


1608

"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, 6V6, 6BQ5, EL84, SV83

| ELECTRICAL SPECIFICATIONS | |
|---|----------------|
| Characteristic | Typical |
| Input Impedance | 8000 Ohms |
| Output Impedance | 4, 8 & 16 Ohms |
| Output Power | 10 Watts |
| DCR | |
| Primary Brown-Red | 94.00 Ohms |
| Primary Red-Blue | 109.3 Ohms |
| Secondary Black-Green | 0.330 Ohm |
| Secondary Black/Yel-Yel | 0.540 Ohm |
| Inductance Impedance @ 60Hz, 10.0V OC | |
| Primary Brown-Red | 174H 79KOhm |
| Leakage Inductance @ 60Hz, 10.0V SC | |
| Primary Brown-Red | 11.80mH |
| Dielectric Strength 2000Vrms | |
| Temperature Range -40 To 105°C | |

LABEL:

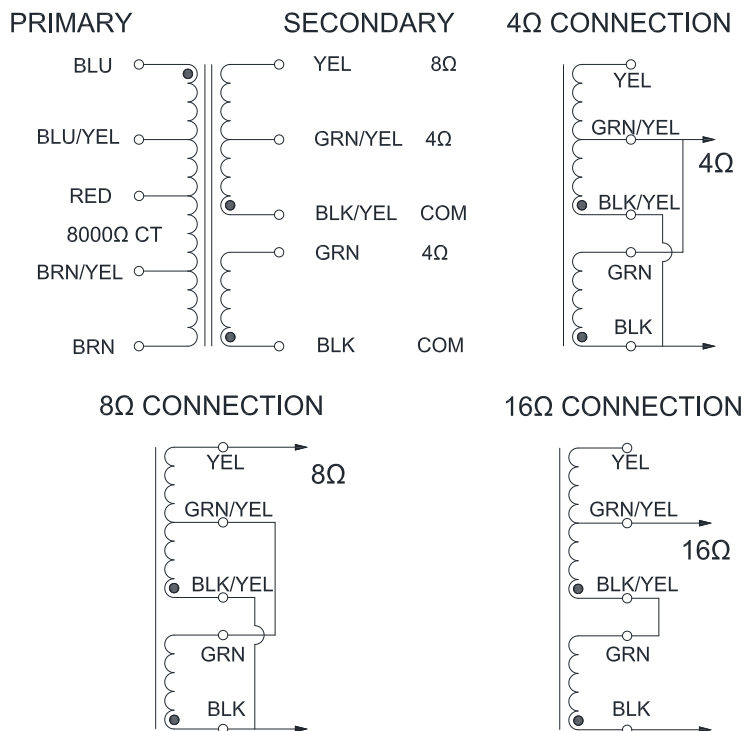


1608
AUDIO TRANSFORMER

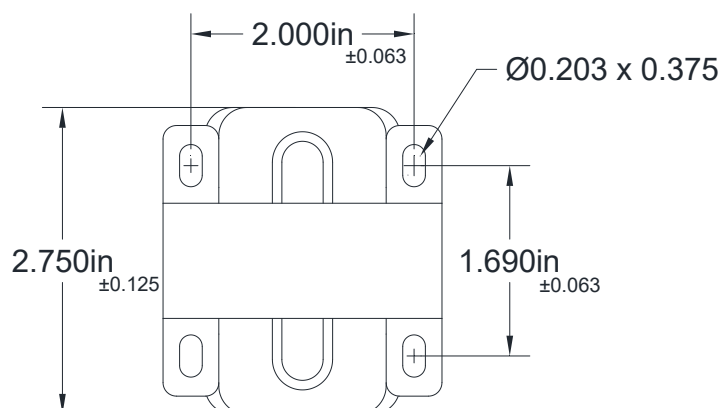
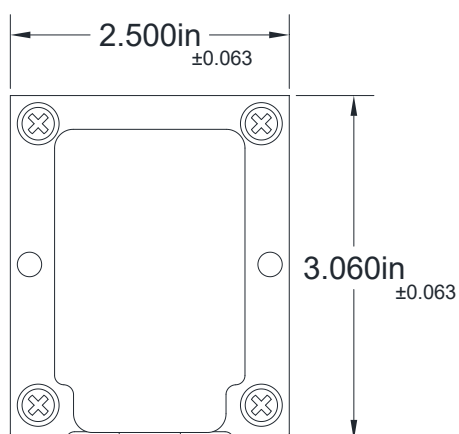
FREQUENCY 30 Hz - 30 KHz
15 WATTS 5000Ω C.T. INPUT
SCREEN TAPS 40% OF PRI VOLTS
4Ω - 8Ω - 16Ω OUTPUT

Made In Canada
DATE

SCHEMATIC



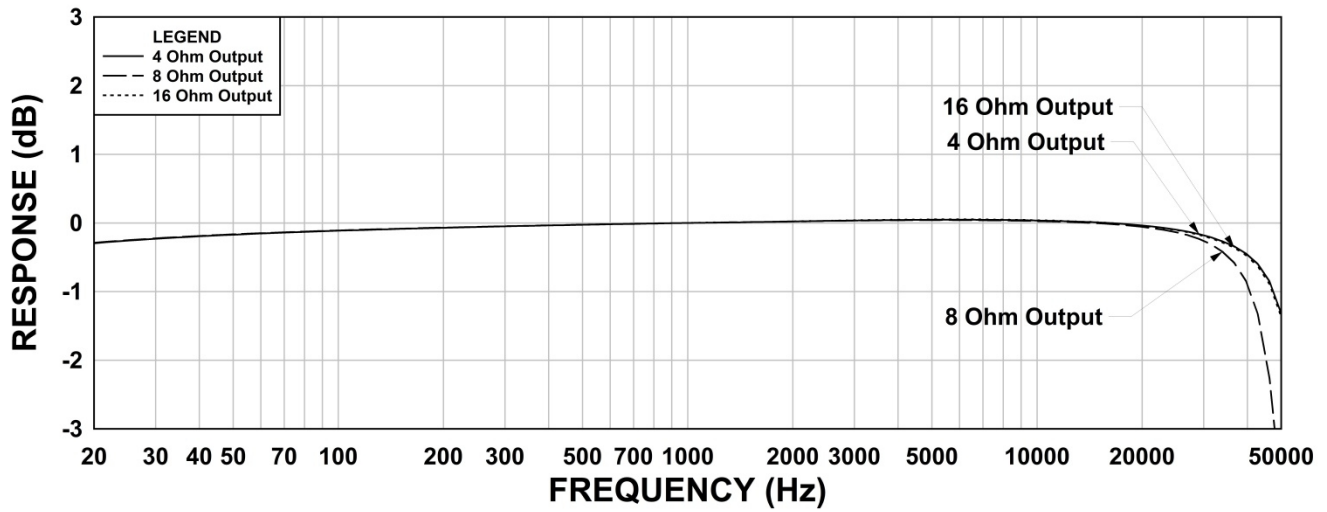
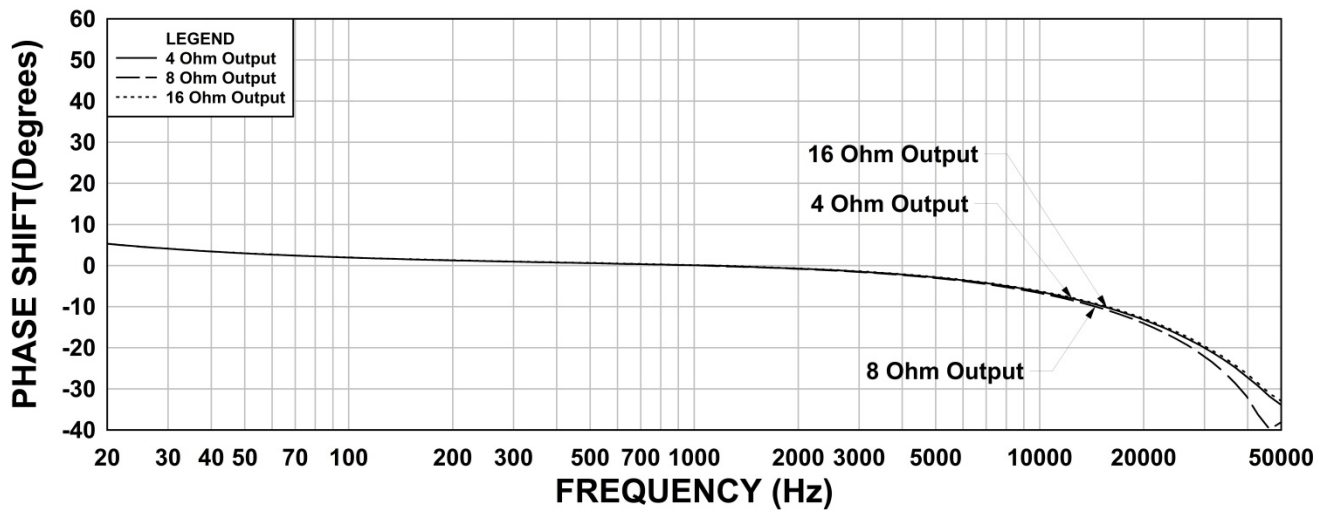
Note: The above examples of possible combinations are to help you narrow down the choices of transformers for your favorite tube types. How you operate the tubes (push-pull, push-pull parallel, ultra-linear, class, B+, bias, operating points, etc.) will change optimum plate to plate load impedance. Only 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.

[illegible]

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

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

The diagram shows a transformer with a primary winding and a secondary winding. The primary winding is connected to an AC voltage source (represented by a circle with a sine wave) through a series resistor labeled $R_{s/2}$. The secondary winding is connected to a load resistor labeled R_L in a shunt configuration. The output terminals are labeled "OUT". The transformer is labeled "PRIMARY" and "SECONDARY" above the respective windings.

1608 Frequency Response RS = 8K Ohms**1608 Phase Shift RS = 8K Ohms****1608 THD+N RS = 8K Ohms**