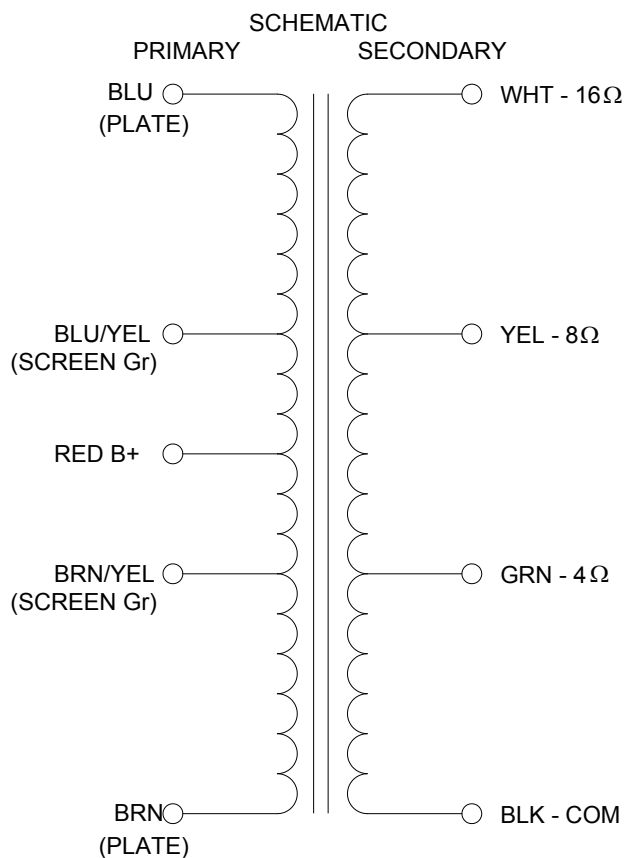
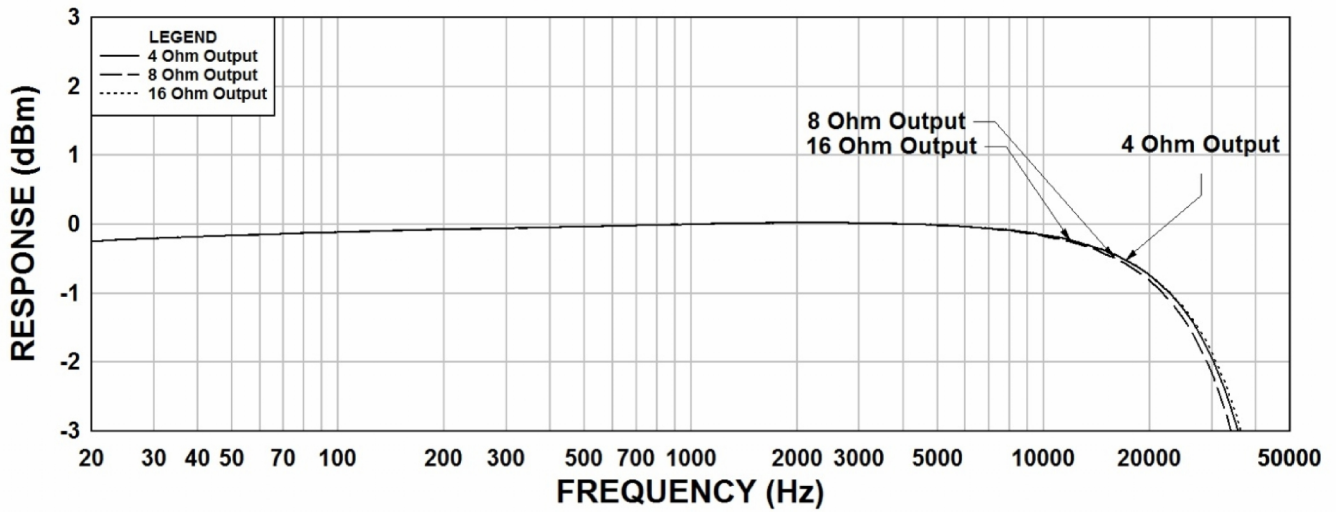


1650E ELECTRICAL SPECIFICATIONS****Schematic and Hook Up Data**

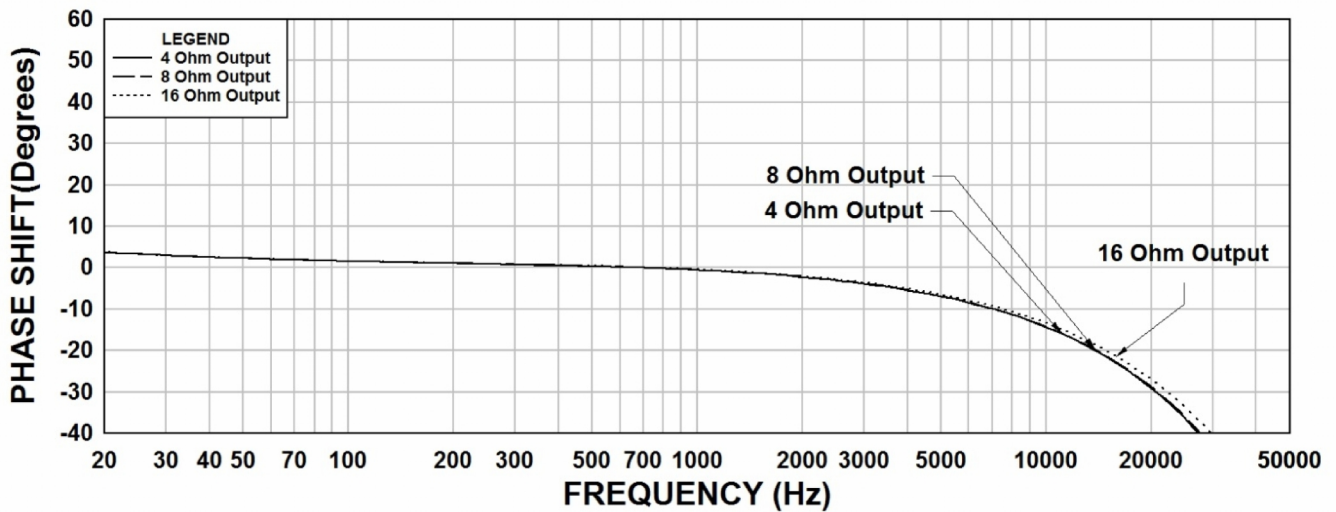
Characteristic	Typical
Input Impedance	8000 Ω
Output Impedance	4 Ω /8 Ω /16 Ω
Output Power	15Watts
Primary - DCR	
Blue – Brown	212.3 Ω
Secondary DCR	
Black – Green	306m Ω
Black – Yellow	153m Ω
Black – White	218m Ω
Leakage Inductance	@ 1.0kHz, 1.0V SC
Primary – Blue – Brown	337.5mH
Inductance	@ 1.0kHz, 1.0V OC
Primary – Blue – Brown	53.3.2Hy
Impedance	@ 1.0kHz, 1.0V OC
Primary – Blue – Brown	413.9K Ω
Black – Green	111.8 Ω
Black – Yellow	238.2 Ω
Black – White	494.2 Ω
Frequency Response	See graphs for specific response, Typ. ± 1.0 db from 30Hz to 30KHz
Dielectric Strength	2000Vrms
Temperature Range	-40 To 105°C



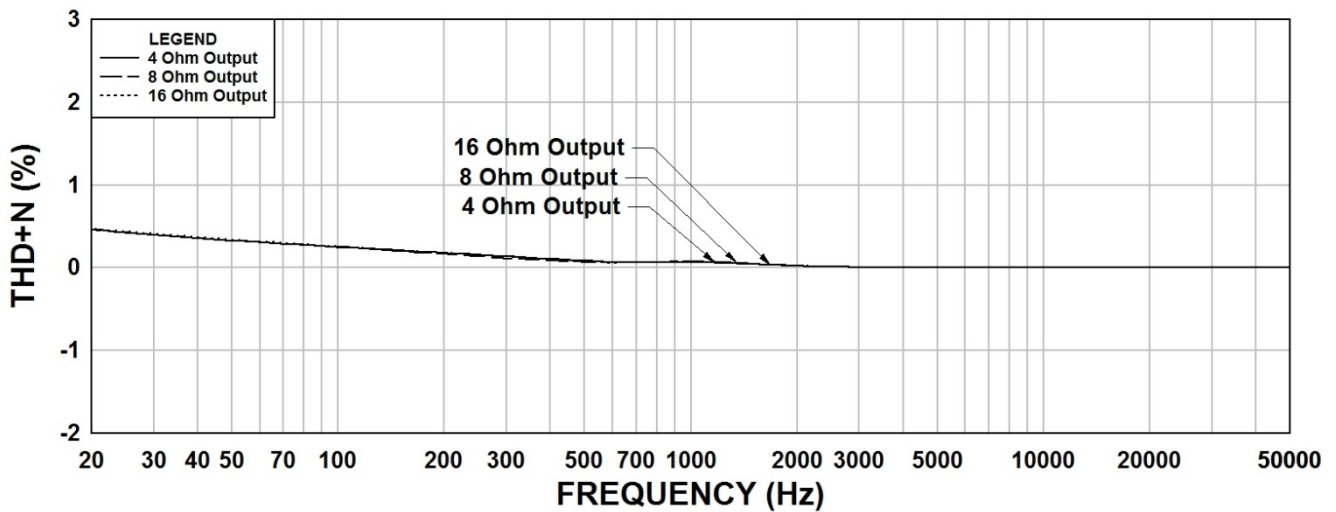
1650E Frequency Response $R_s = 8K$ Ohms



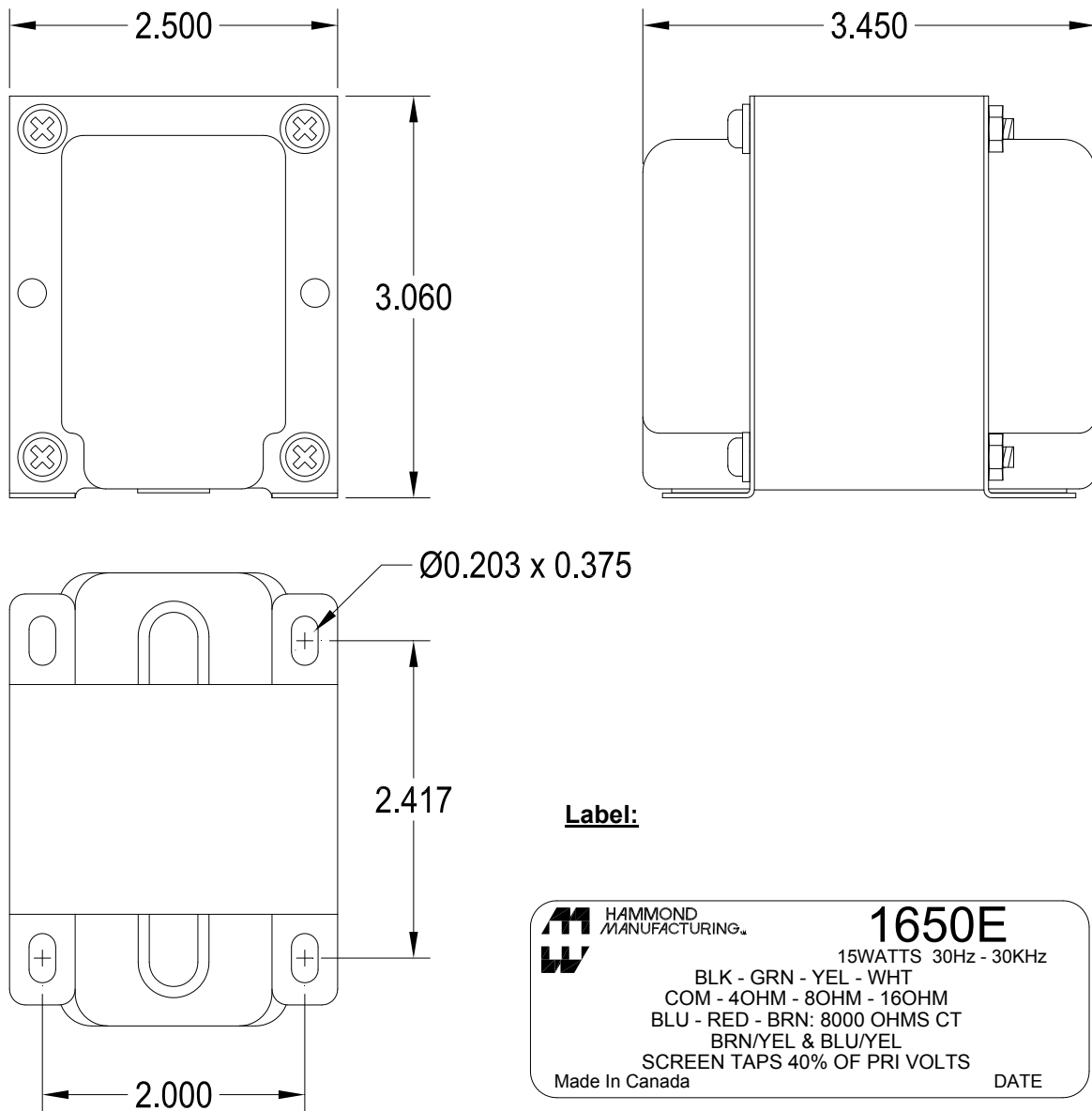
1650E Phase Shift $R_s = 8K$ Ohms



1650E THD+N $R_s = 8K$ Ohms

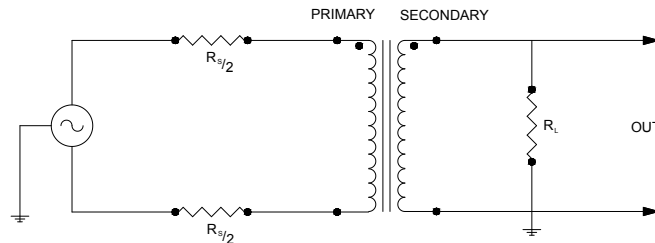


Dimensional Details:



TYPICAL TEST CIRCUIT

Measurement instruments
 Hp4192a impedance analyzer
 Hp3456a DVM
 Keithley 2002 DVM
 D scope series iii audio analyzer
 Wayne Kerr 3255B with a 3265B



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