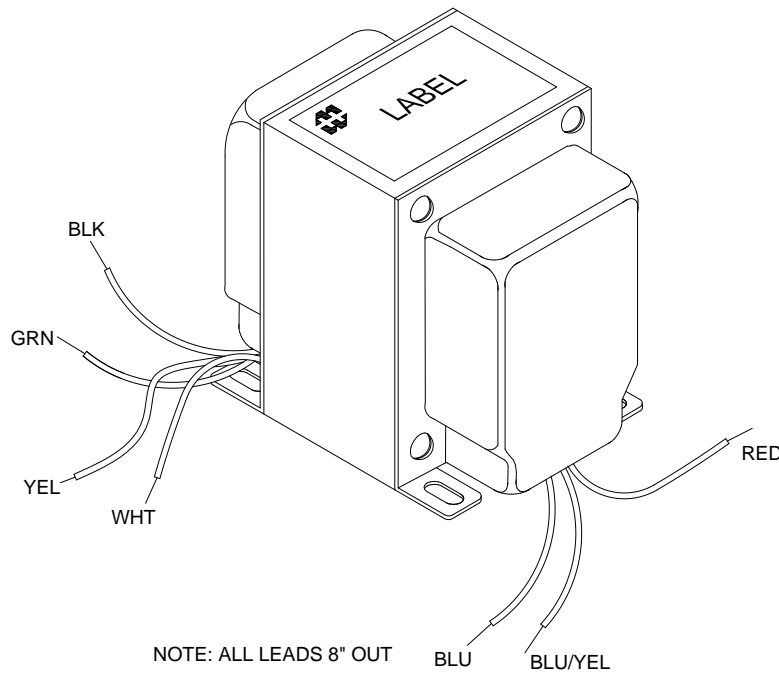




## 1626SEA

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](#).

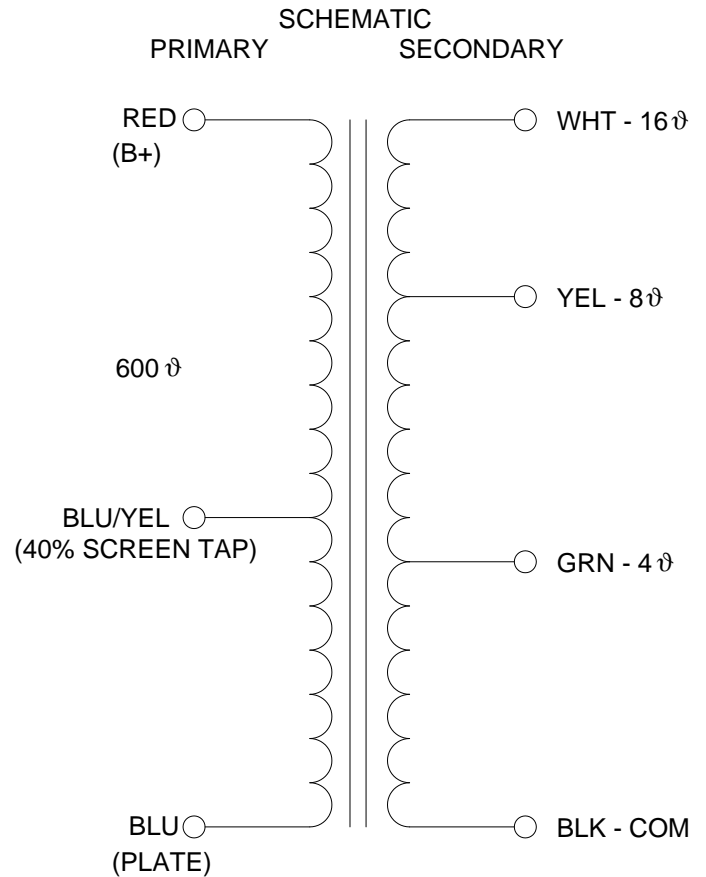


	<b>HAMMOND MANUFACTURING™</b>	<b>1626SEA</b>
	25 WATTS 20Hz - 20kHz SECONDARY: 4/8/16 Ohm Primary: 600Ohms SCREEN TAP 40% of PRI VOLTS	
DATE CODE	MADE IN CANADA	

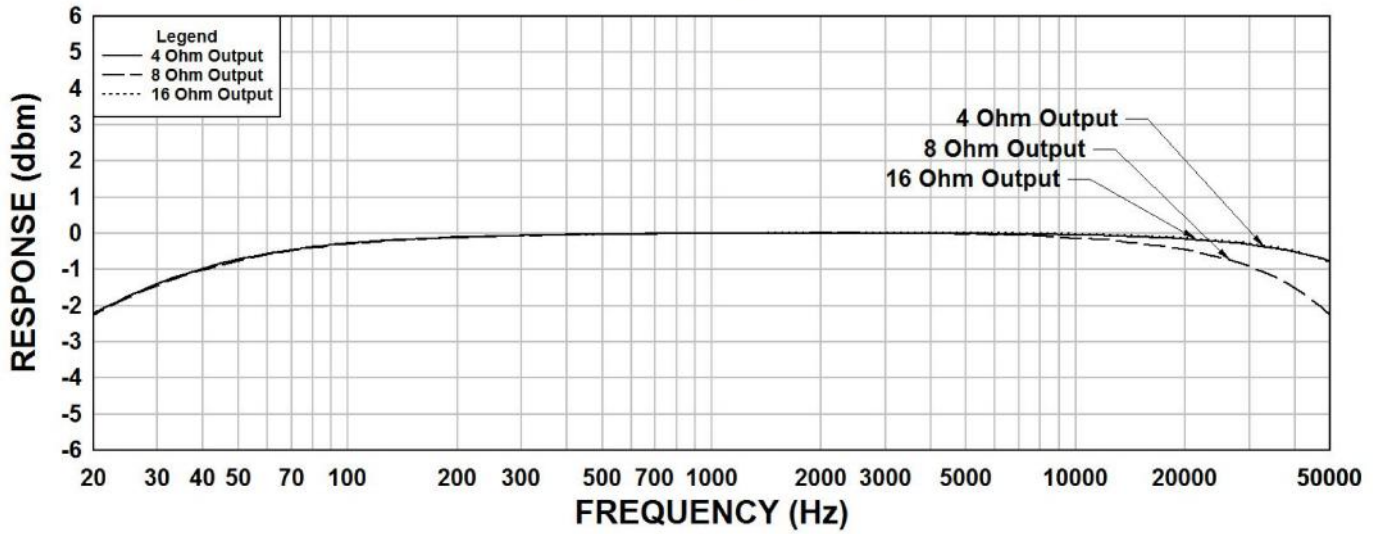
\*For Full Dimensional Details see page 4

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

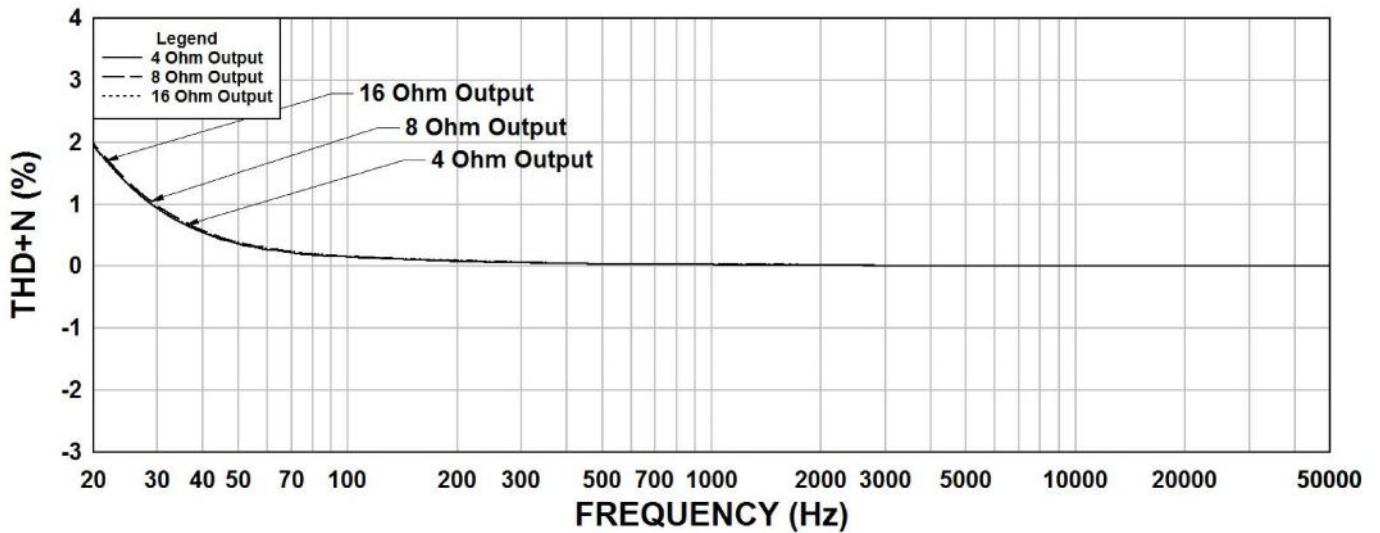
<b><u>Characteristic</u></b>	<b><u>Typical</u></b>
Input Impedance	600 $\varnothing$
Output Impedance	4/8/16 $\varnothing$
Output Power	25 Watts
<b>Primary - DCR</b>	
Blue – Brown	15.0 $\varnothing$
<b>Secondary DCR</b>	
Black – Green	290 m $\varnothing$
Black – Yellow	475 m $\varnothing$
Black – White	870 m $\varnothing$
<b>Inductance</b> @ 1.0 kHz, 1.0 V OC	
Primary – Blue – Brown	1.14 Hy
Black – Green	11.2 mH
Black – Yellow	24.0 mH
Black – White	45.6 mH
<b>Impedance</b> @ 1.0 kHz, 1.0 V OC	
Primary – Blue – Brown	7.45 K $\varnothing$
Black – Green	73.4 $\varnothing$
Black – Yellow	145 $\varnothing$
Black – White	284 $\varnothing$
Frequency Response	See graphs for specific response, Typ. $\left\{ \begin{array}{l} 1.0\text{db from} \\ 20\text{Hz to } 20\text{KHz} \end{array} \right.$
Dielectric Strength	2000Vrms
Temperature Range	-40 To 105 $\varnothing$ C



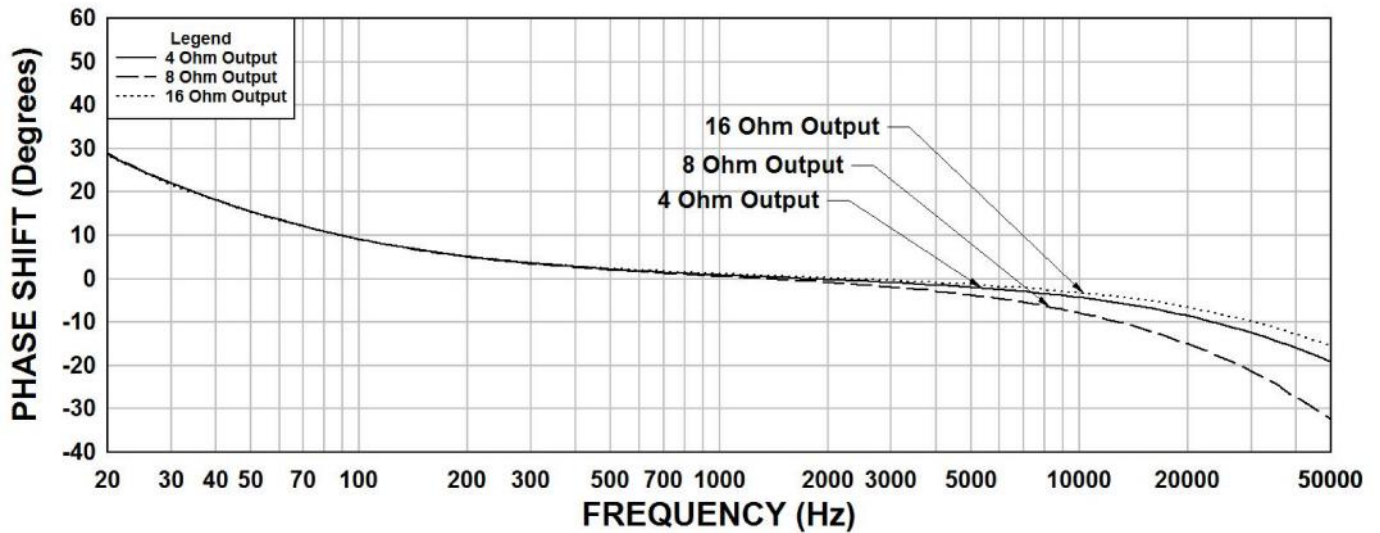
### 1626SEA Frequency Response $R_s = 600$ Ohms

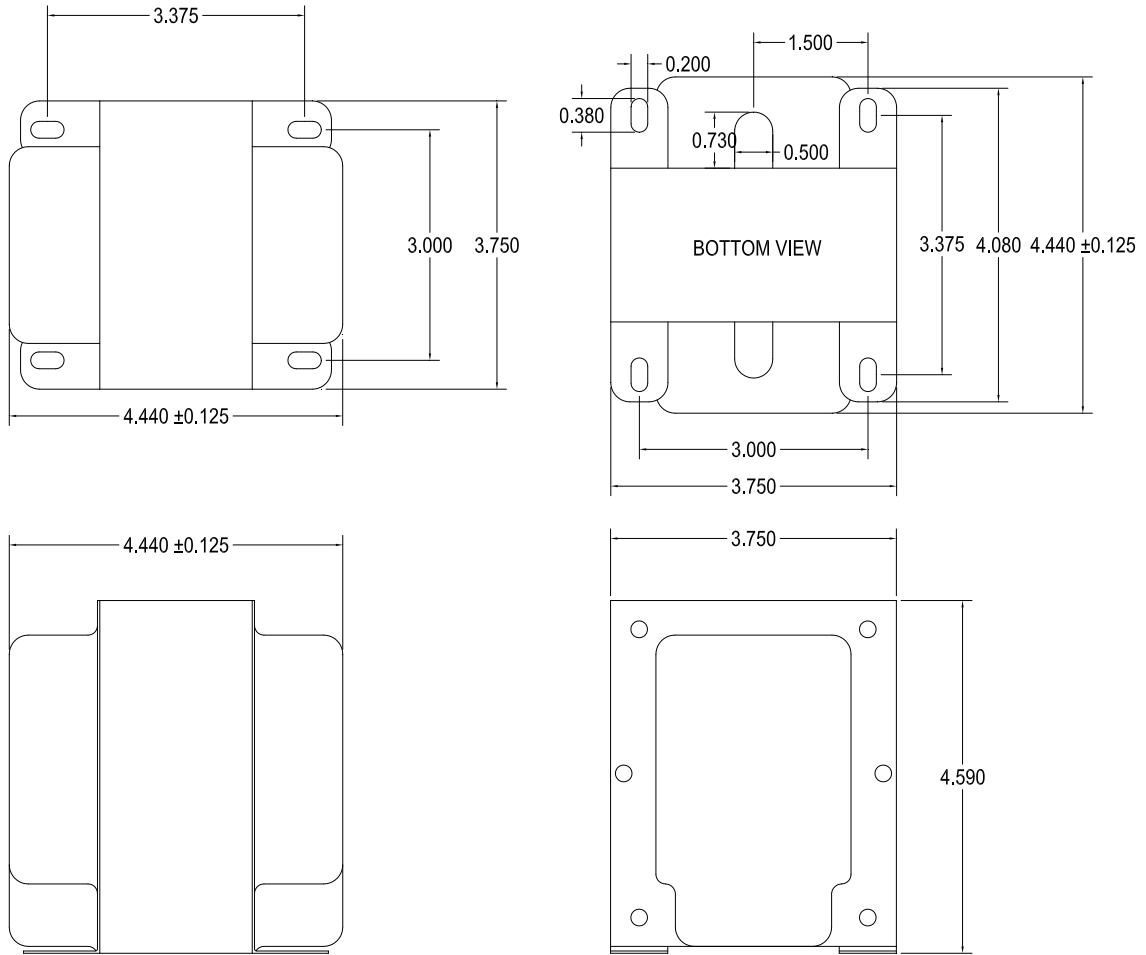


### 1626SEA THD+N $R_s = 600$ ohms

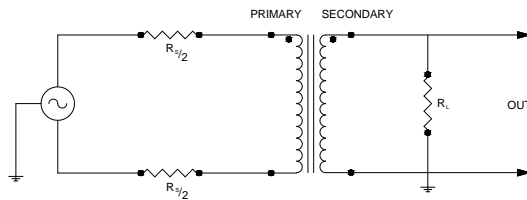


### 1626SEA Phase Shift $R_s = 600$ ohms





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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