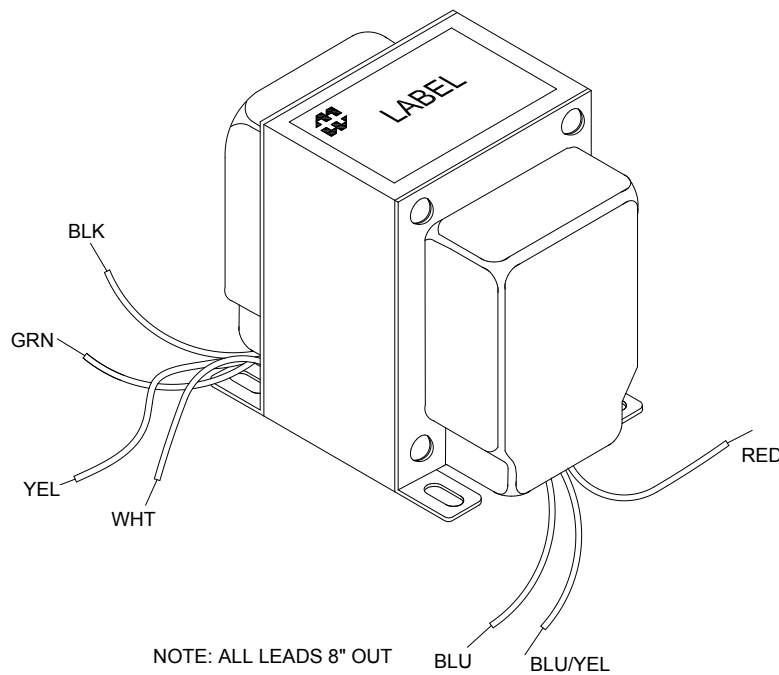





1627SEA

SINGLE ENDED "CLASSIC" TUBE OUTPUT TRANSFORMER – ULTRA-LINEAR

- Over designed" for high fidelity, single ended, Class-A, tube output circuits (triode, tetrode or pentode tubes).
- Enclosed (shielded), four slot, chassis Type "X" mounting.
- Frequency response at least 20 Hz. to 20 Khz. at full rated power (+/- 1 db max., ref. 1 Khz.)
- Insulated flexible leads 8" min.
- For maximum versatility, all units (except the 1642SE & 1638SEA) include a 40% screen tap for Ultra-Linear, tetrode/pentode operation (if desired). The 1642SE & 1638SEA do NOT include this screen tap as they were designed principally for high impedance triode tubes.
- High quality laminations, (M6) grain oriented silicon steel.
- Core is gapped to reduce core saturation in Class-A tube amplifier circuits.
- For general purpose or replacement use in single ended tube output circuits see our [125SE Series](#).

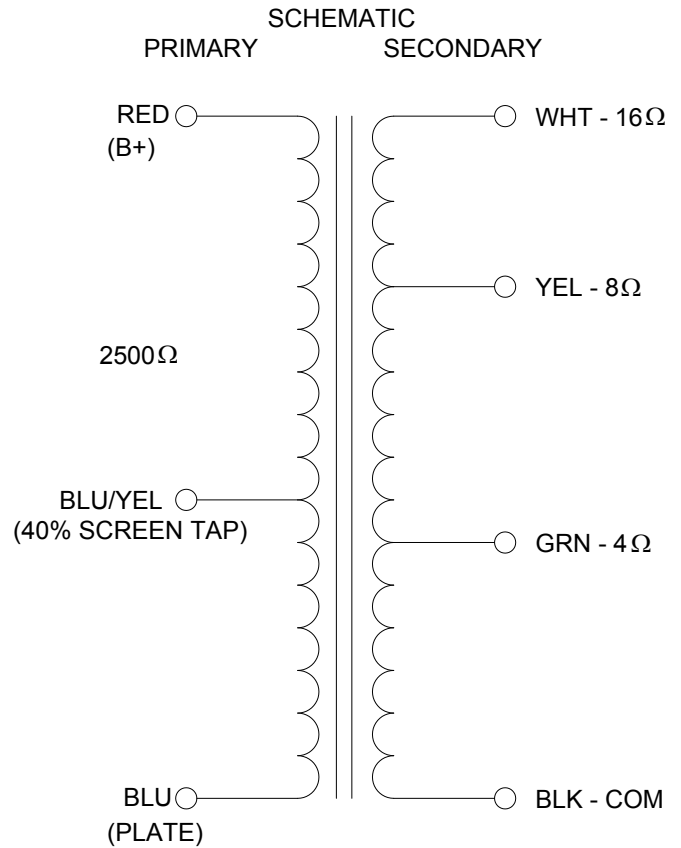


	HAMMOND MANUFACTURING™	1627SEA
	30 WATTS 20Hz - 20kHz SECONDARY: 4/8/16 Ohm Primary: 2500 Ohms SCREEN TAP 40% of PRI VOLTS	
DATE CODE		MADE IN CANADA

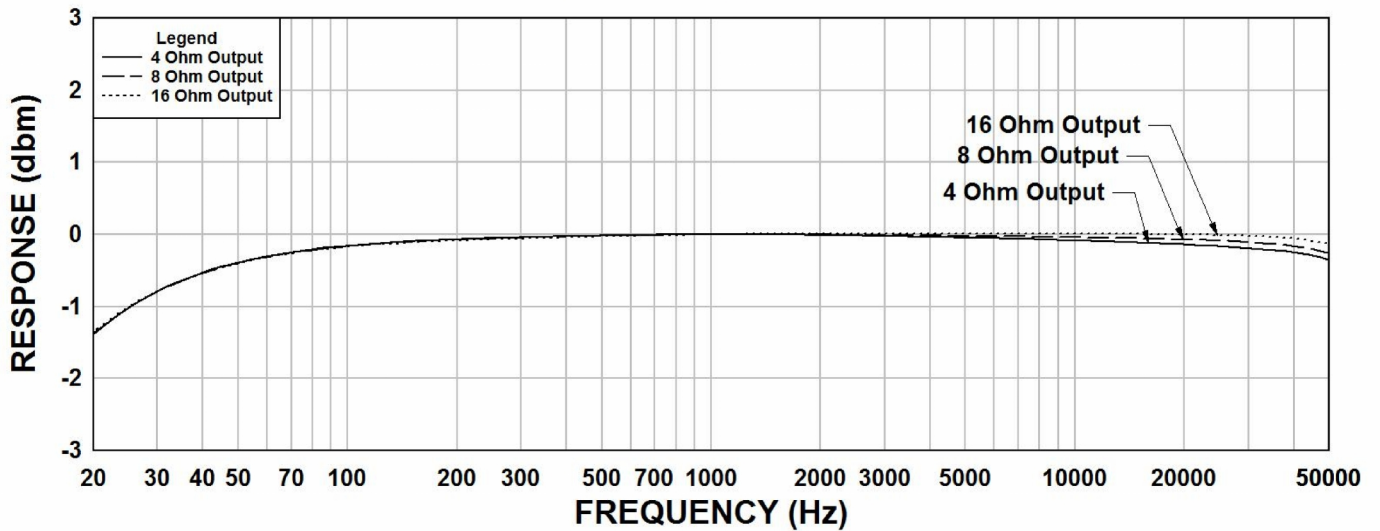
*For Full Dimensional Details see page 4

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

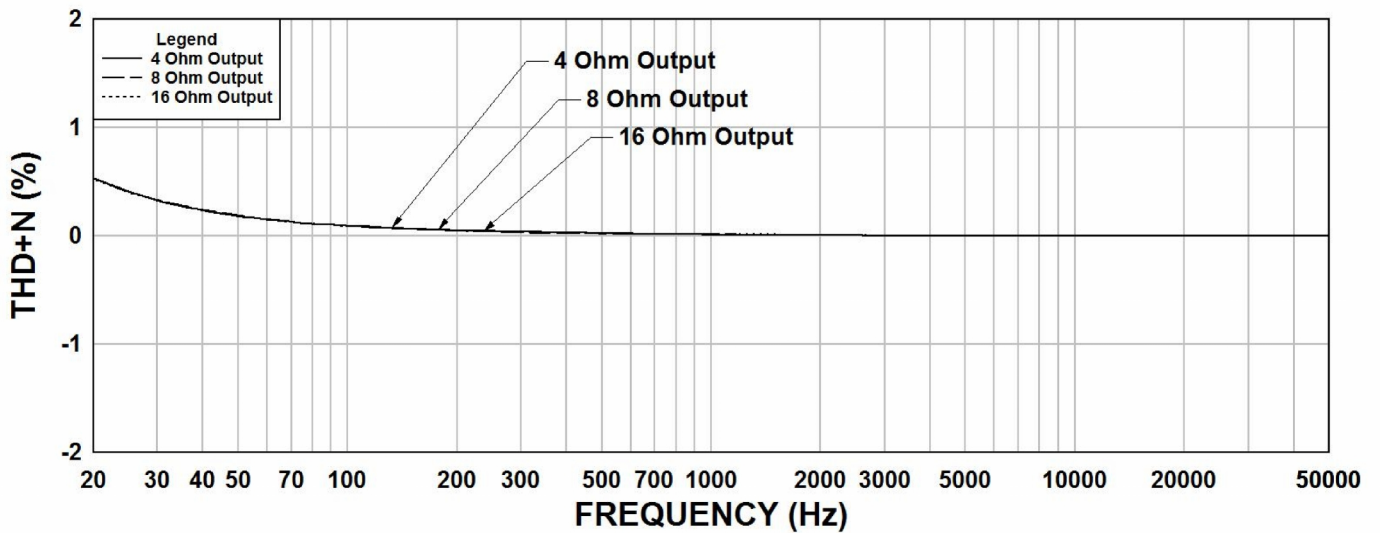
<u>Characteristic</u>	<u>Typical</u>
Input Impedance	2500 Ω
Output Impedance	4/8/16 Ω
Output Power	30 Watts
Primary - DCR	
Blue – Brown	77.5 Ω
Secondary DCR	
Black – Green	413 m Ω
Black – Yellow	517 m Ω
Black – White	724 m Ω
Inductance	@ 1.0 kHz, 1.0 V OC
Primary – Blue – Brown	7.94 Hy
Black – Green	23.5 mH
Black – Yellow	41.2 mH
Black – White	87.9 mH
Impedance	@ 1.0 kHz, 1.0 V OC
Primary – Blue – Brown	49.5 K Ω
Black – Green	140 Ω
Black – Yellow	275 Ω
Black – White	520 Ω
Frequency Response	See graphs for specific response, Typ. ± 1.0 db from 20Hz to 20KHz
Dielectric Strength	2000Vrms
Temperature Range	-40 To 105°C



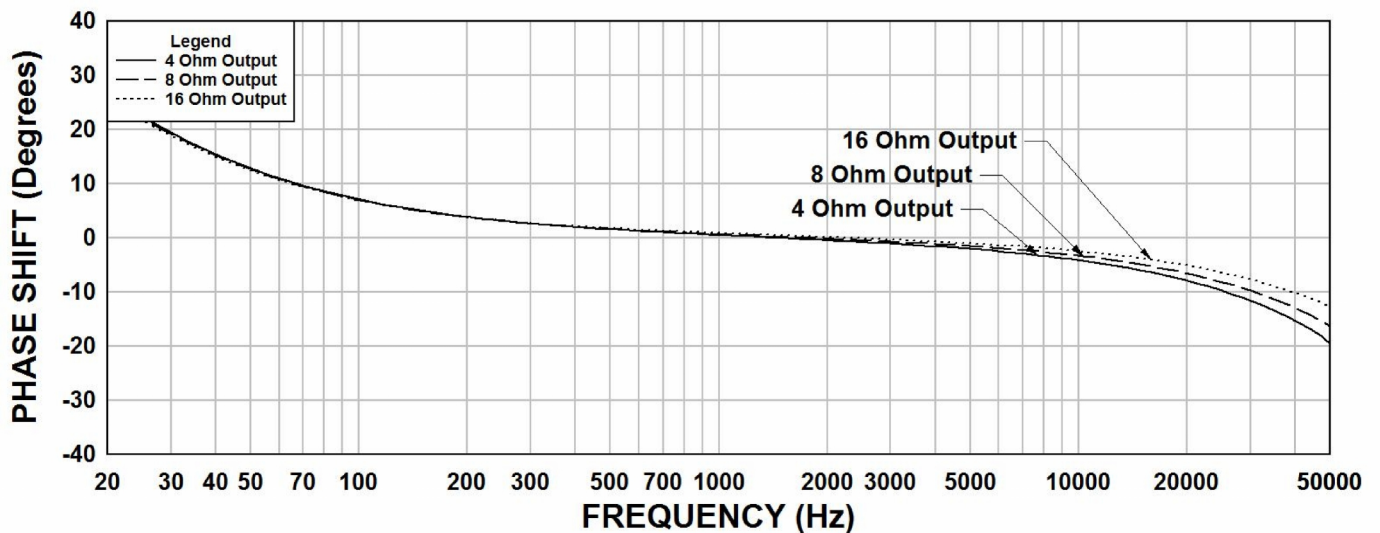
1627 SEA Frequency Response $R_s = 2500$ Ohms

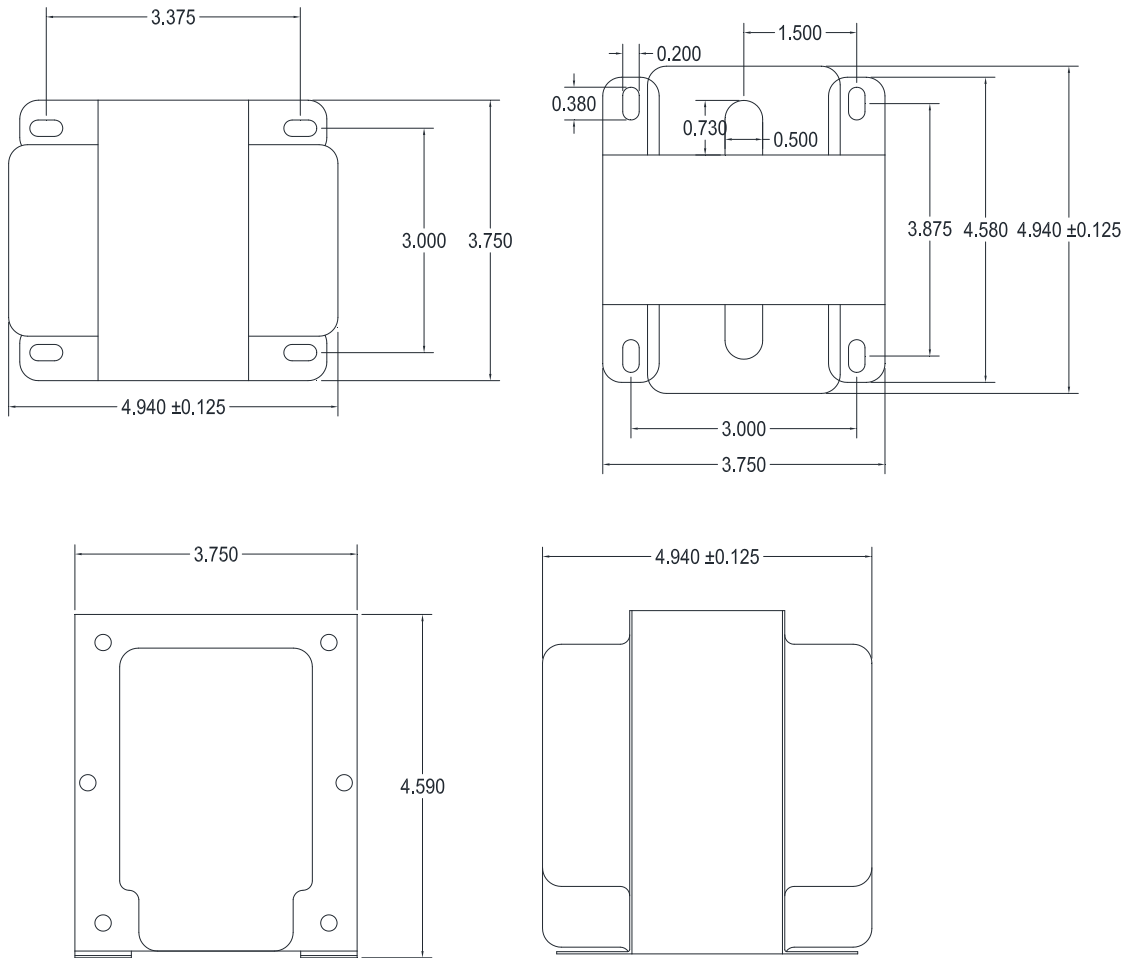


1627SEA THD+N $R_s = 2500$ Ohms

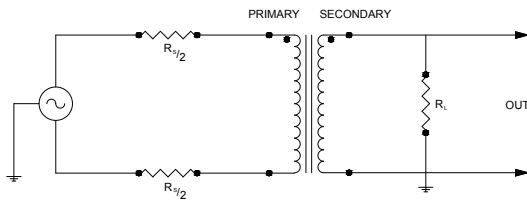


1627SEA Phase Shift $R_s = 2500$ Ohms





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.

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