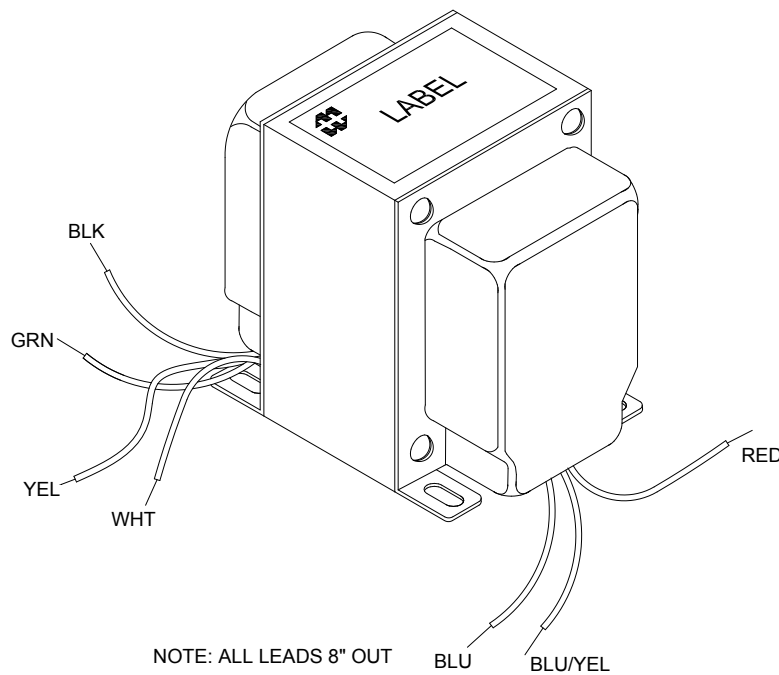




1628SEA

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 (+/- 1.5 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](#).

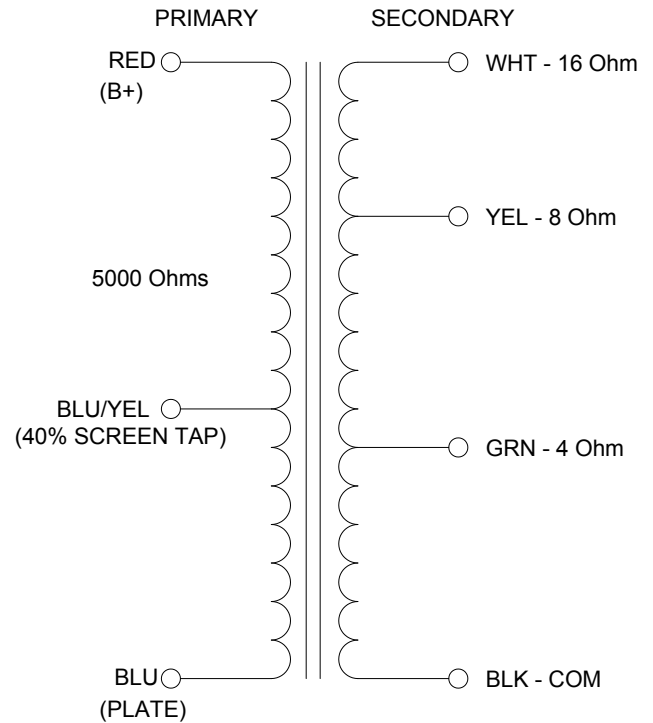


	HAMMOND MANUFACTURING™	1628SEA
	30 WATTS 20Hz - 20kHz SECONDARY: 4/8/16 Ohm Primary: 5000 Ohms SCREEN TAP 40% of PRI VOLTS	
DATE CODE		MADE IN CANADA

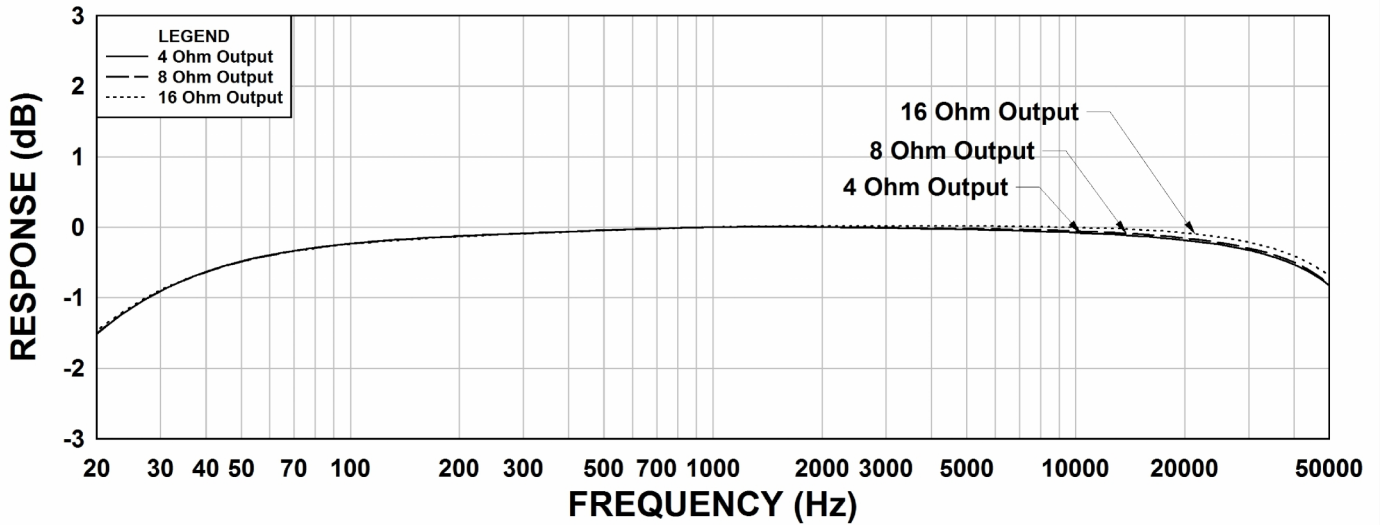
*For Full Dimensional Details see page 4

ELECTRICAL SPECIFICATIONS**

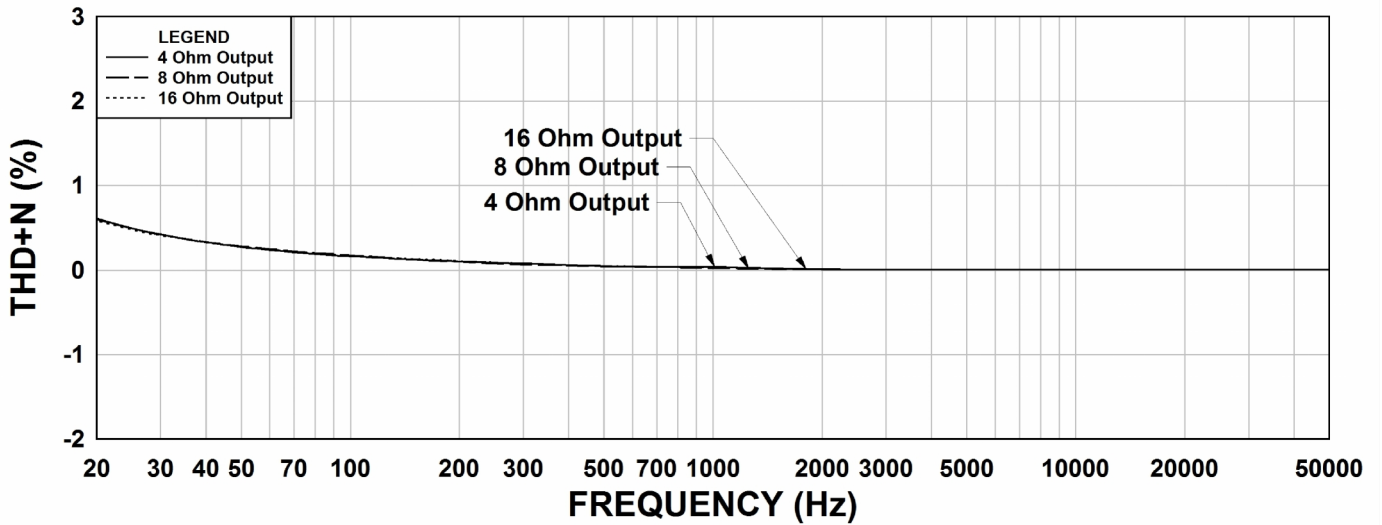
<u>Characteristic</u>	<u>Typical</u>
Input Impedance	5000 Ohms
Output Impedance	4/8/16 Ohm
Output Power	30 Watts
Primary - DCR	
Blue – Brown	171 Ohms
Secondary DCR	
Black – Green	413 mOhm
Black – Yellow	514 mOhm
Black – White	720 mOhm
Inductance	@ 1.0 kHz, 1.0 V OC
Primary – Blue – Brown	16.2 Hy
Black – Green	37.2 mH
Black – Yellow	69.0 mH
Black – White	120 mH
Impedance	@ 1.0 kHz, 1.0 V OC
Primary – Blue – Brown	100 KOhms
Black – Green	140 Ohm
Black – Yellow	360 Ohm
Black – White	646 Ohm
Frequency Response	See graphs for specific response
Dielectric Strength	2000Vrms
Temperature Range	-40 To 105°C

Schematic and Hook Up Data

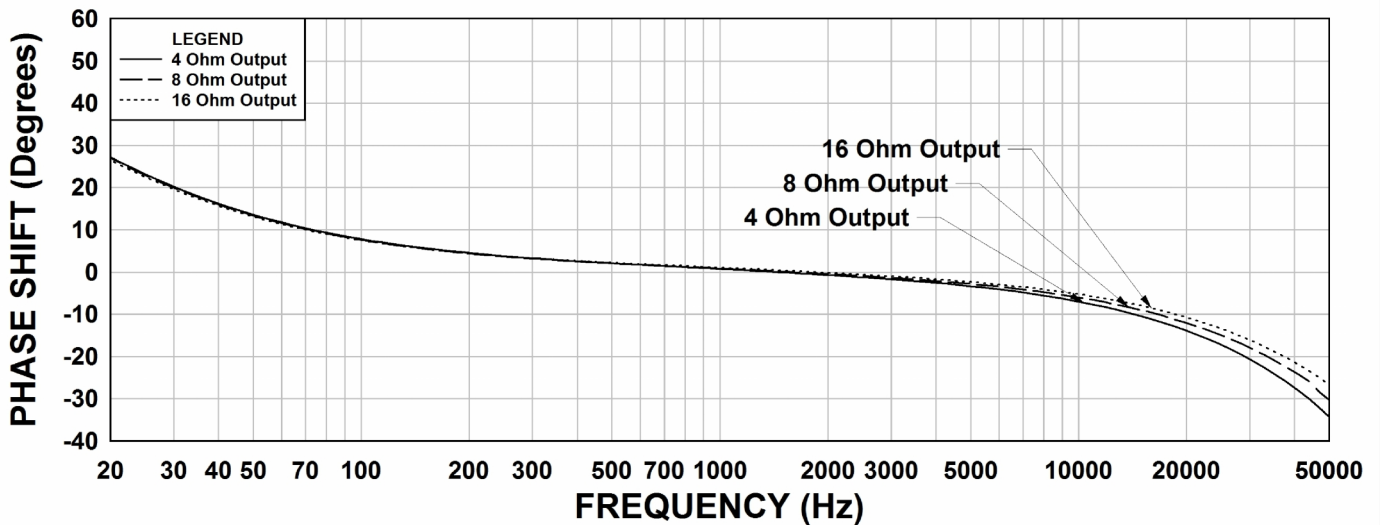
1628SEA Frequency Response RS = 5K Ohms

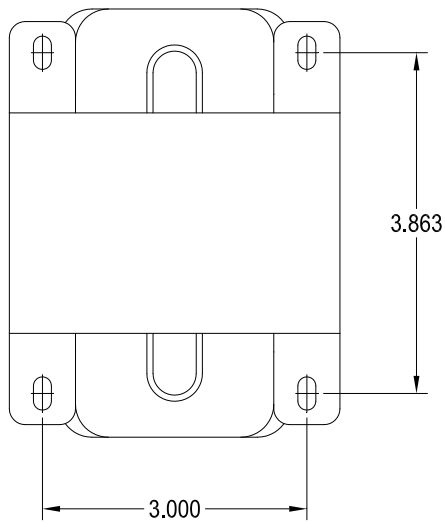
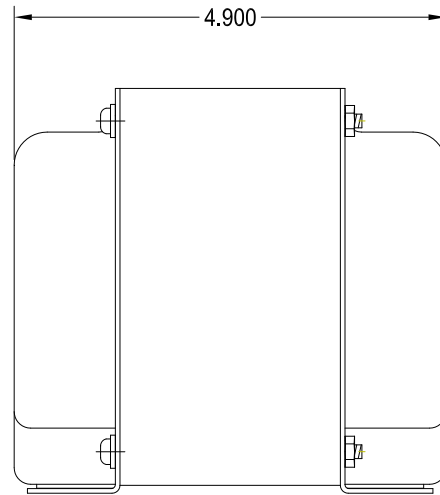
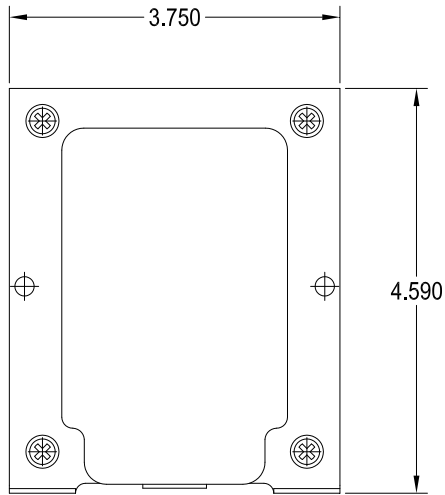


1628SEA THD+N RS = 5K Ohms

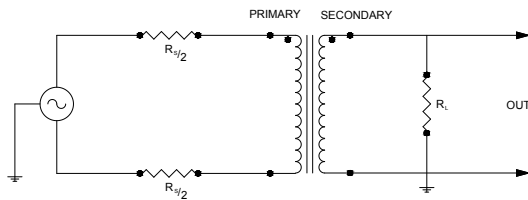


1628SEA Phase Shift RS = 5K Ohms





TYPICAL TEST CIRCUIT



Measurement instruments
 Hp4192a impedance analyzer
 Keithley 2010 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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