



106 Series

MINIATURE EPOXY-POTTED AUDIO TRANSFORMER

106C

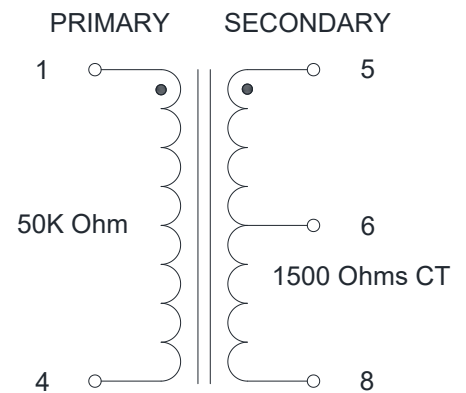
Features:

- Bifilar winding technique used on center tapped units for balanced resistive and capacitive characteristics.
- Rugged black epoxy potted construction produces a completely sealed unit withstanding severe environmental conditions including those of MIL-T-27 (Grade 5, Class S).
- Frequency response: $\pm 1.0\text{dB}$ 215Hz – 20KHz @ 10dBu
- P.C. board mount - square pin type (0.025" square typical)
- Peak working voltage rating : 200Vp-p
- Maximum operating altitude : 50,000 ft.
- Weight: 1.44 oz.

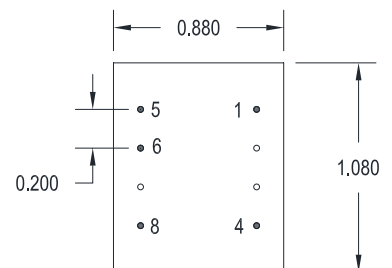
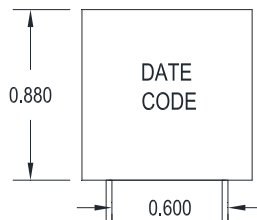
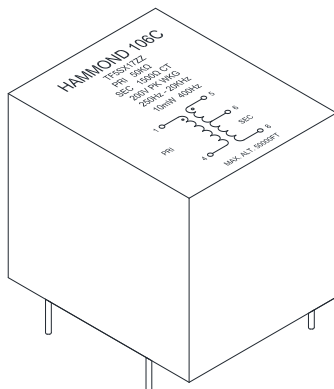
ELECTRICAL SPECIFICATIONS

Characteristics	Typical	
PRI Impedance	50K Ohms	
SEC Impedance	1500 Ohms CT	
Output Power	10mW	
DCR Pin 1 - 4	2300 Ohms ±15%	
DCR Pin 5 - 6	25.145 Ohms ±15%	
DCR Pin 6 - 8	25.150 Ohms ±15%	
Dielectric Strength	500V RMS	
Temperature class	105°C	
PRI Inductance Impedance	1V @ 1KHz OC	
Pin 1 - 4	27H	186K Ohms
PRI Leakage Inductance	1V @ 1KHz SC	
Pin 1 - 4	167.28mH	

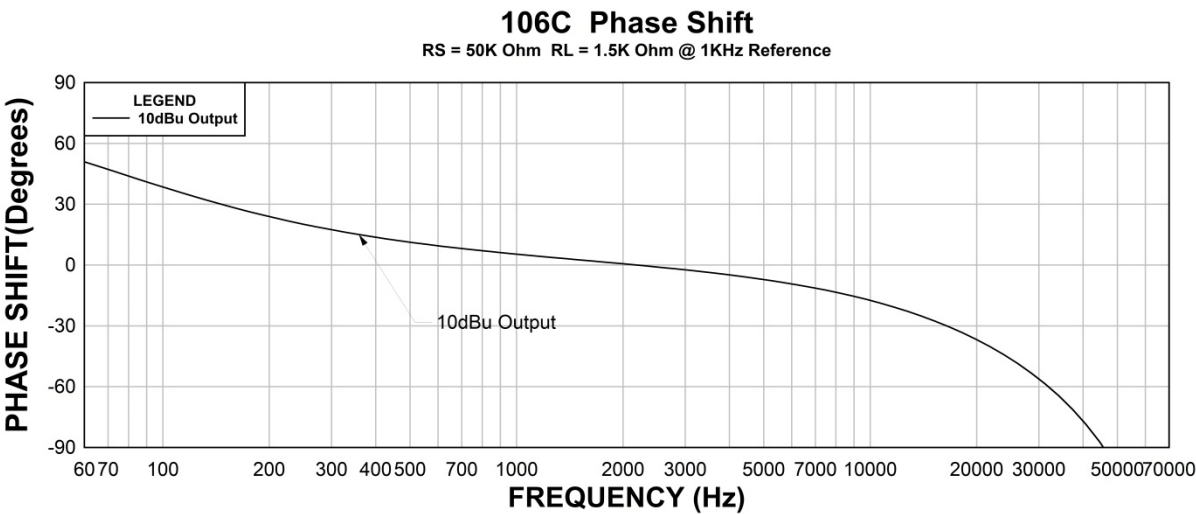
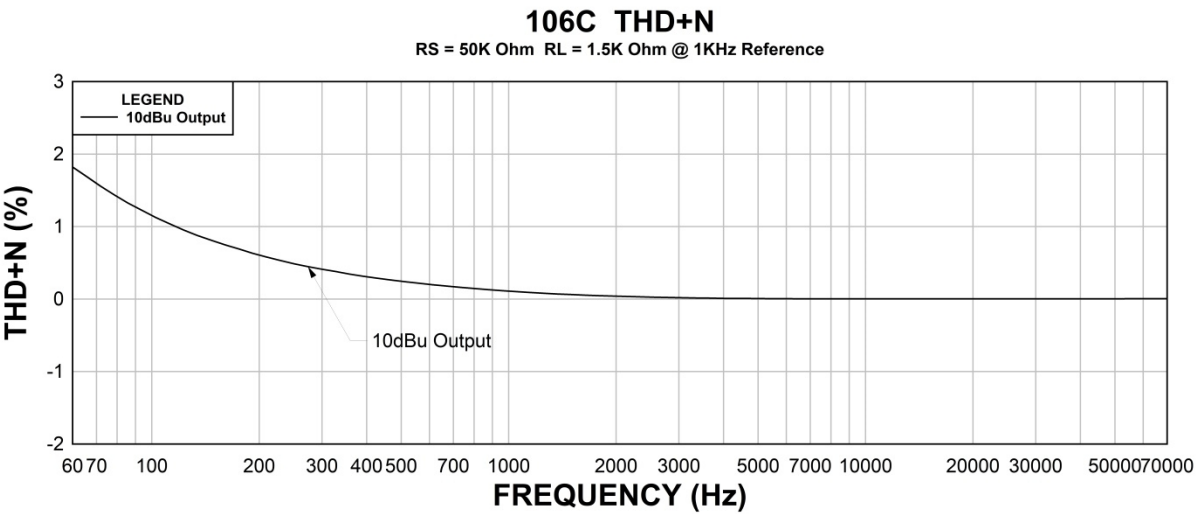
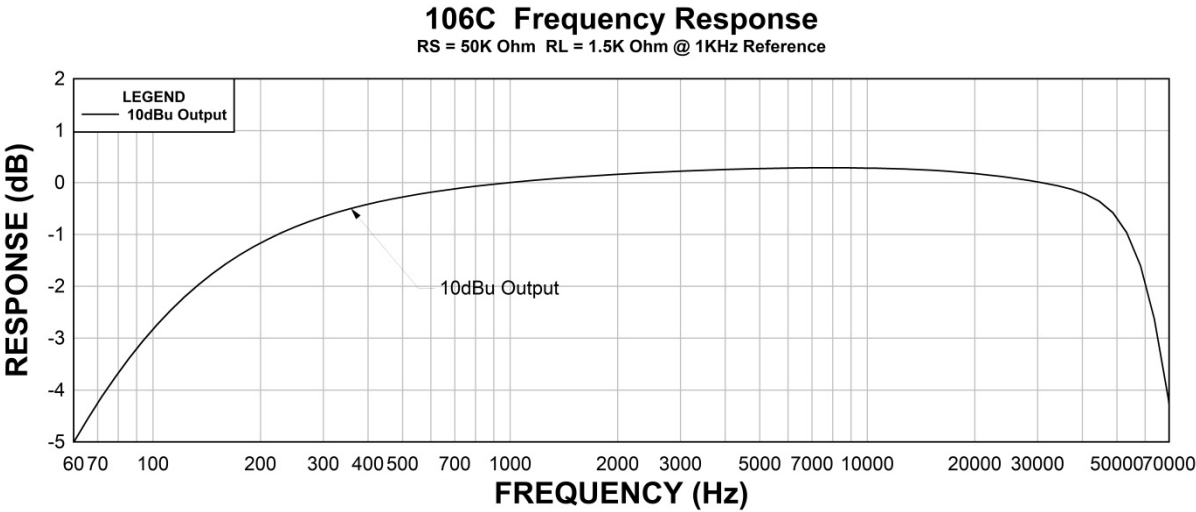
SCHEMATIC DIAGRAM



DIMENSIONAL DETAILS:



PERFORMANCE GRAPHS:



MEASUREMENT INSTRUMENTS

- dScope Series III Audio Analyzer
- Wayne Kerr 3255B with a 3265B Inductance Analyzer
- HP 4192a LF Impedance Analyzer
- Keithley 2010 DVM

**The results are typical and are subject to normal manufacturing and electrical tolerances.

TEST CONDITIONS

