



HAMMOND MANUFACTURING

Hammond Mfg. Co. Ltd., Electronics Division

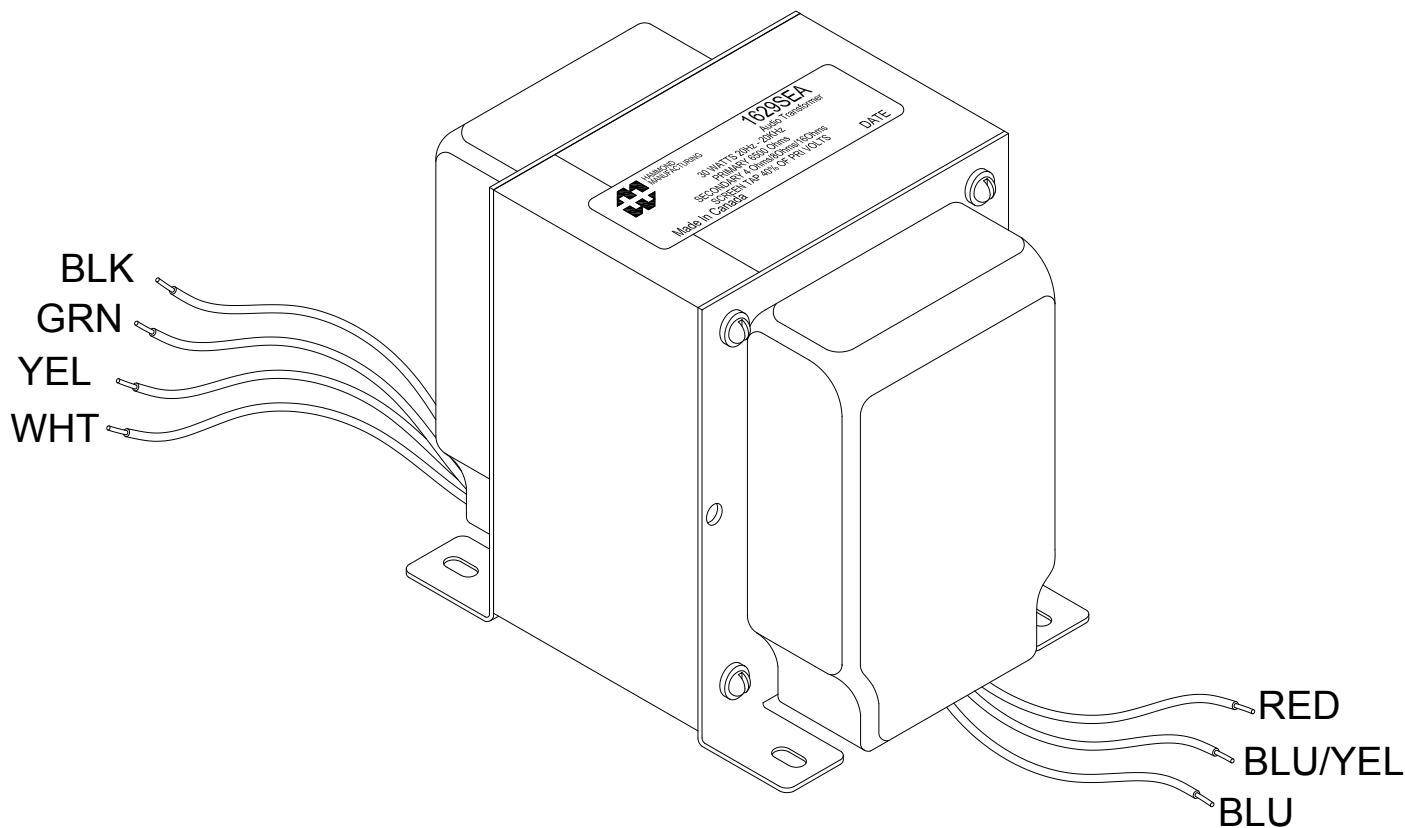
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1629SEA

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 20Hz. to 20Khz. at full rated power (+/- 1db max., ref. 1Khz.)
- 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](#).

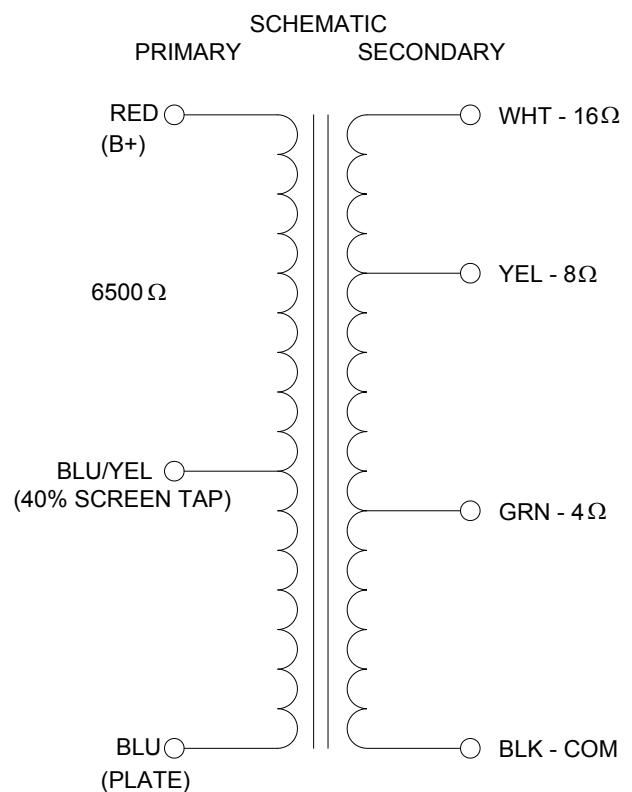


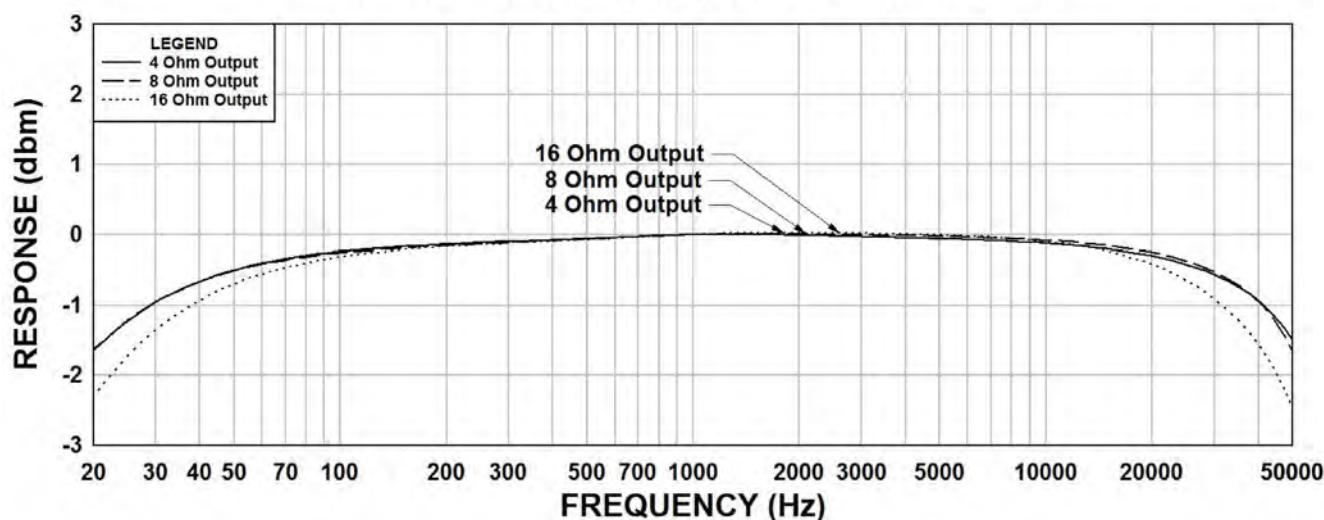
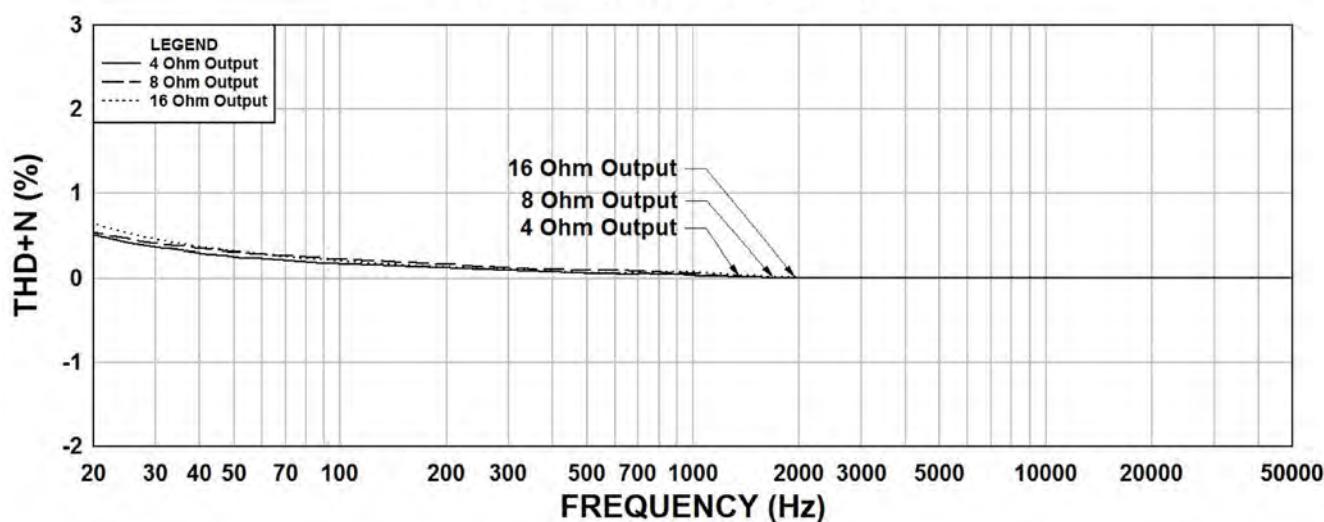
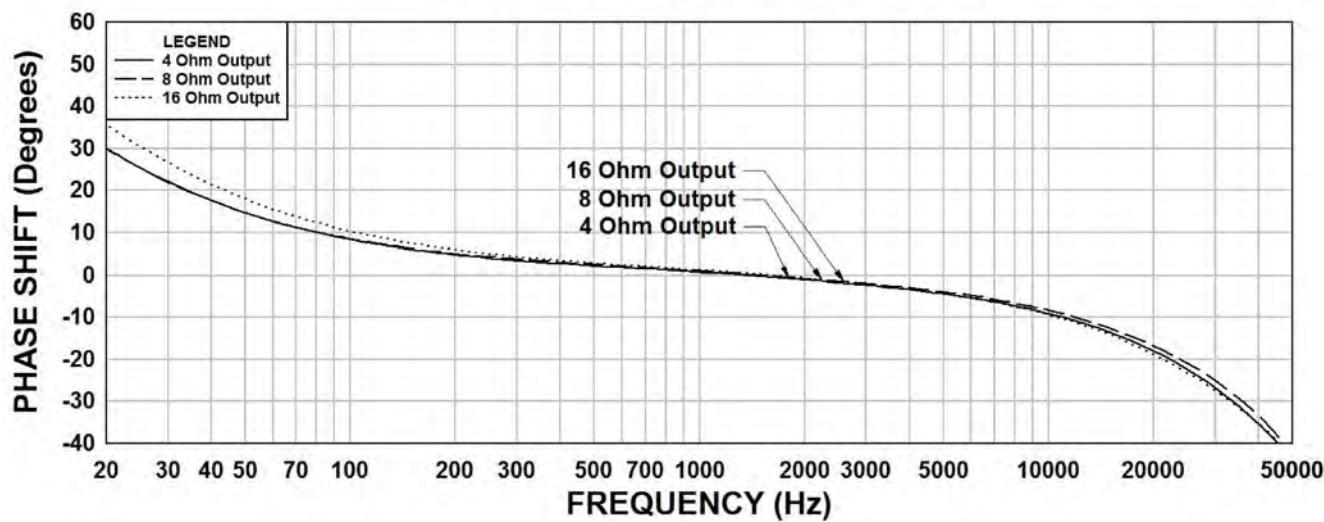
*For Full Dimensional Details see page 4

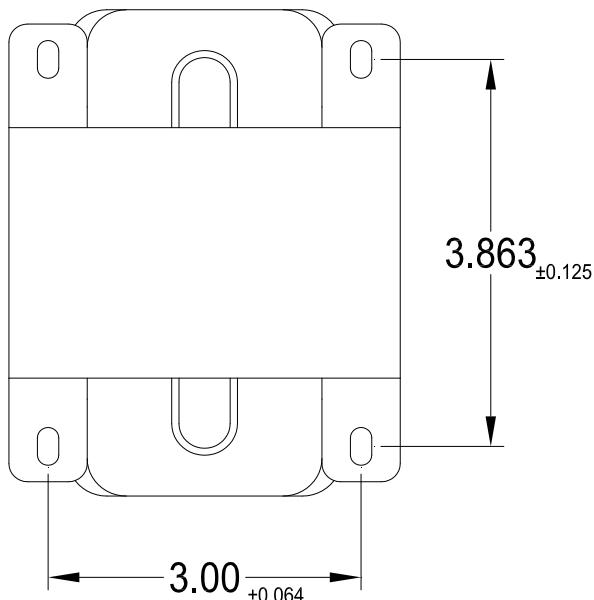
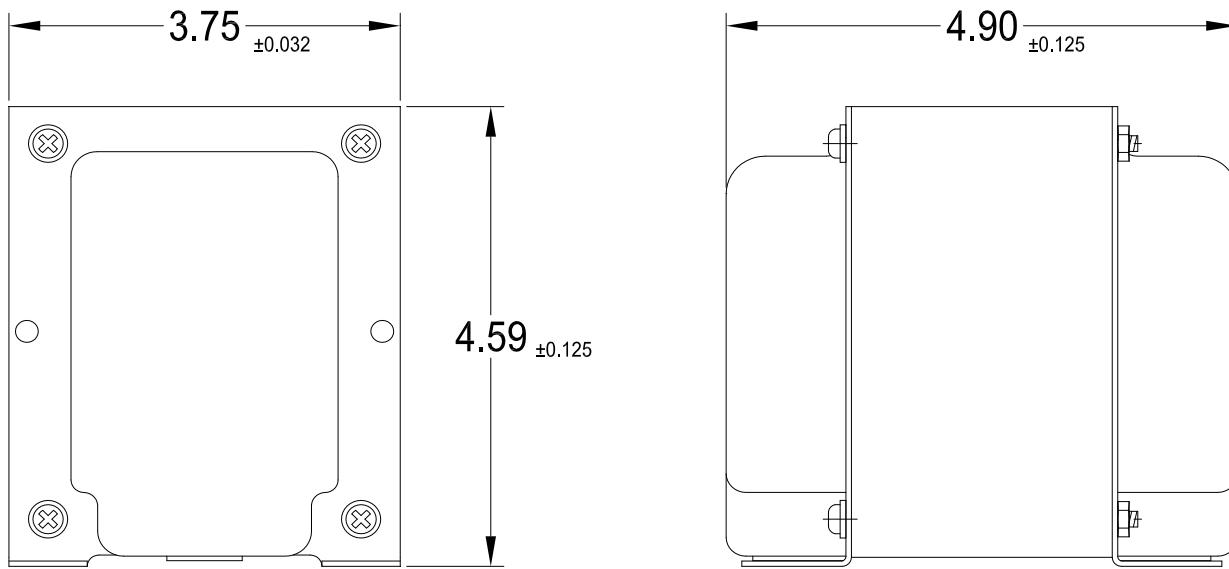
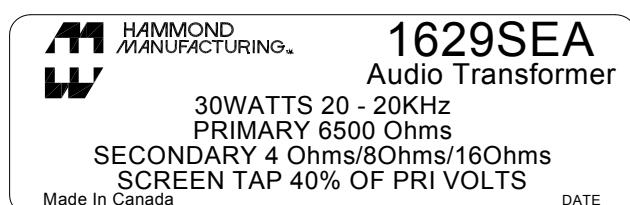
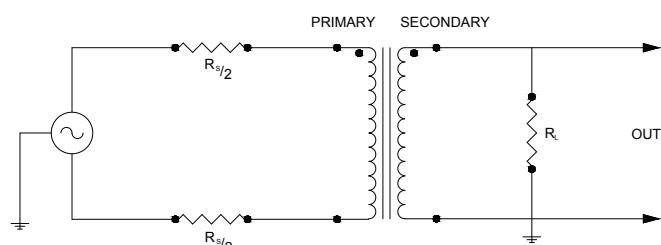
ELECTRICAL SPECIFICATIONS**

Schematic and Hook Up Data

<u>Characteristic</u>	<u>Typical</u>
Input Impedance	6500Ω
Output Impedance	4Ω/8Ω/16Ω
Output Power	30Watts
Primary - DCR	
Blue – Red	197Ω
Secondary DCR	
Black – Green	414mΩ
Black – Yellow	517mΩ
Black – White	721mΩ
Inductance	@ 1.0kHz, 1.0V OC
Primary – Blue – Red	20.4H _y
Black – Green	52.7mH
Black – Yellow	91.8mH
Black – White	149mH
Impedance	@ 1.0kHz, 1.0V OC
Primary – Blue – Red	126KΩ
Black – Green	236Ω
Black – Yellow	432Ω
Black – White	738Ω
Frequency Response	See graphs for specific response, Typ. ±1.0db from 20Hz to 20KHz
Dielectric Strength	2000Vrms
Temperature Range	-40 To 105°C



1629SEA Frequency Response Rs = 6.5K Ohms**1629SEA THD+N Rs = 6.5K Ohms****1629SEA Phase Shift Rs = 6.5K Ohms**

Dimensional Details:**Label:****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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