Hammond Mfg. Co. Ltd., Electronics Division

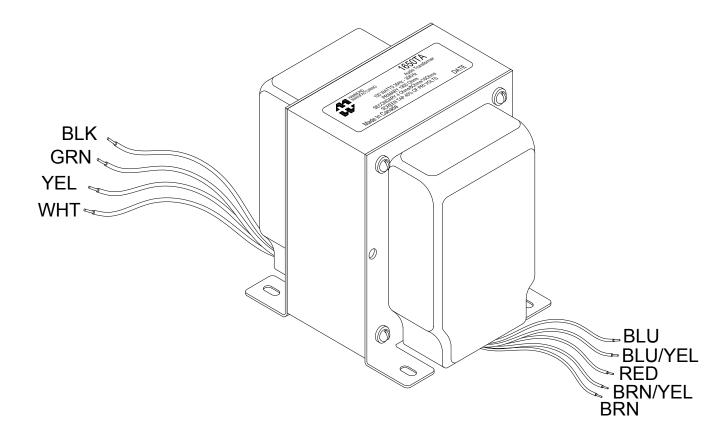


www.hammondmfg.com

1650TA

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).
- All models have a secondary tapped for 4, 8 or 16 ohm outputs.
- Enclosed (shielded), 4 slot, above chassis Type "X" mounting.
- Manufactured with plastic coil forms for coil support and insulation.
- Frequency response 30Hz. to 30Khz. at full rated power (+/- 1db max. ref. 1Khz) minimum.
- Insulated flexible leads 8" min.
- Included 40% screen taps for Ultra-Linear operation (if desired).
- Typical applications Push-Pull: triode, Ultra-Linear pentode, pentode and tetrode connected audio output.



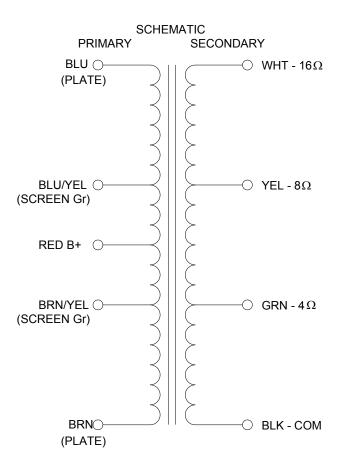
*For Full Dimensional Details see page 4

www.hammondmfg.com

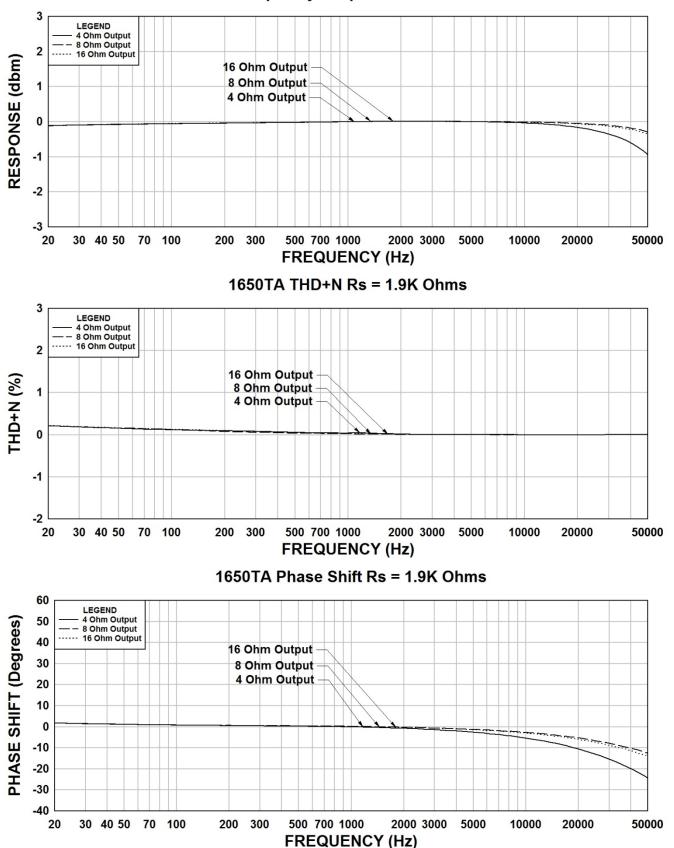
1650TA ELECTRICAL SPECIFICATIONS**

Schematic and Hook Up Data

Characteristic	Typical
Input Impedance	1900Ω
Output Impedance	4Ω/8Ω/16Ω
Output Power	120Watts
· ·	
Primary - DCR	
Blue – Brown	47.0Ω
Secondary DCR	
Black – Green	221m Ω
Black – Yellow	294mΩ
Black – White	370mΩ
Leakage Inductance	@ 1.0kHz, 1.0V SC
Primary – Blue – Brown	63.72mH
Inductance	@ 1.0kHz, 1.0V OC
Primary – Blue – Brown	11.2Hy
Black – Green	229.6mH
Black – Yellow	282.1mH
Black – White	399.6mH
Impedance	@ 1.0kHz, 1.0V OC
Primary – Blue – Brown	71ΚΩ
Black – Green	505.2Ω
Black – Yellow	922.8Ω
Black – White	1554.0Ω
	See graphs for specific
E	response, Typ. ±1.0db from
Frequency Response	30Hz to 30KHz
Dielectric Strength	2000Vrms
Temperature Range	-40 To 105°C



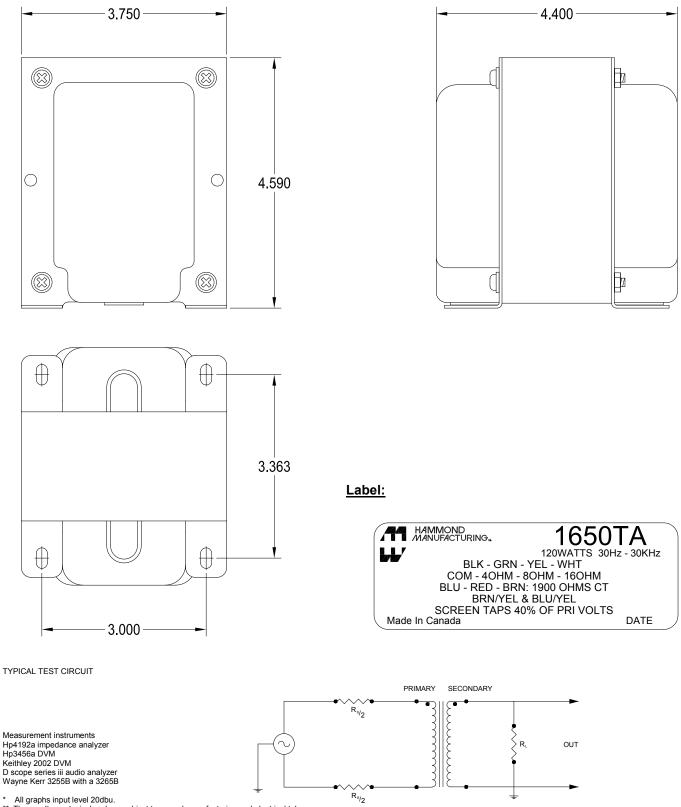
www.hammondmfg.com



1650TA Frequency Response Rs = 1.9K Ohms

www.hammondmfg.com

Dimensional Details:



All graphs input level 20dbu.
** The results are typical and are subject to normal manufacturing and electrical tolerances.

This drawing and the information in it is the property of Hammond Manufacturing. It may not be reproduced, transmitted or used in any manner whatsoever without the written permission of Hammond Manufacturing. Data subject to change without notice.