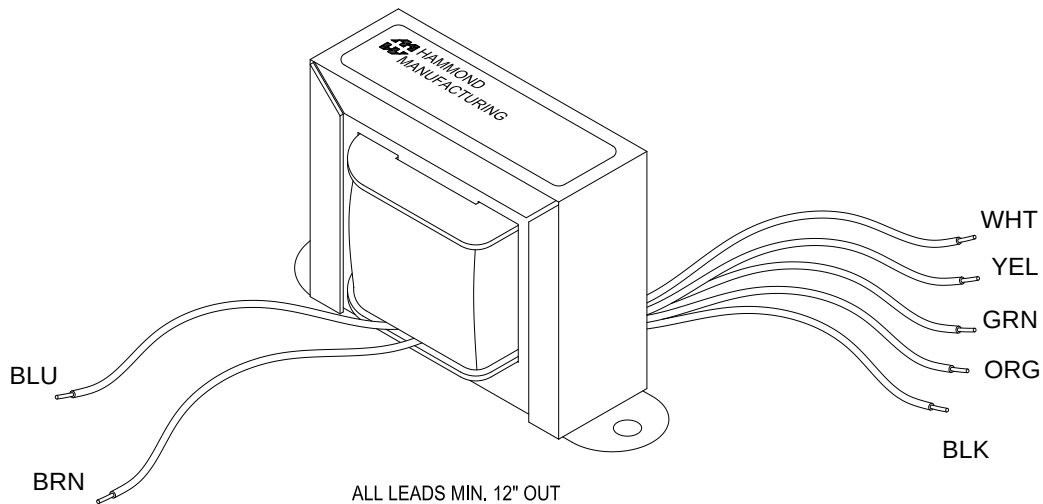
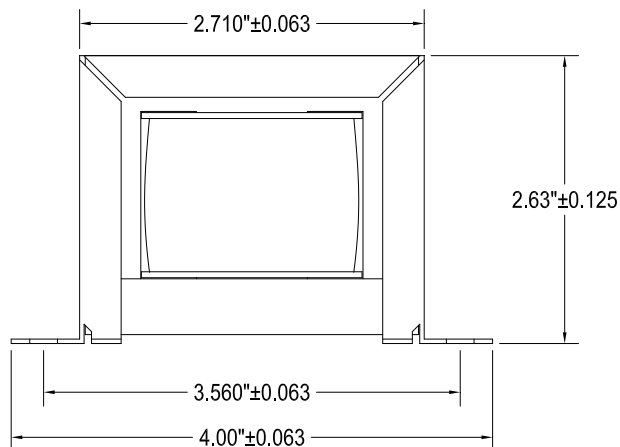
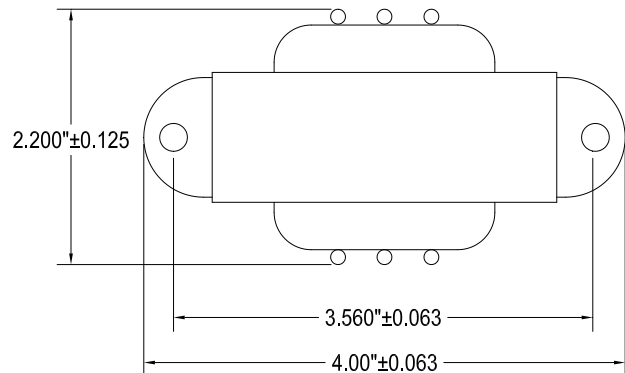


125DSE

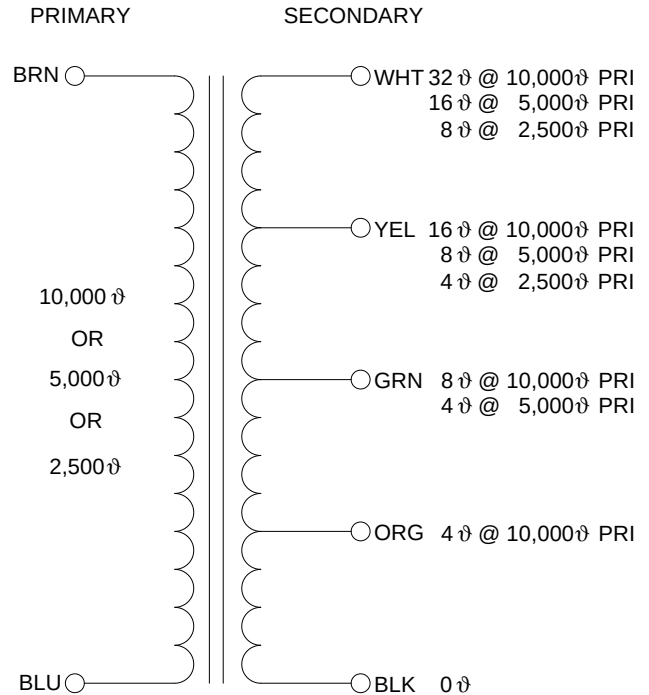
UNIVERSAL SINGLE ENDED TUBE OUTPUT TRANSFORMER

-) 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**

Characteristic	Typical
Input Impedance	2500 - 10000 $\varnothing$
Output Impedance	4/8/16/32 $\varnothing$
Output Power	10 Watts
Max. DC Bias	70 mA
Primary - DCR	
Blue – Brown	126.5 $\varnothing$
Secondary DCR	
Black – Orange	238 m $\varnothing$
Black – Green	315 m $\varnothing$
Black – Yellow	438 m $\varnothing$
Black – White	600 m $\varnothing$
Inductance	@ 1.0 kHz, 1.0 V OC
Primary – Blue – Brown	4.48 Hy
Sec – Black – Orange	3.48 mH
Sec – Black – Green	6.65 mH
Sec – Black – Yellow	14.0 mH
Sec – Black – White	27.4 mH
Impedance	
@ 1.0 kHz, 1.0 V OC	
Primary – Blue – Brown	28.3 K $\varnothing$
Sec – Black – Orange	21.8 $\varnothing$
Sec – Black – Green	44.3 $\varnothing$
Sec – Black – Yellow	92.0 $\varnothing$
Sec – Black – White	180.0 $\varnothing$
Frequency Response	See graphs for specific response, Typ. $\{$ 1.0db from 100Hz to 15KHz
Dielectric Strength	1500Vrms
Temperature Range	-40 To 105 $\varnothing$ C

Schematic and Hook Up DataHAMMOND
MANUFACTURING**125DSE**

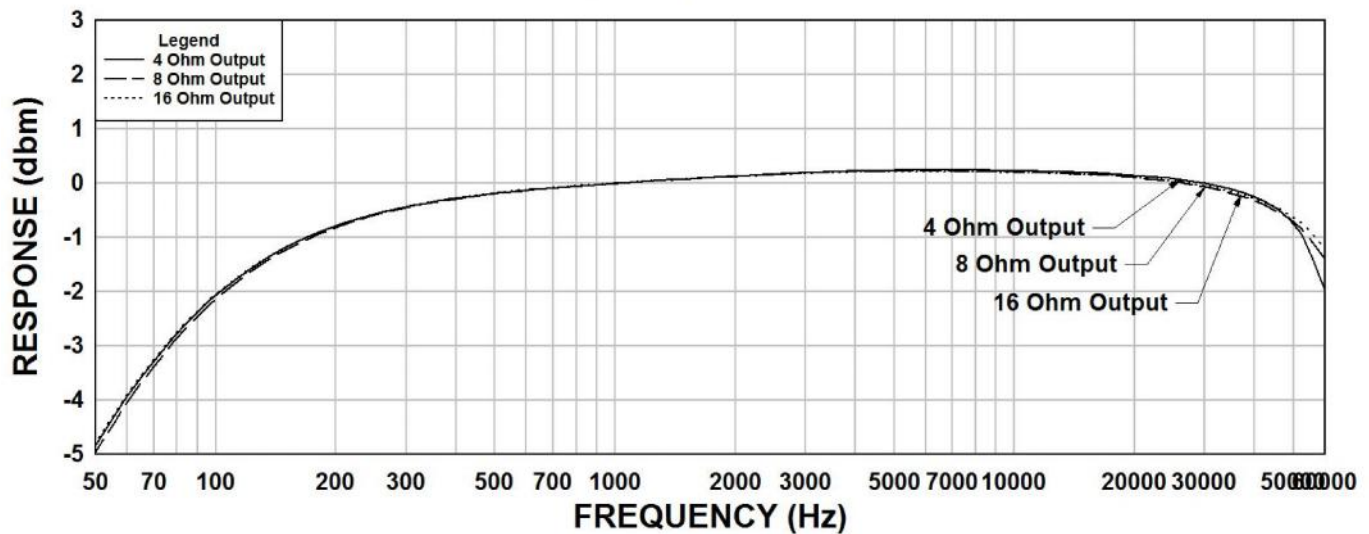
SINGLE ENDED AUDIO 10W 70mA DC

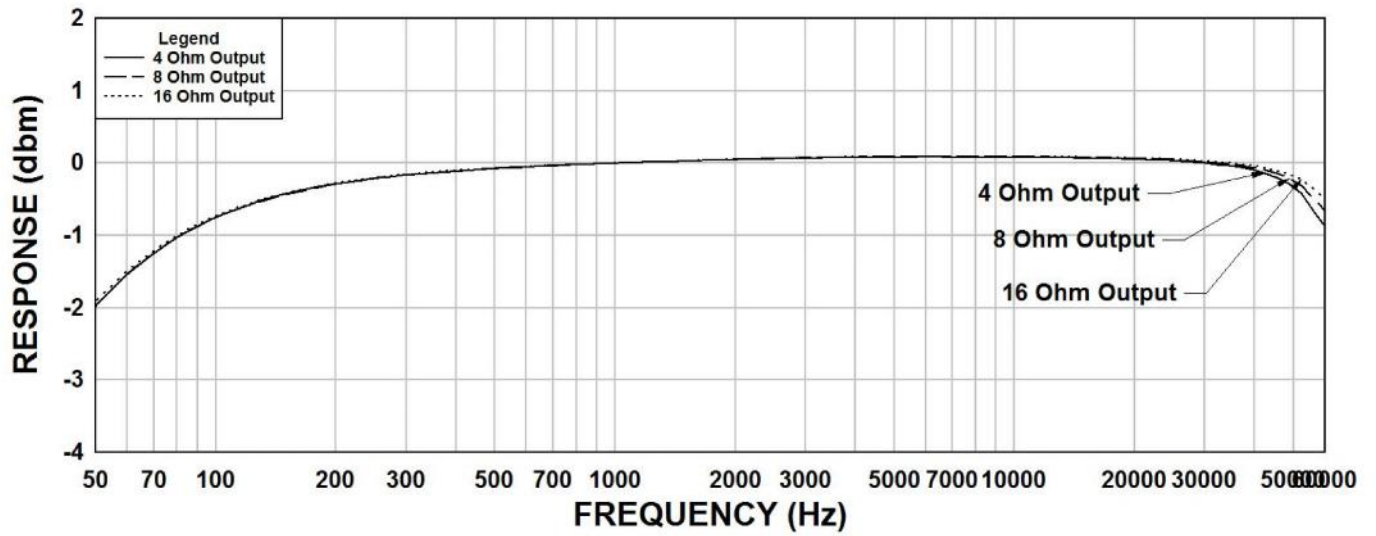
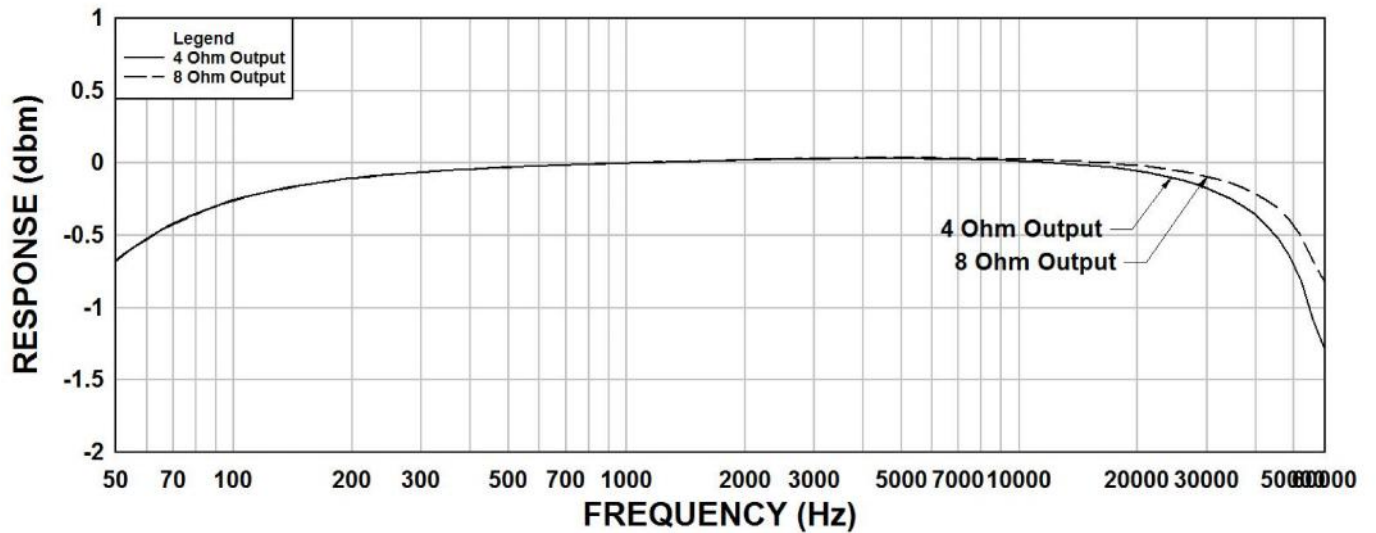
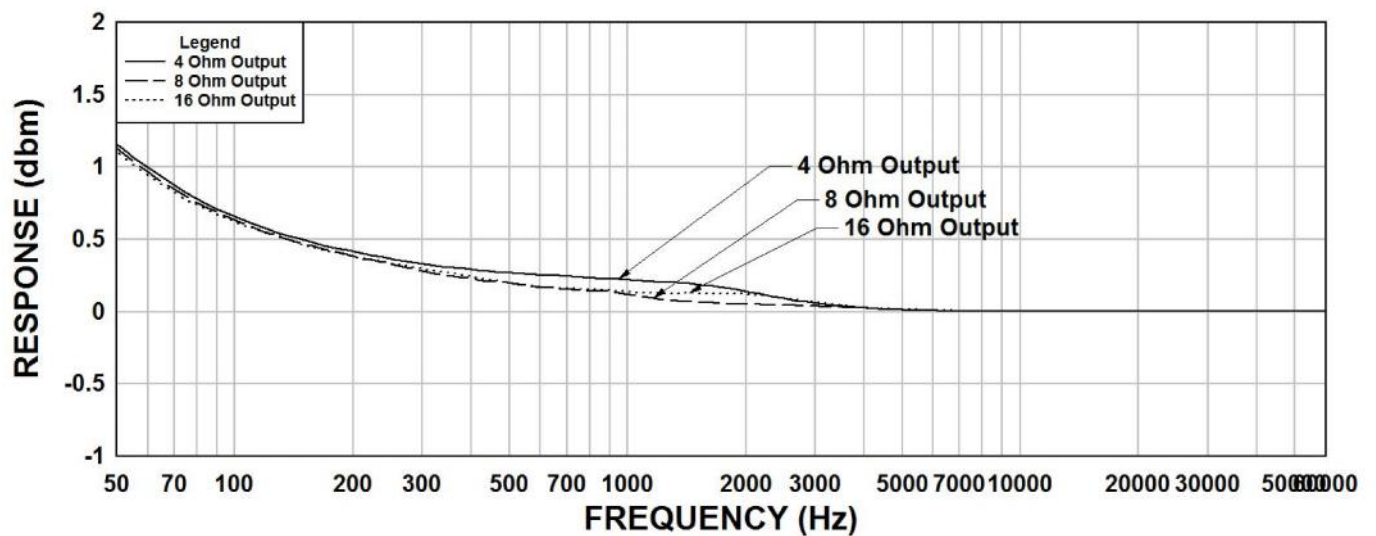
PRI: 10,000; 5,000; 2,500 OHM

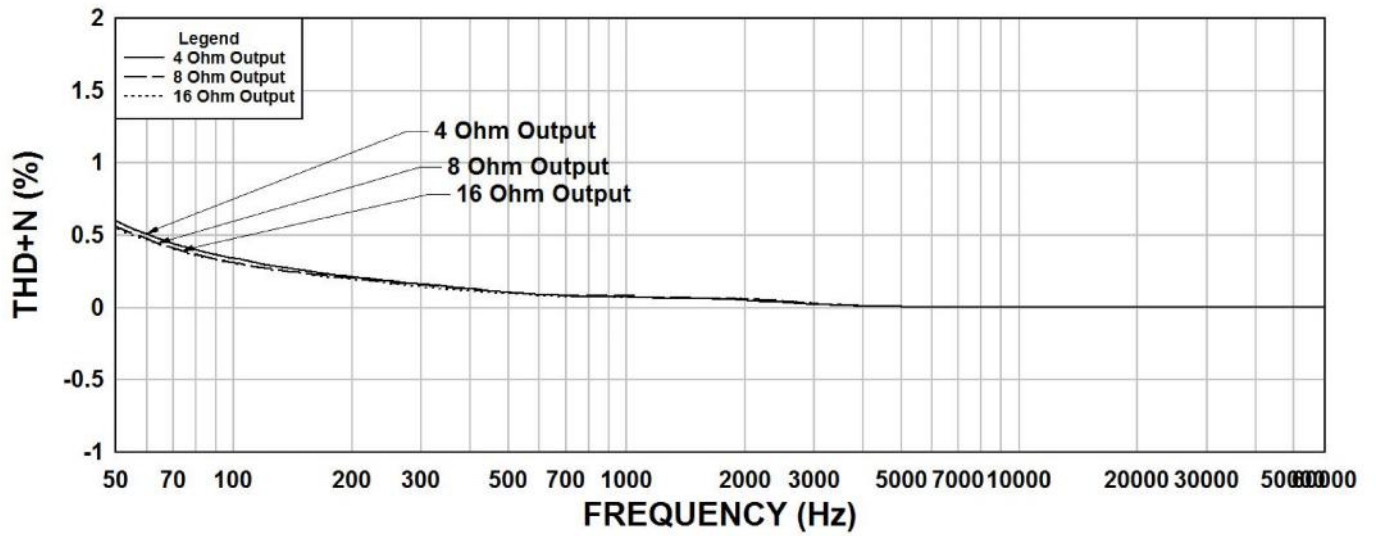
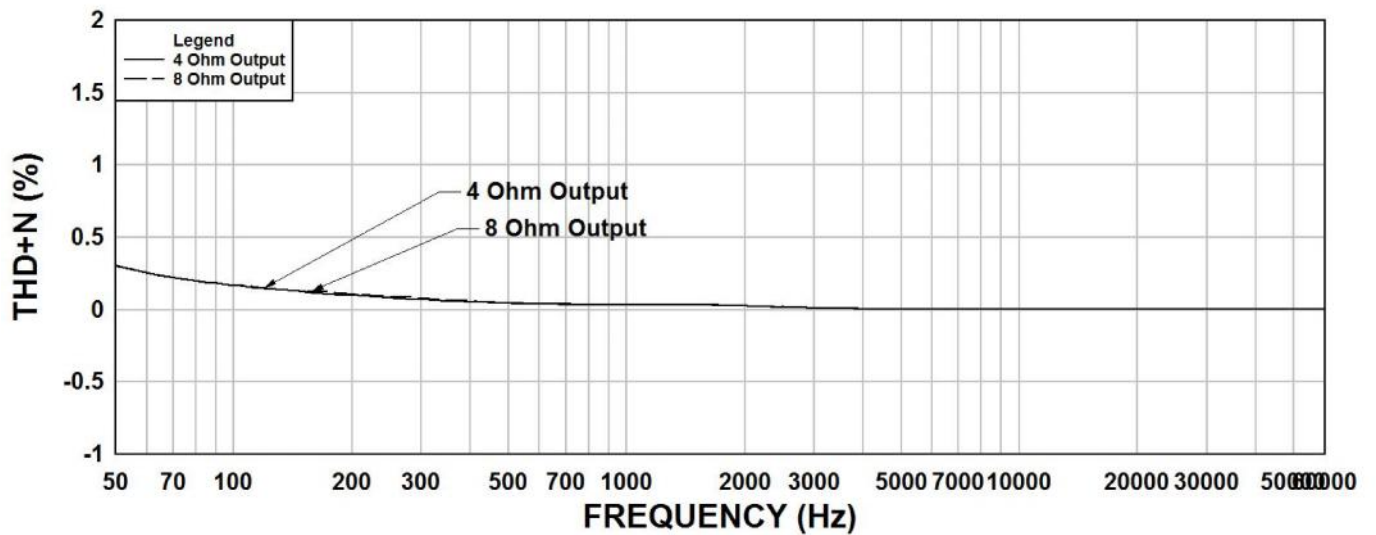
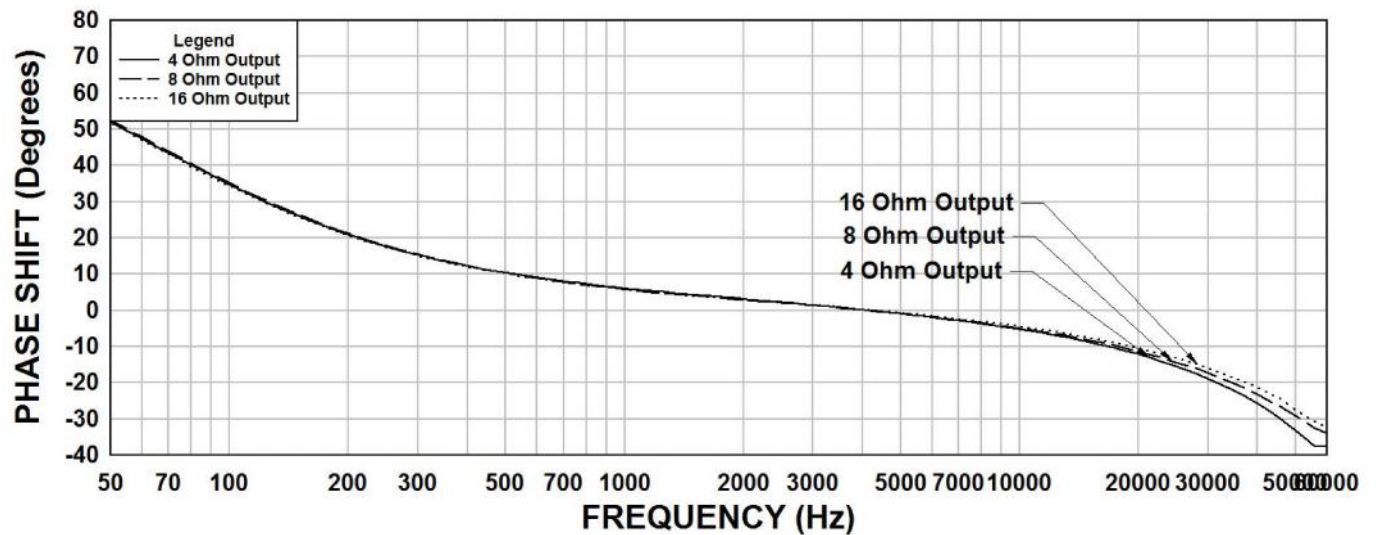
SEC: 4, 8, 16, 32 OHM

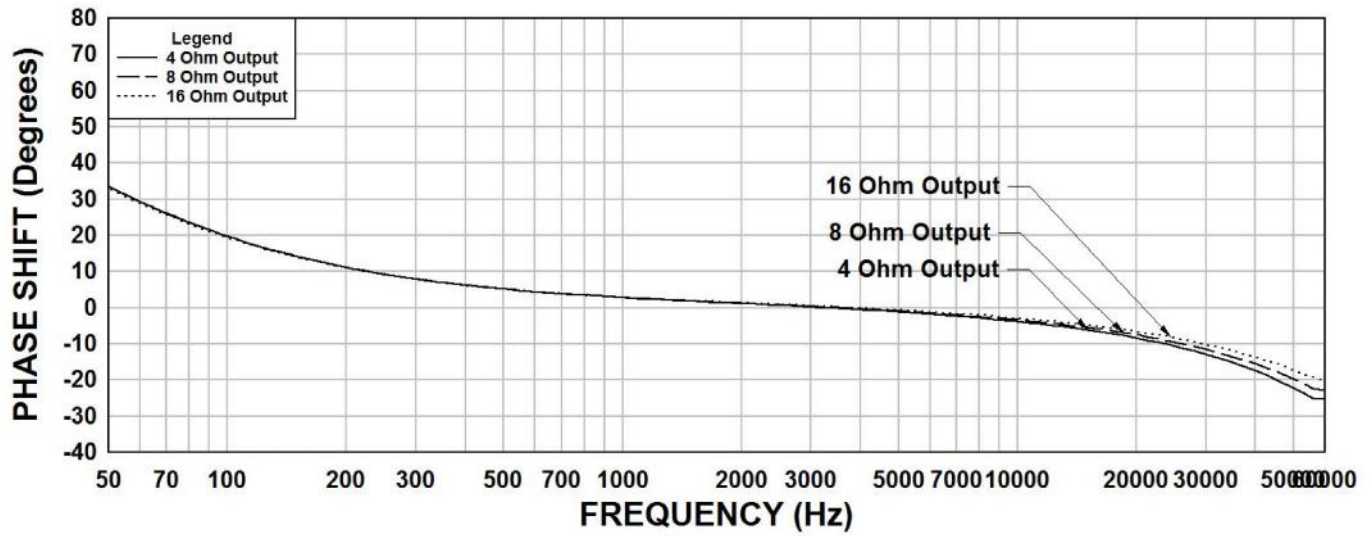
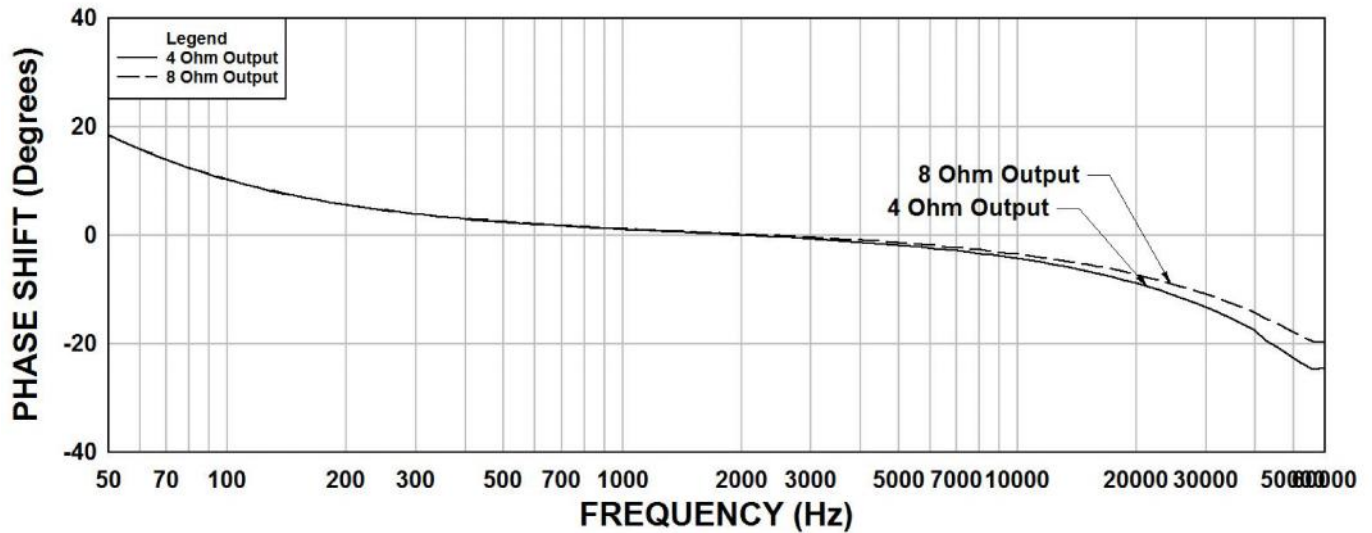
DATE CODE

MADE IN CANADA

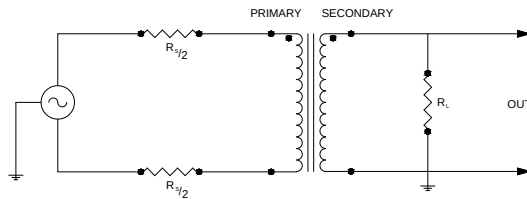
125DSE Frequency Response Rs=10K $\varnothing$ 

125DSE Frequency Response $R_s=5K\Omega$ **125DSE Frequency Response $R_s=2500\Omega$** **125DSE THD+N $10K\Omega$** 

125DSE THD+N $R_s=5K\Omega$ **125DSE THD+N $R_s=2500\Omega$** **125DSE Phase Shift $10K\Omega$** 

125DSE Phase Shift $R_s=5K\Omega$ **125DSE 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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