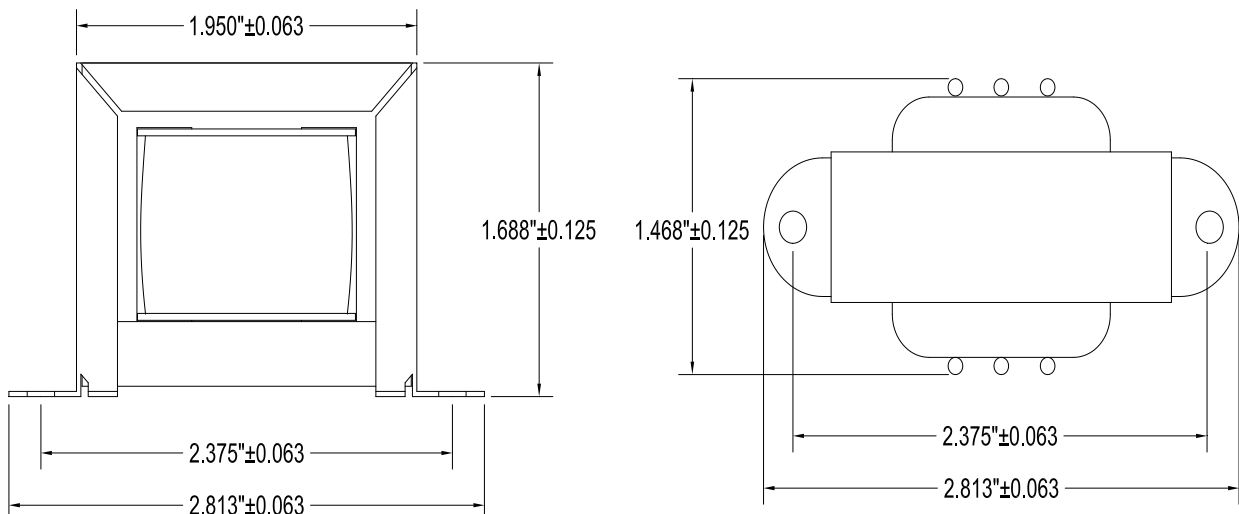
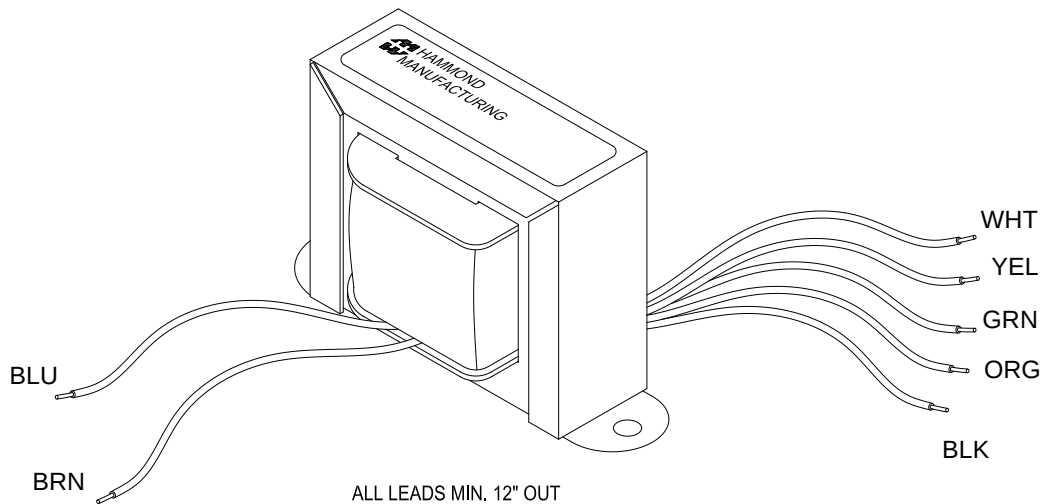


125ASE

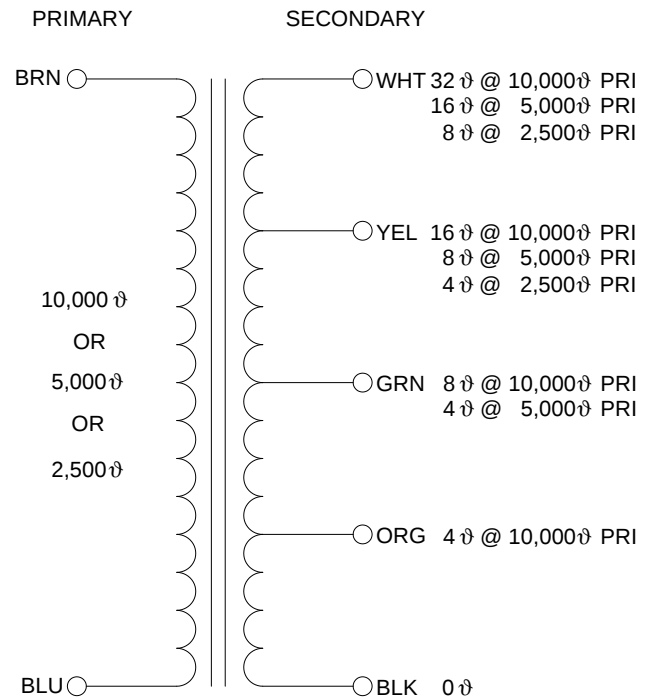
UNIVERSAL SINGLE ENDED TUBE OUTPUT TRANSFORMER

-) 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**

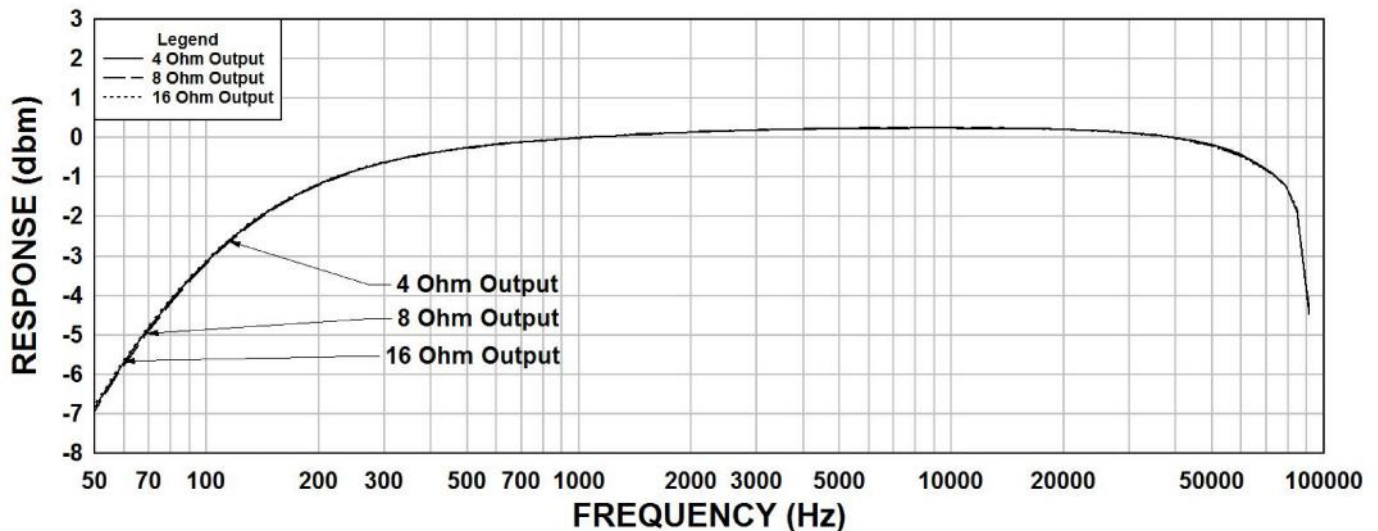
<u>Characteristic</u>	<u>Typical</u>
Input Impedance	2500 - 10000 $\varnothing$
Output Impedance	4/8/16/32 $\varnothing$
Output Power	3 Watts
Max. DC Bias	25 mA
Primary - DCR	
Blue – Brown	242 $\varnothing$
Secondary DCR	
Black – Orange	272 m $\varnothing$
Black – Green	366 m $\varnothing$
Black – Yellow	500m $\varnothing$
Black – White	700m $\varnothing$
Inductance	@ 1.0 kHz, 1.0 V OC
Primary – Blue – Brown	5.0 Hy
Sec – Black – Orange	3.0 mH
Sec – Black – Green	6.0 mH
Sec – Black – Yellow	12.2 mH
Sec – Black – White	24.5 mH
Impedance	
@ 1.0 kHz, 1.0 V OC	
Primary – Blue – Brown	28.8 K $\varnothing$
Sec – Black – Orange	18.1 $\varnothing$
Sec – Black – Green	36.4 $\varnothing$
Sec – Black – Yellow	73.3 $\varnothing$
Sec – Black – White	147.5 $\varnothing$
Frequency Response	See graphs for specific response, Typ. $\{$ 1.0db from 100Hz to 15KHz
Dielectric Strength	1500Vrms
Temperature Range	-40 To 105 $\varnothing$ C

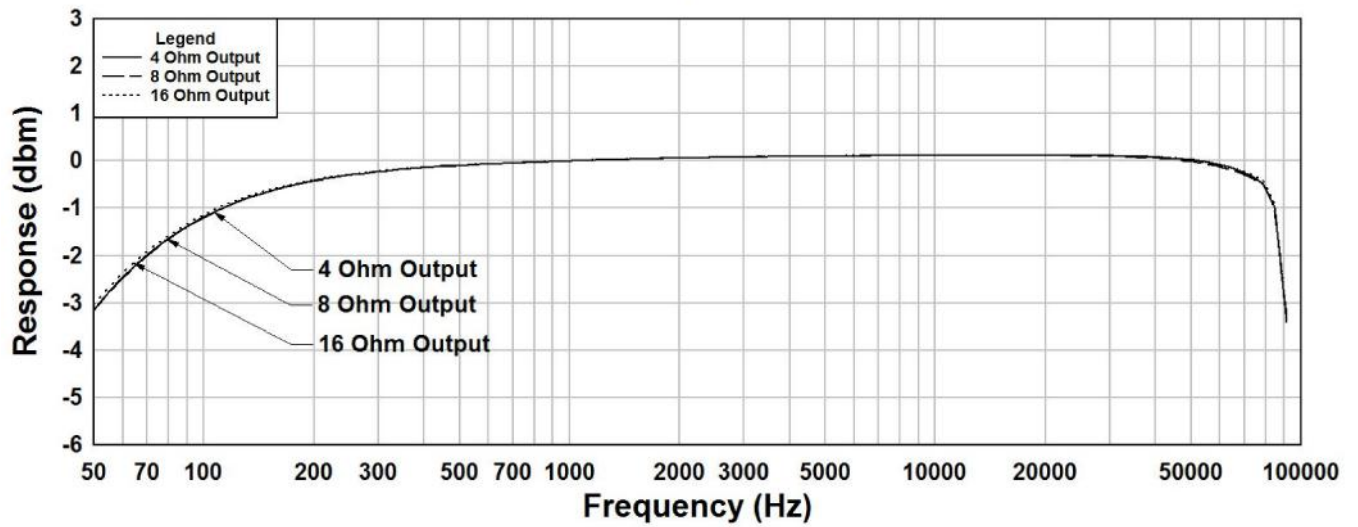
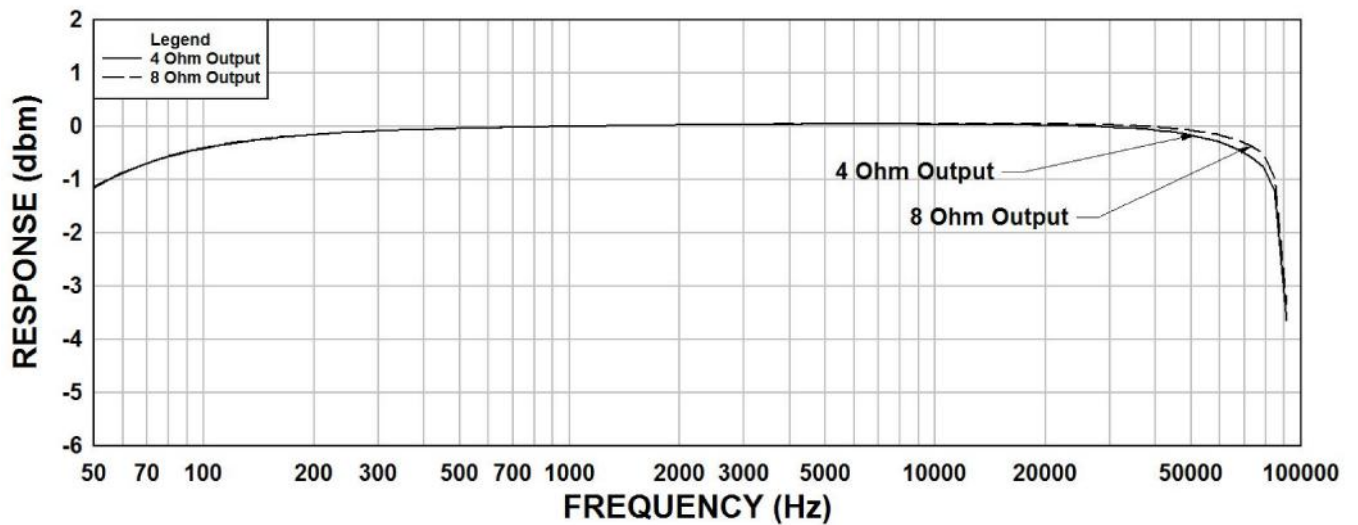
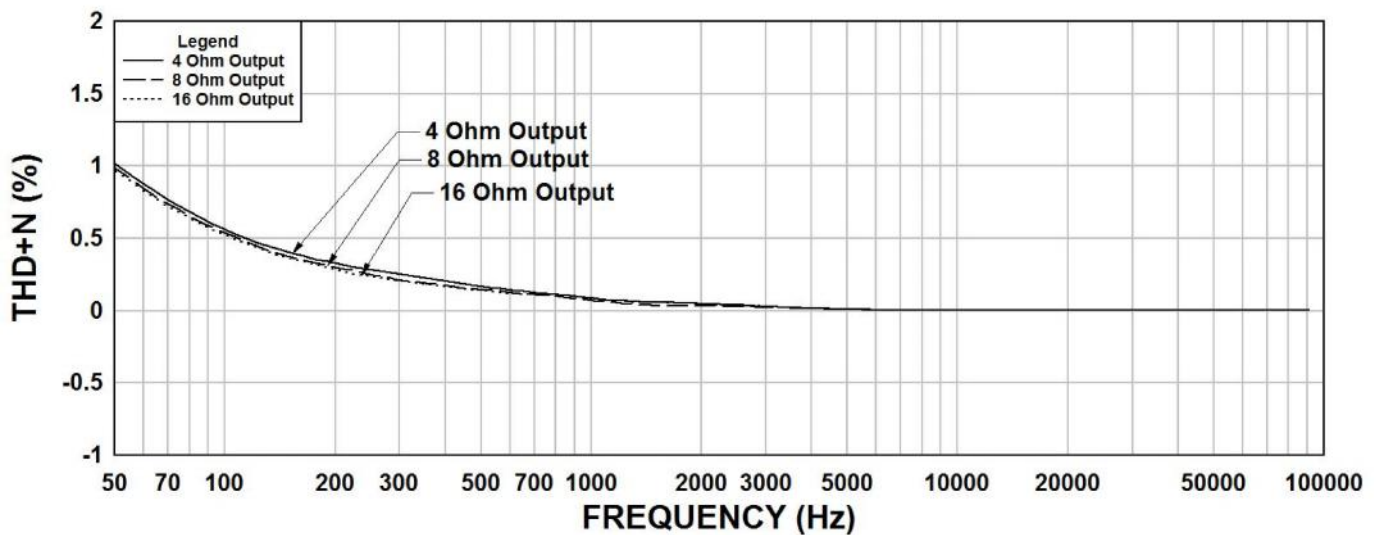
Schematic and Hook Up Data**125ASE**

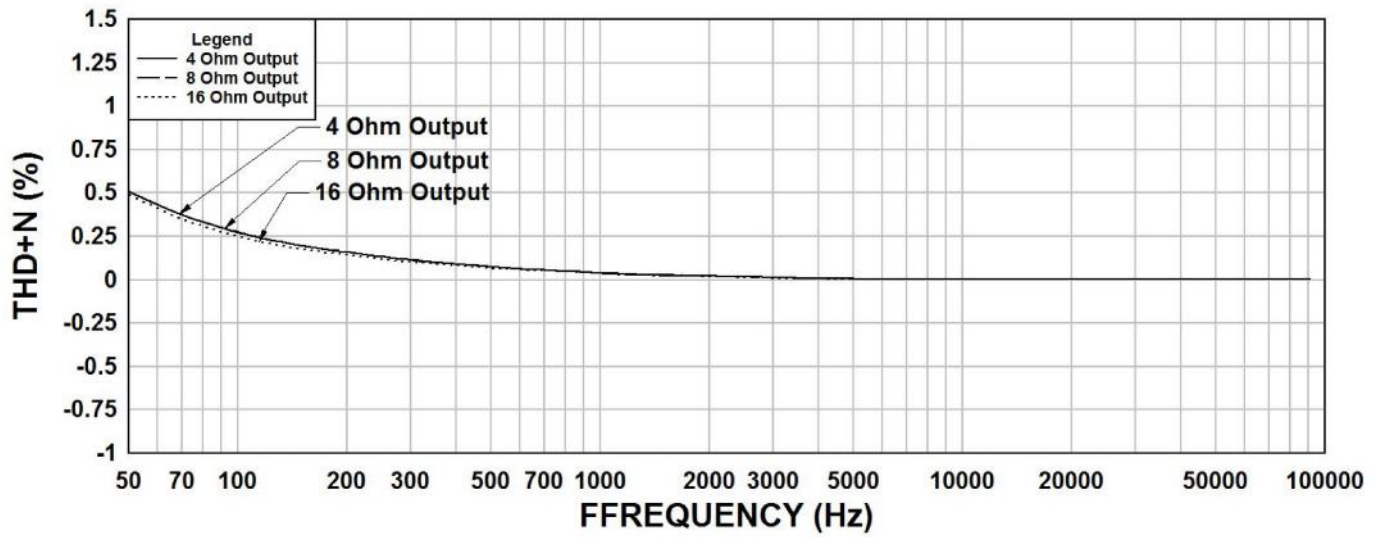
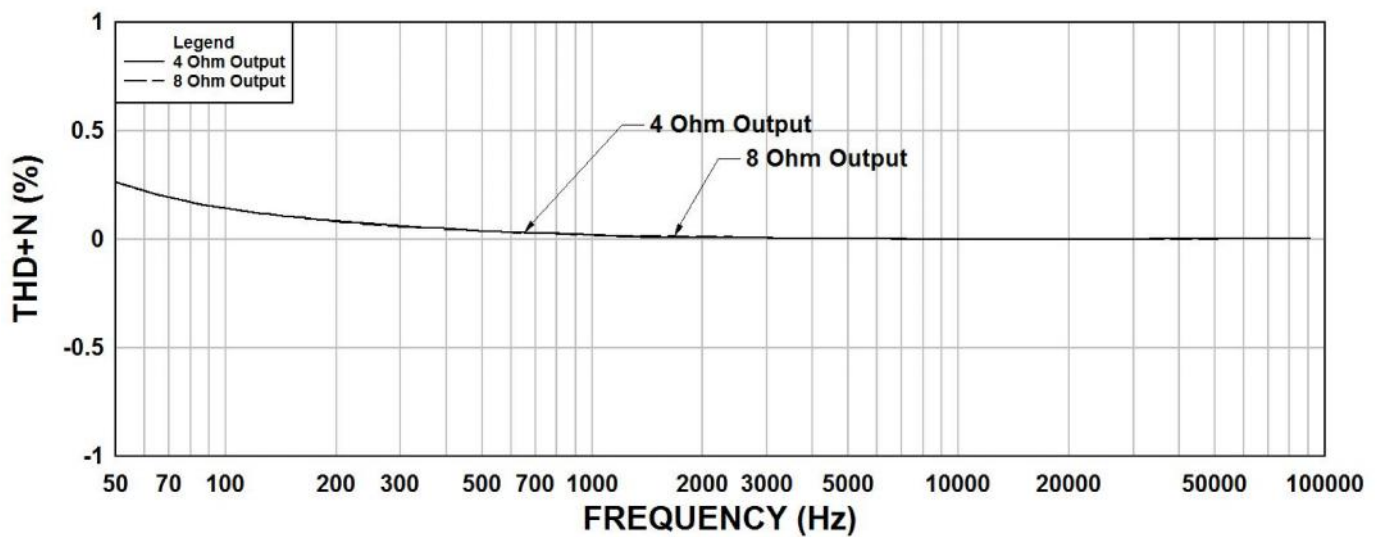
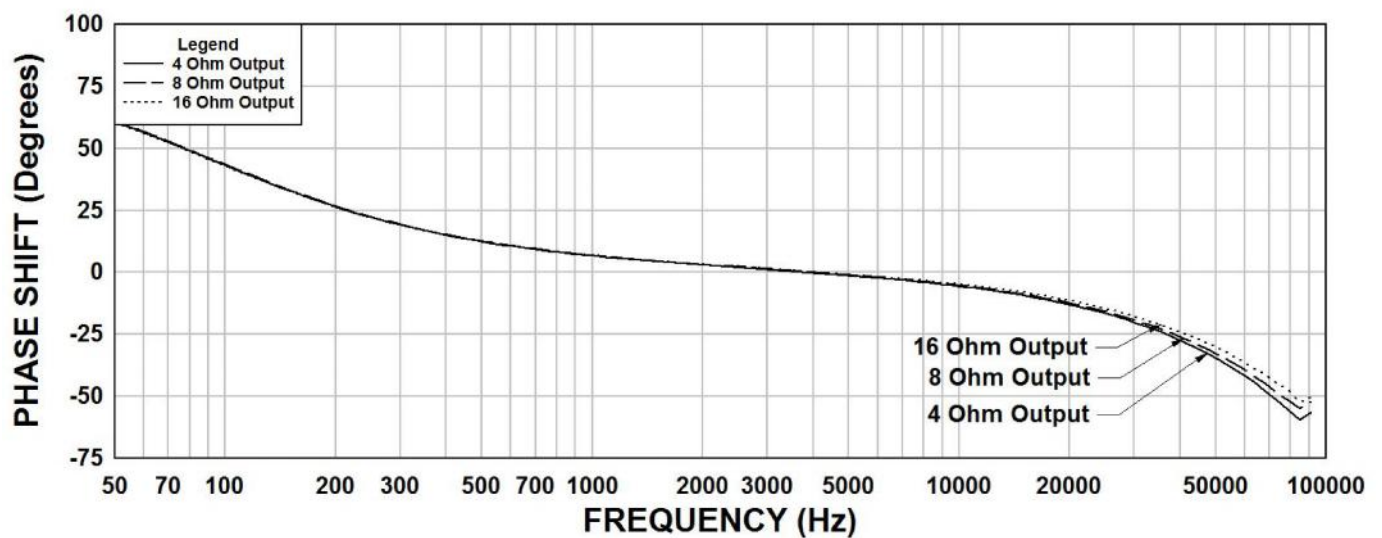
SINGLE ENDED AUDIO 3W 25mA DC
PRI: 10,000; 5,000; 2,500 OHM
SEC: 4, 8, 16, 32 OHM

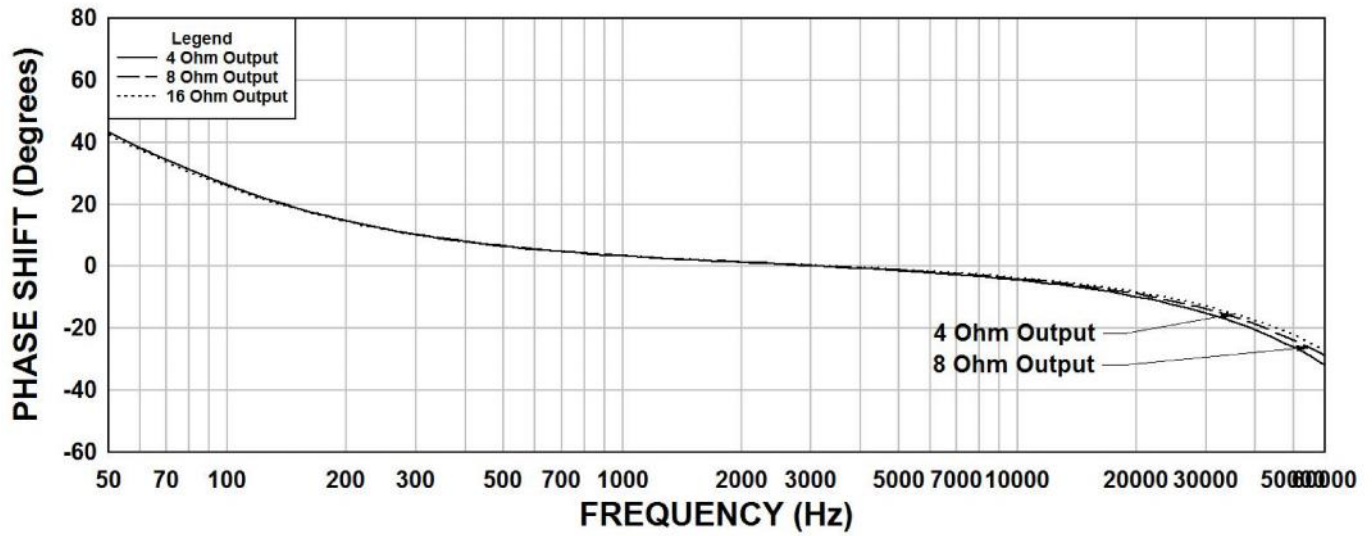
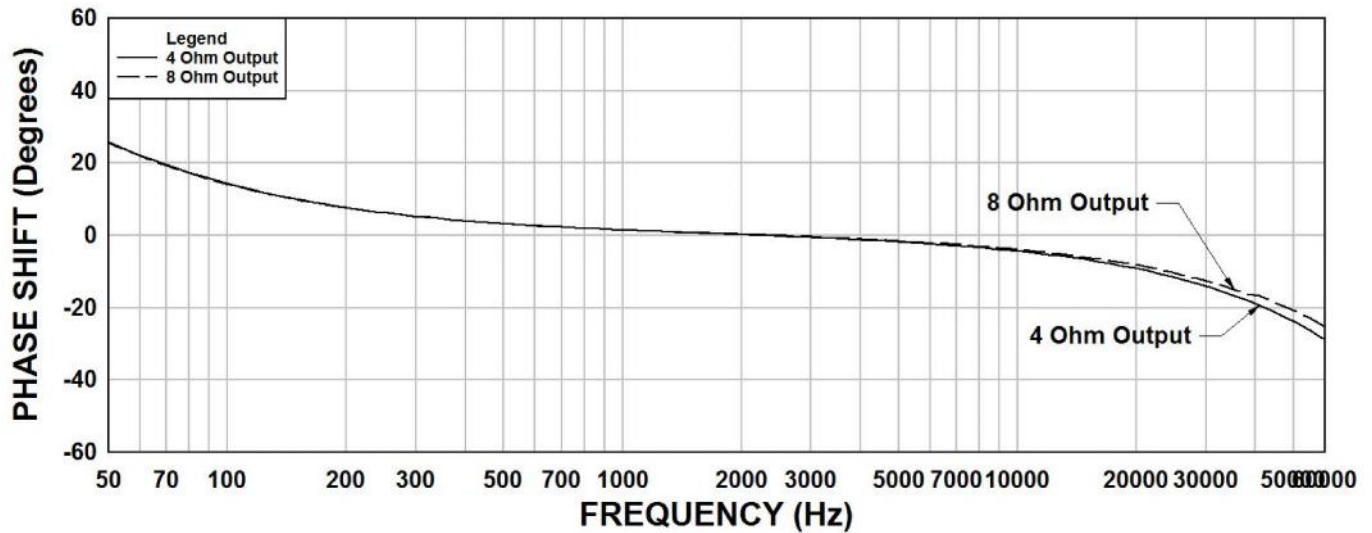
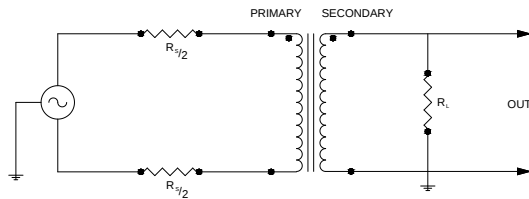
DATE CODE

MADE IN CANADA

125ASE Frequency Response Rs=10k $\varnothing$ 

125ASE Frequency Response $R_s=5k\Omega$ **125ASE Frequency Response $R_s=2500\Omega$** **125ASE THD+N $R_s=10k\Omega$** 

125ASE THD+N $R_s=5k\Omega$ **125ASE THD+N $R_s=2500\Omega$** **125ASE Phase Shift $R_s=10k\Omega$** 

125ASE Phase Shift $R_s=5k\Omega$ **125ASE 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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