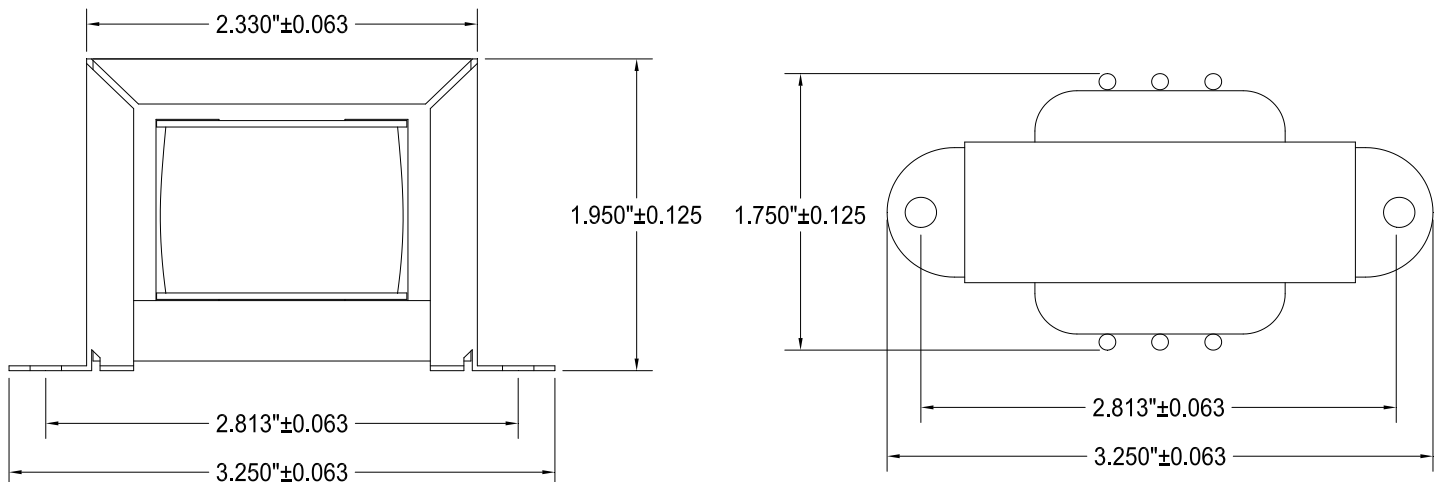
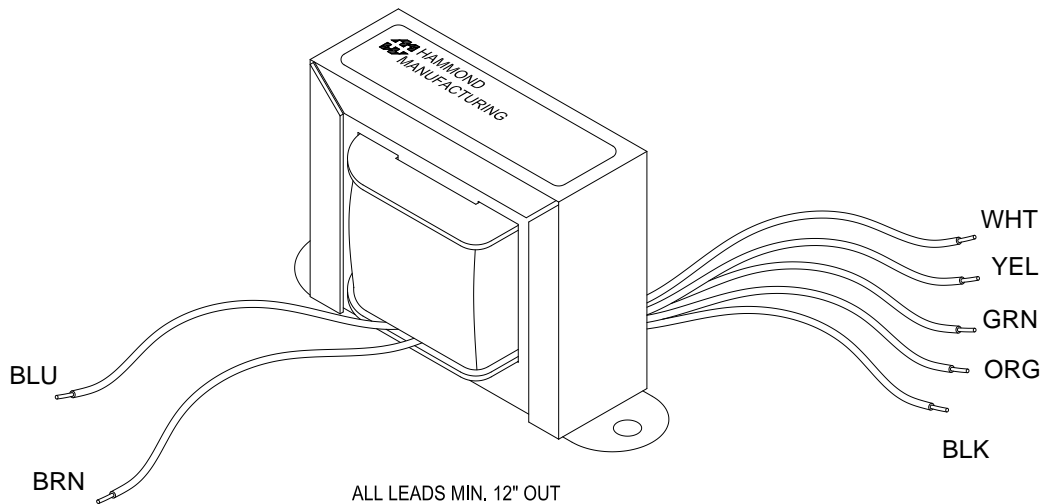




125BSE

UNIVERSAL SINGLE ENDED TUBE OUTPUT TRANSFORMER

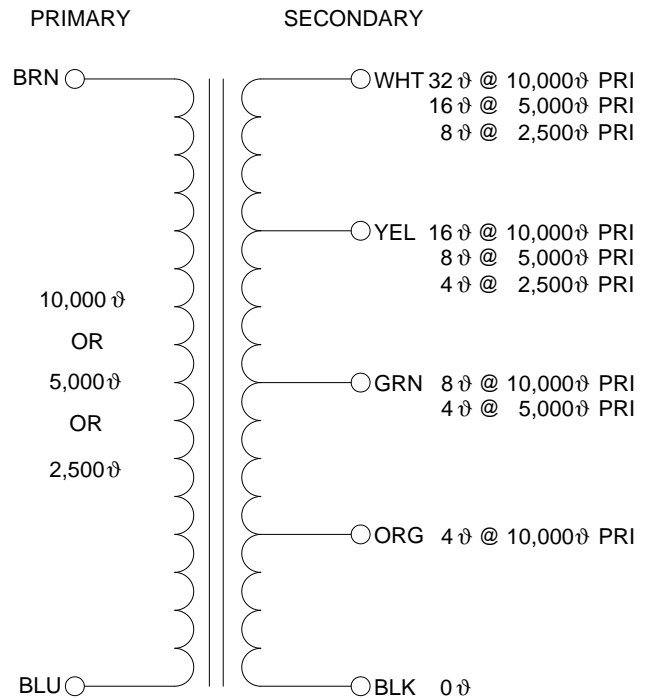
-) Designed for general purpose or replacement use (not Hi-Fi), in single ended, tube output circuits.
-) Frequency response: 100 Hz. - 15 KHz at full rated power (see graphs for detailed response).
-) For full frequency response (20 Hz. to 20 KHz.) - see our 1627-1642 Series.
-) For push-pull output use, see our 125 Series.
-) Open style with minimum 12" long primary & secondary leads.
-) All sizes use butt stacked cores (using 29M6 steel) with an air gap, to reduce D.C. core saturation.
-) Primary impedance range from 2,500 to 10,000 Ohms.
-) Secondary impedance range from 4 to 32 Ohms.



ELECTRICAL SPECIFICATIONS**

<u>Characteristic</u>	<u>Typical</u>
Input Impedance	2500 - 10000 \varnothing
Output Impedance	4/8/16/32 \varnothing
Output Power	5 Watts
Max. DC Bias	45 mA
Primary - DCR	
Blue - Brown	354 \varnothing
Secondary DCR	
Black - Orange	300 m \varnothing
Black - Green	400 m \varnothing
Black - Yellow	570 m \varnothing
Black - White	798 m \varnothing
Inductance @ 1.0 kHz, 1.0 V OC	
Primary - Blue - Brown	4.50 Hy
Sec - Black - Orange	3.19 mH
Sec - Black - Green	6.41 mH
Sec - Black - Yellow	14.58 mH
Sec - Black - White	26.72 mH
Impedance @ 1.0 kHz, 1.0 V OC	
Primary - Blue - Brown	27.38 K \varnothing
Sec - Black - Orange	20.45 \varnothing
Sec - Black - Green	41.48 \varnothing
Sec - Black - Yellow	86.45 \varnothing
Sec - Black - White	174.3 \varnothing
Frequency Response	See graphs for specific response, Typ. $\left\{ \begin{array}{l} 1.0\text{db from} \\ 100\text{Hz to } 15\text{KHz} \end{array} \right.$
Dielectric Strength	1500Vrms
Temperature Range	-40 To 105°C

Schematic and Hook Up Data



HAMMOND MANUFACTURING™ **125BSE**

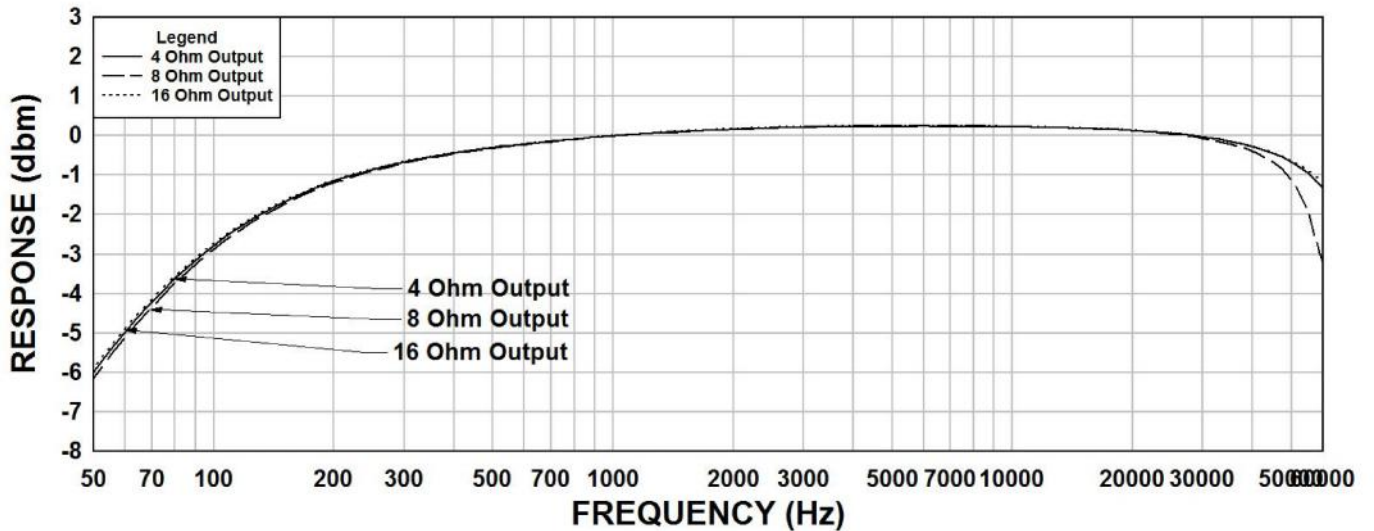
SINGLE ENDED AUDIO 5W 45mA DC

PRI: 10,000; 5,000; 2,500 OHM

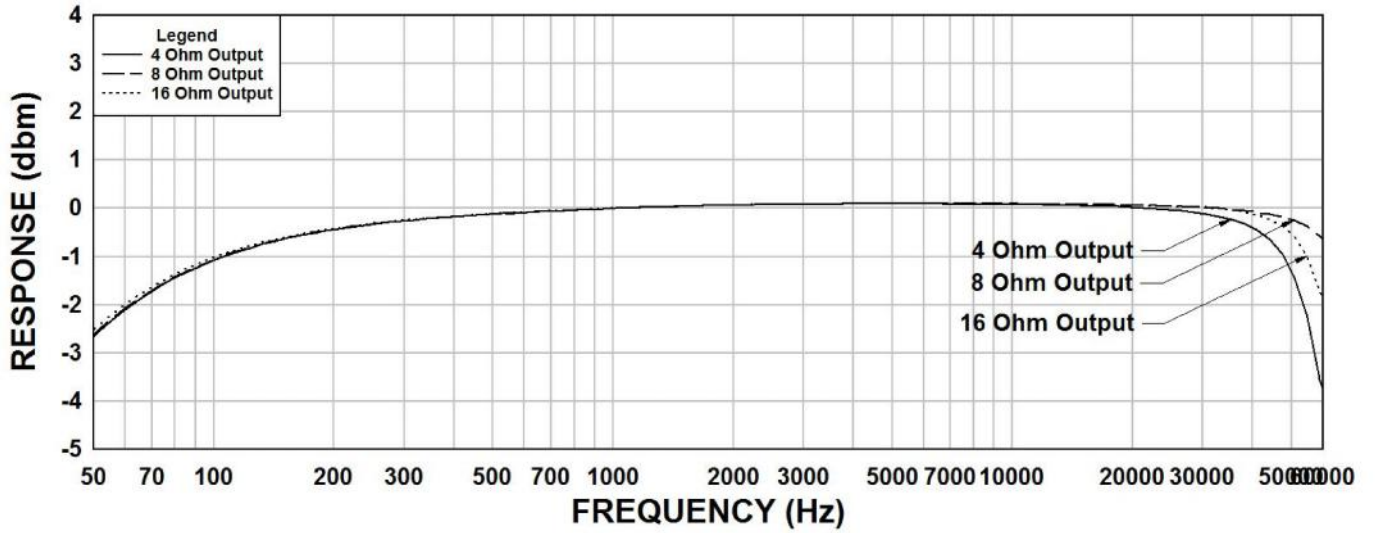
SEC: 4, 8, 16, 32 OHM

DATE CODE MADE IN CANADA

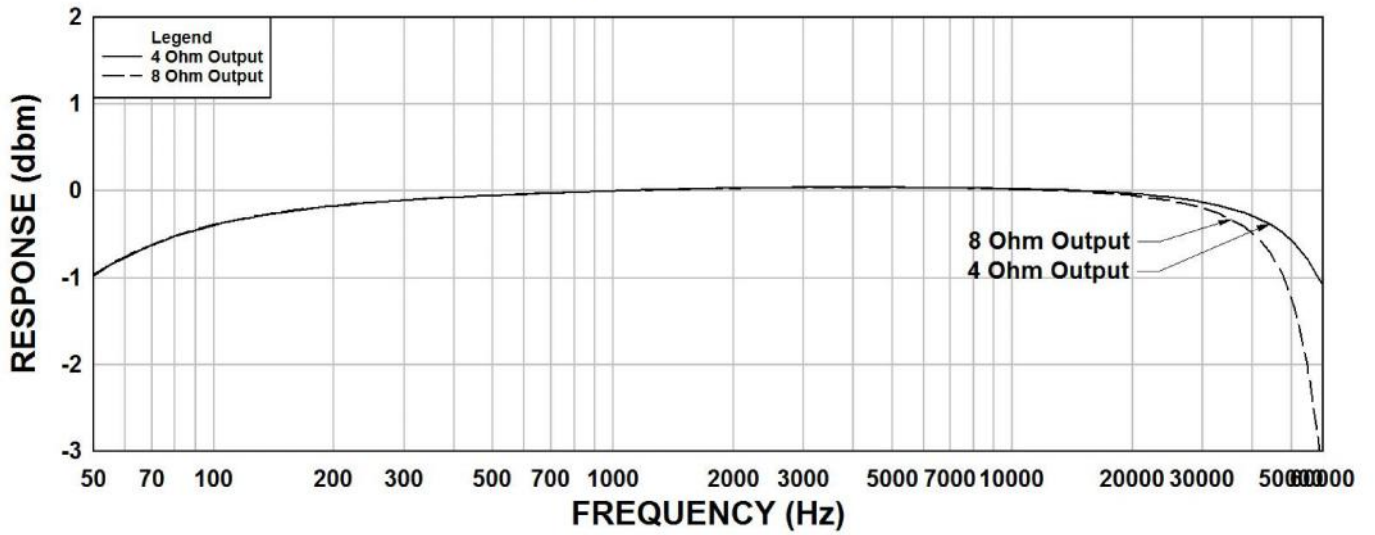
125BSE FREQUENCY RESPONSE $R_s=10K\Omega$



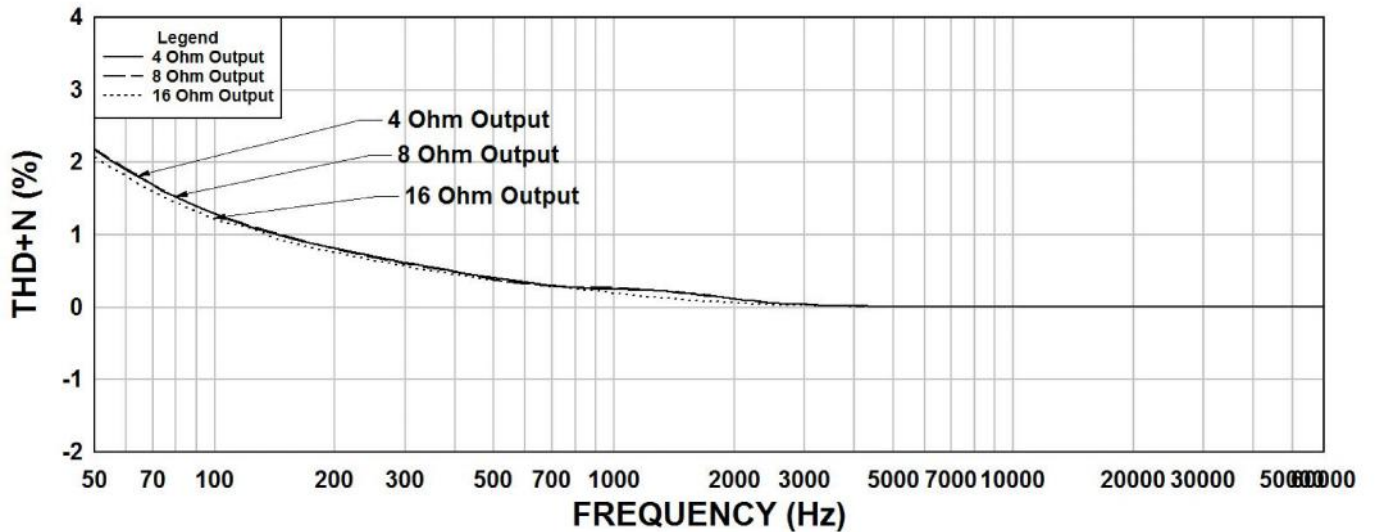
125BSE Frequency Response $R_s=5000\Omega$



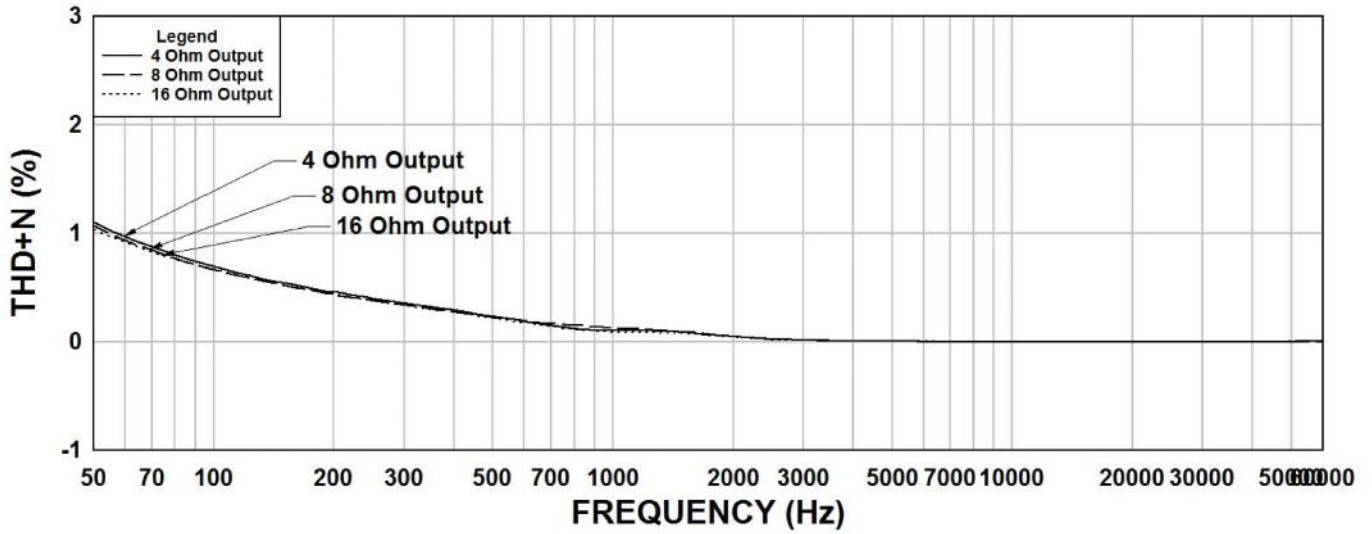
125BSE Frequency Response $R_s=2500\Omega$



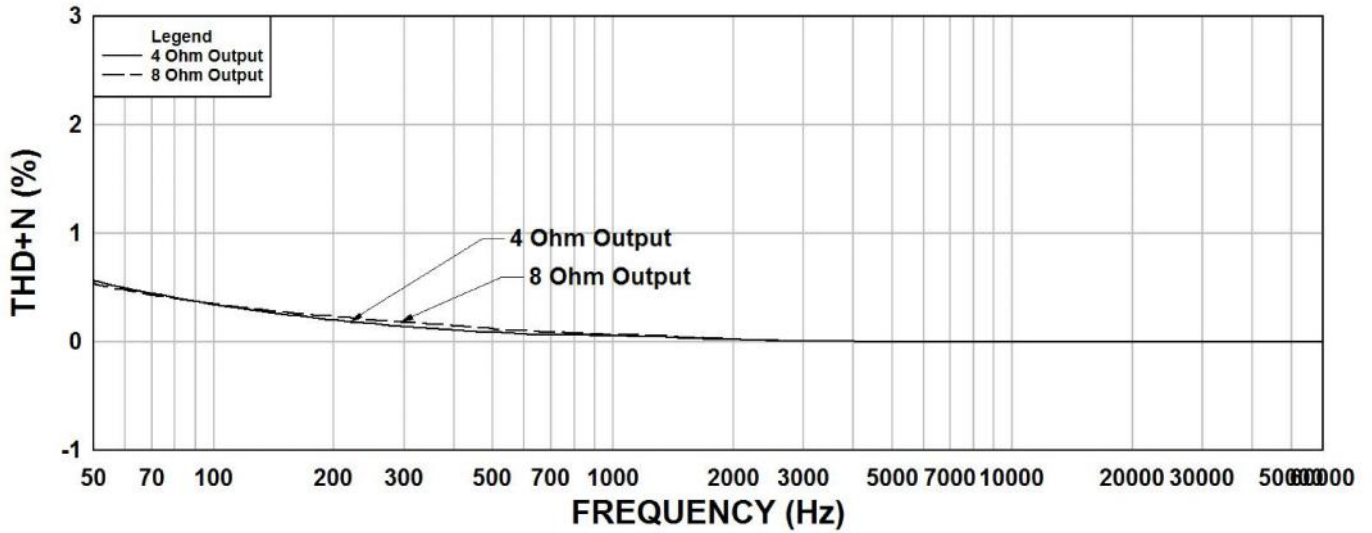
125BSE THD+N $R_s=10K\Omega$



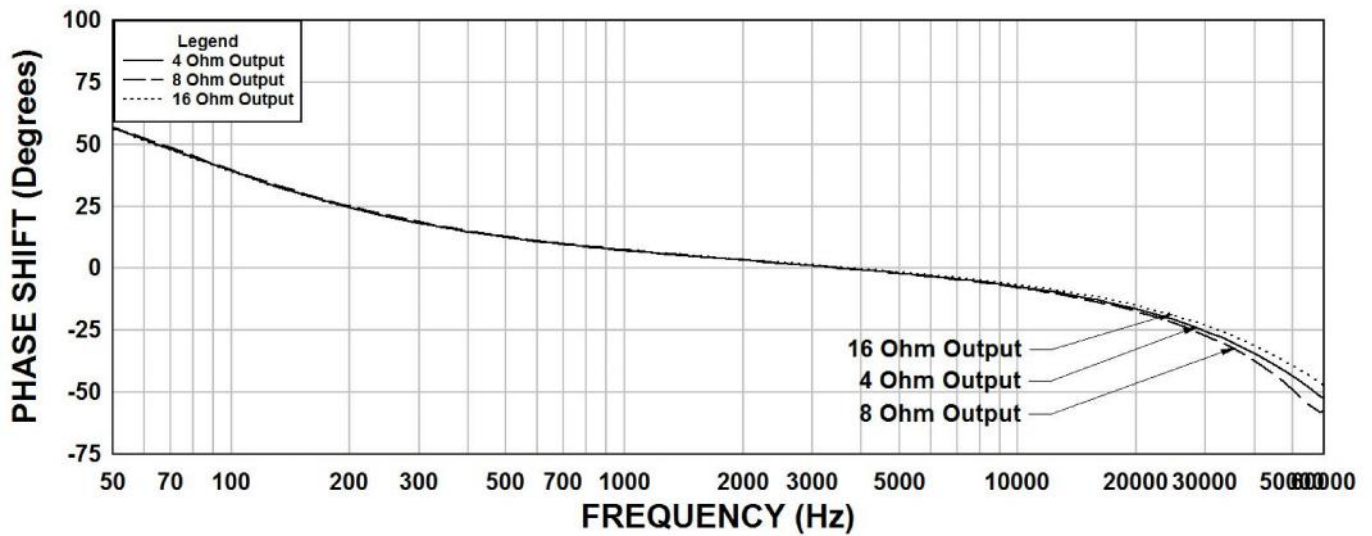
125BSE THD+N $R_s=5000\Omega$



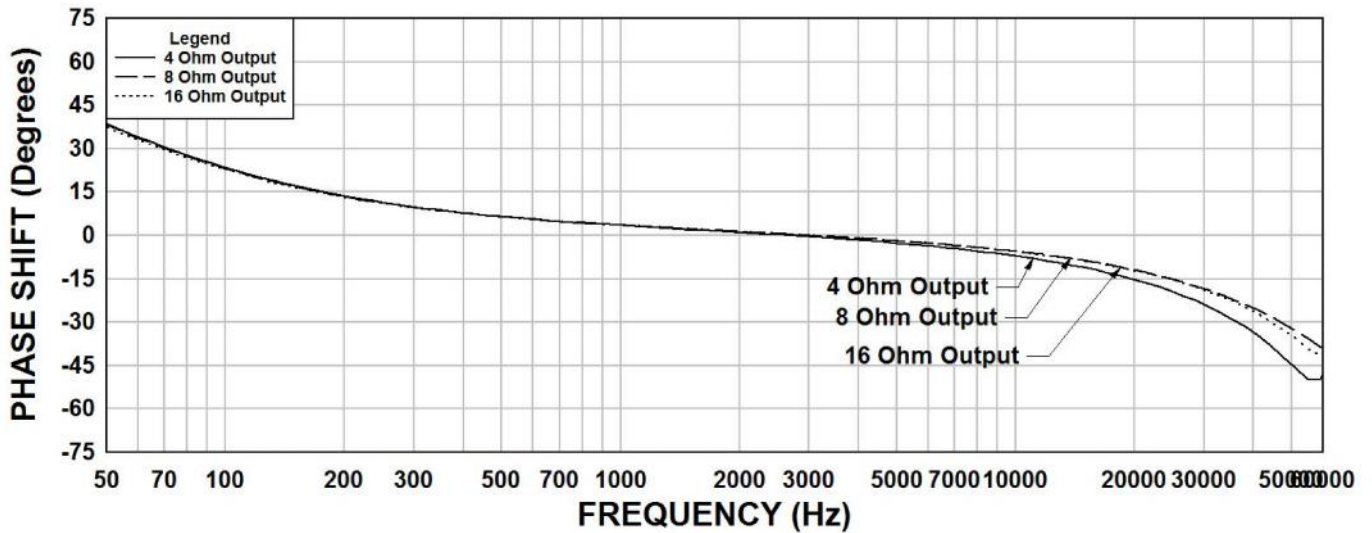
125BSE THD+N $R_s=2500\Omega$



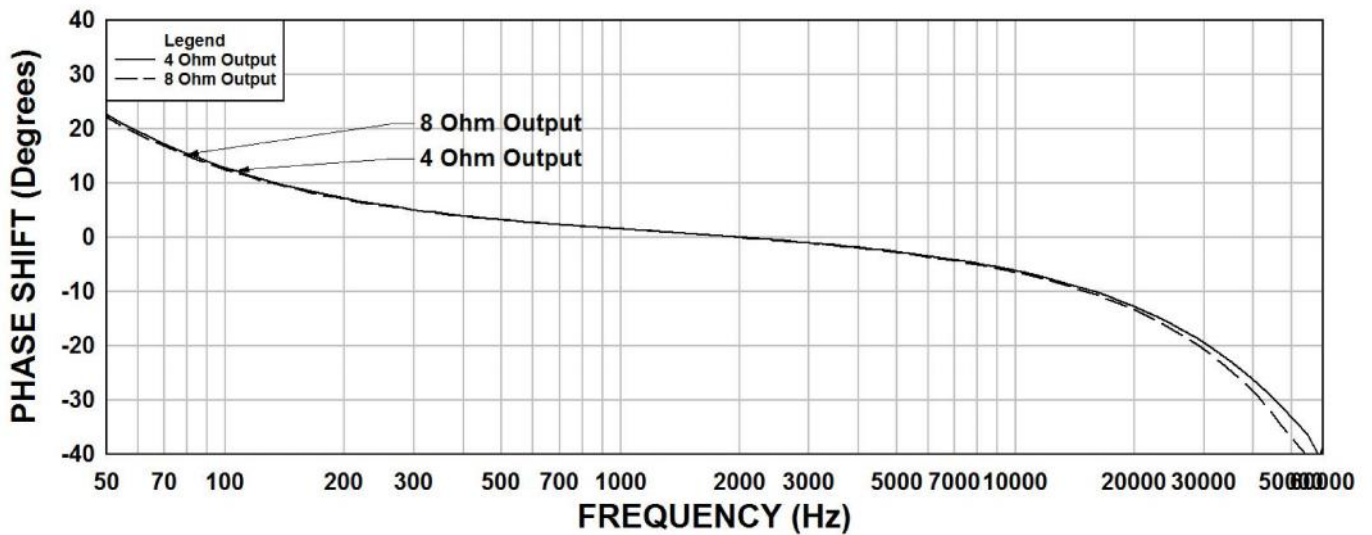
125BSE Phase Shift $R_s=10K\Omega$



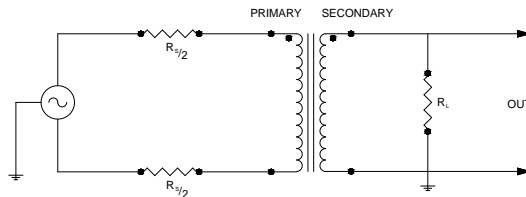
125BSE Phase Shift $R_s=5000\Omega$



125BSE Phase Shift $R_s=2500\Omega$



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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