Only a few of the most popular tubes are shown. As more tubes become available we will add them to the list. A tube manual or tube manufacturer's technical data sheets should be consulted first, before making a decision on a proper output transformer.

DIMENSIONAL DETAILS:

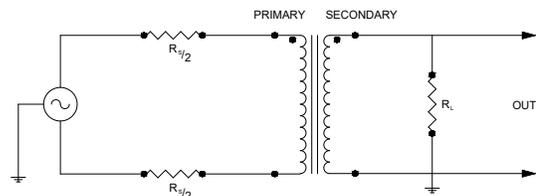


TEST CONDITIONS

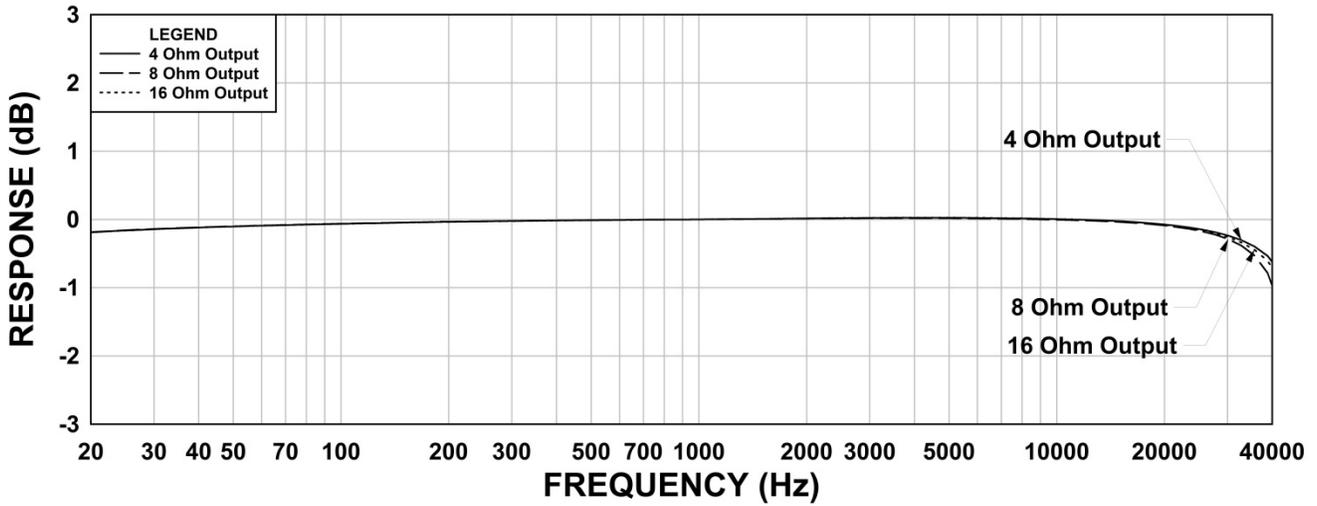
Measurement Instruments:
 dScope Series III Audio Analyzer
 Wayne Kerr 3255B with a 3265B Inductance Analyzer
 HP 4192a LF Impedance Analyzer
 Keithley 2010 DVM

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

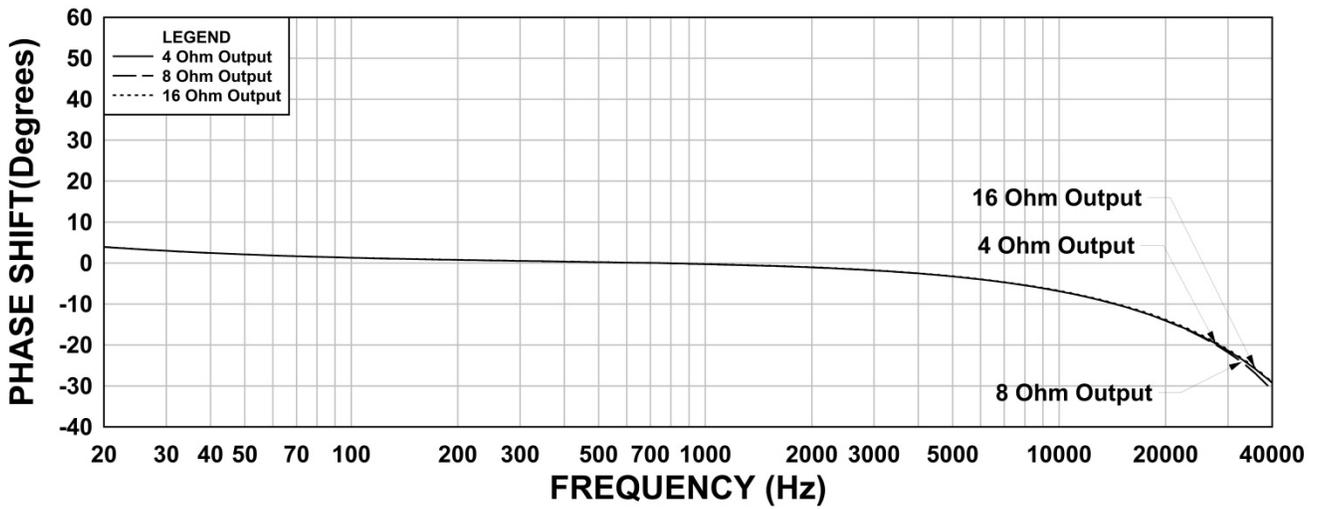
TYPICAL TEST CIRCUIT



1620 Frequency Response RS = 6600 Ohms



Phase Shift



1620 THD+N RS = 6600 Ohms

