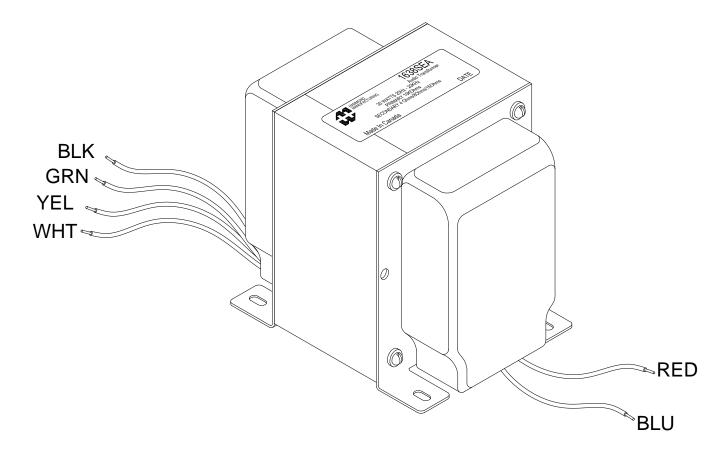


1638SEA

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.

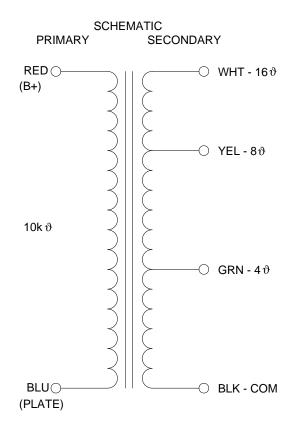


^{*}For Full Dimensional Details see page 4

ELECTRICAL SPECIFICATIONS**

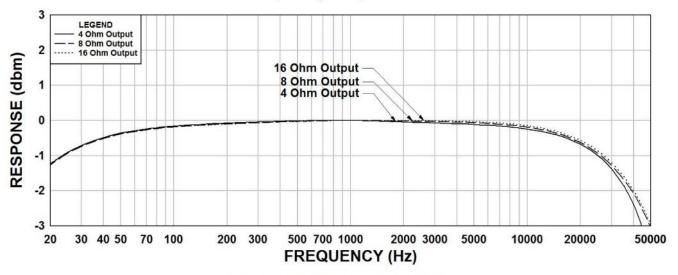
Schematic and Hook Up Data

Characteristic	Typical
Input Impedance	10kϑ
Output Impedance	4ϑ/8ϑ/16ϑ
Output Power	30Watts
Output i owei	Sovialis
Primary - DCR	
Blue – Red	337ϑ
Secondary DCR	
Black – Green	474mϑ
Black – Yellow	591mϑ
Black – White	792mϑ
Inductance	@ 1.0kHz, 1.0V OC
Primary – Blue – Red	107Hy
Black – Green	34.6mH
Black – Yellow	47.5mH
Black – White	47.6mH
Impedance	@ 1.0kHz, 1.0V OC
Primary – Blue – Red	700K∂
Black – Green	289ϑ
Black – Yellow	652ϑ
Black – White	1500ϑ
	See graphs for specific
Farmer Decree	response, Typ. { 1.0db from
Frequency Response	20Hz to 20KHz
Dielectric Strength	2000Vrms
Temperature Range	-40 To 105 C

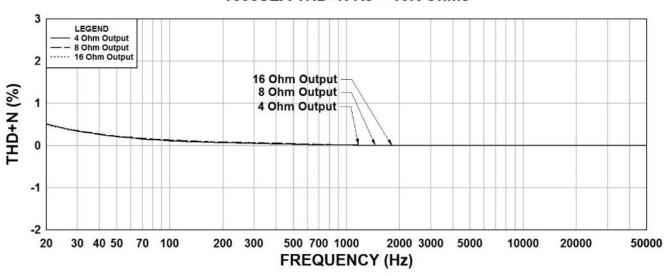


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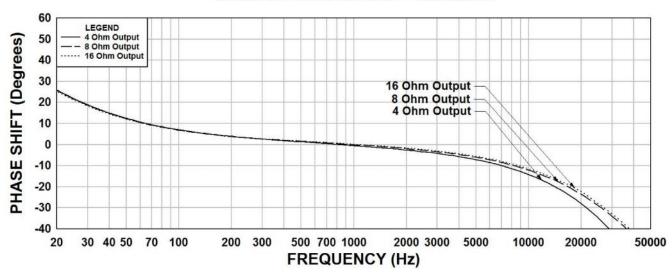
1638SEA Frequency Response Rs = 10K Ohms



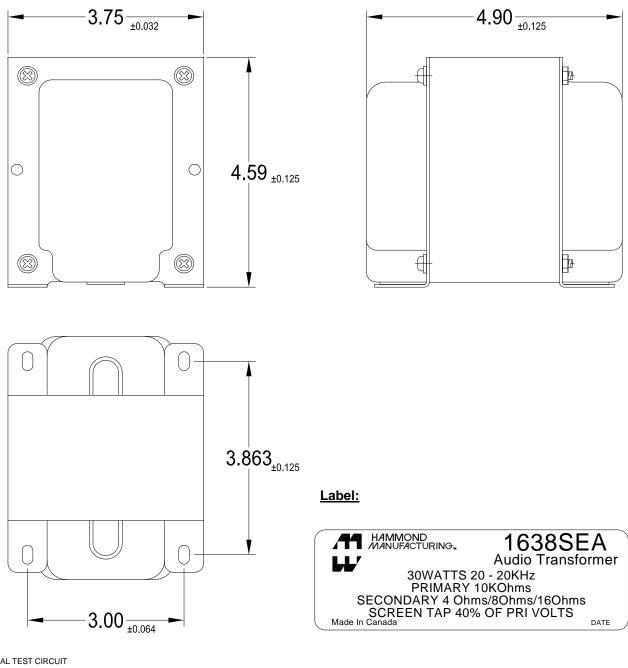
1638SEA THD+N Rs = 10K Ohms



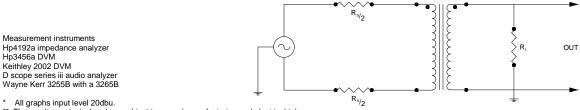
1638SEA Phase Shift Rs = 10K Ohms



Dimensional Details:



TYPICAL TEST CIRCUIT



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PRIMARY

SECONDARY

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