

197 Series High Frequency Reactors

197AB25

Features:

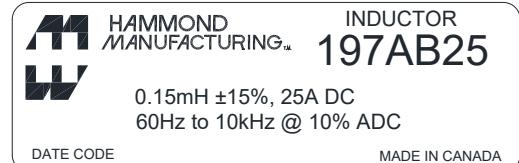
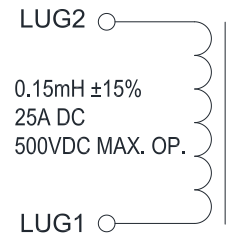
- High permeability core ideal for applications <50Khz
- High self-resonant frequency values
- Rugged construction with aluminum base and stainless steel band
- Open-style terminal for maximum versatility
- Weight: 2.5 lbs.



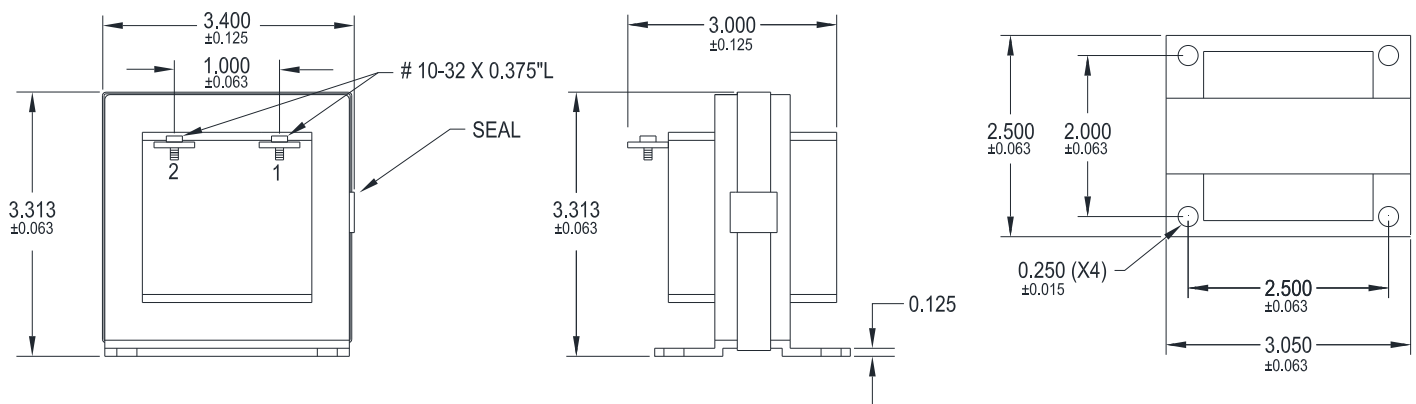
ELECTRICAL SPECIFICATIONS

Characteristic	Typical
Inductance with bias	0.150mH $\pm 15\%$ @ 25ADC
Operating Frequency	60Hz – 10KHz
Self-Resonant Frequency	1452.0 KHz
Impedance @ SRF	4.50K Ohms
Ripple Current	20% peak-to-peak
DCR	10m Ω $\pm 15\%$ @20°C
Dielectric Strength	2500V RMS
Temperature Range	-40 To 105°C
Core material	Carbonyl Iron Powder

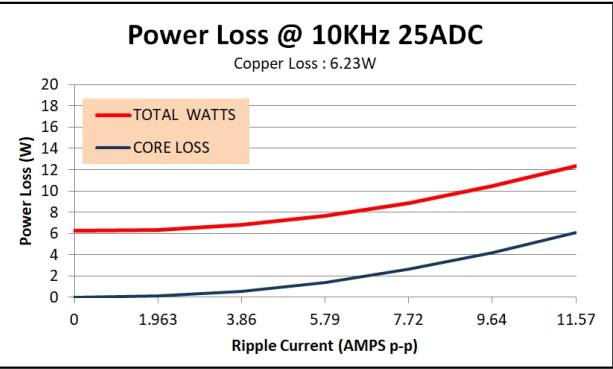
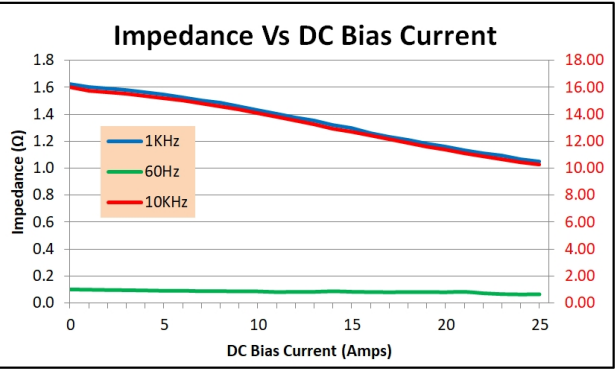
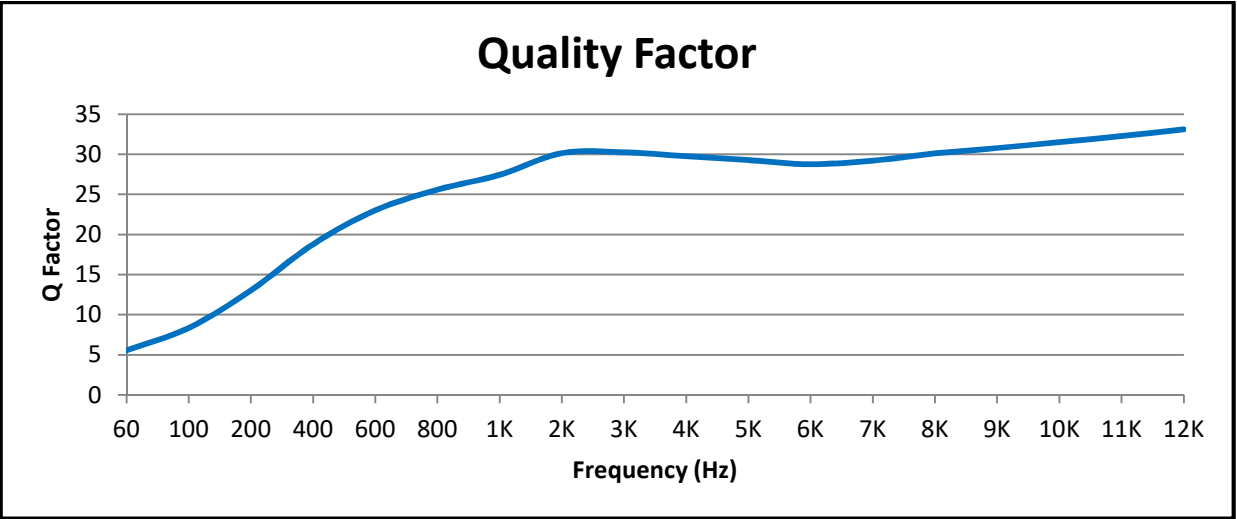
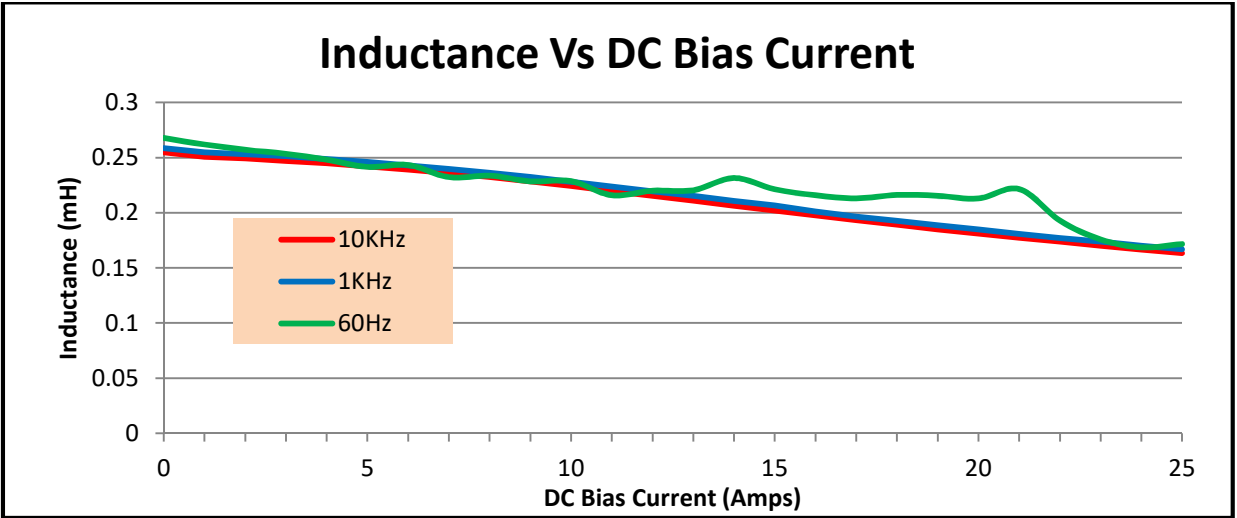
SCHEMATIC



DIMENSIONAL DETAILS:



PERFORMANCE GRAPHS:



MEASUREMENT INSTRUMENTS	TEST & DIMENSIONAL CONDITIONS
- Voltech DC1000A Precision DC Bias Current Source - Wayne Kerr 3255B with a 3265B Inductance Analyzer - Agilent E4980A Precision LCR Meter - HP 4192A LF Impedance Analyzer - Keithley 2010 DVM	- Performance graphs @1.0 volt AC drive. - Power loss computation from core manufacturer's data. - The results are typical and are subject to normal manufacturing and electrical tolerances.