

197 Series High Frequency Reactors

197B10

Features:

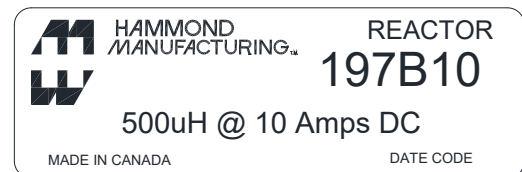
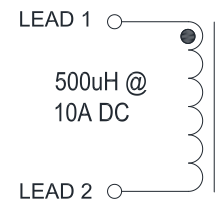
- High permeability core ideal for applications <50Khz
- High self-resonant frequency values
- Universal channel frame package for maximum versatility
- Insulated flexible leads 6" minimum
- Weight: 14 oz.



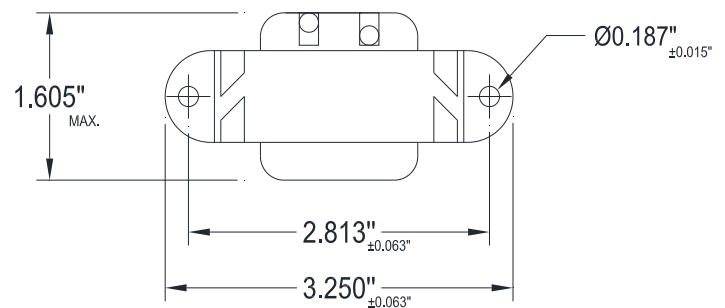
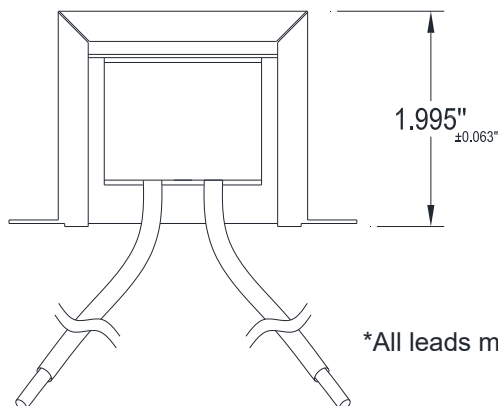
ELECTRICAL SPECIFICATIONS

Characteristic	Typical
Inductance with bias	500uH ±15% @ 10ADC
Operating Frequency	60Hz – 10KHz
Self-Resonant Frequency	471.6 KHz
Impedance @ SRF	9.46K Ohms
Ripple Current	20% peak-to-peak
DCR	67mΩ ±15% @20°C
Dielectric Strength	2000V RMS
Temperature Range	-40 To 105°C
Core material	Carbonyl Iron Powder

SCHEMATIC

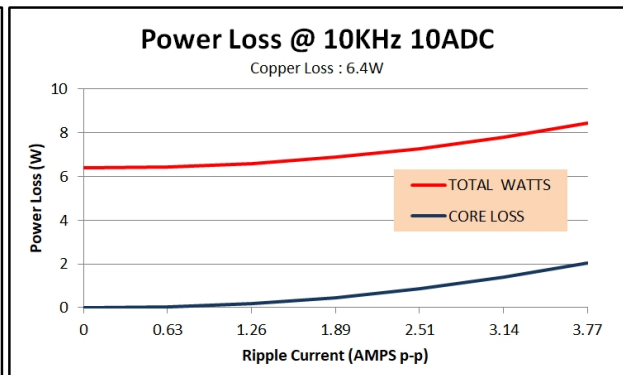
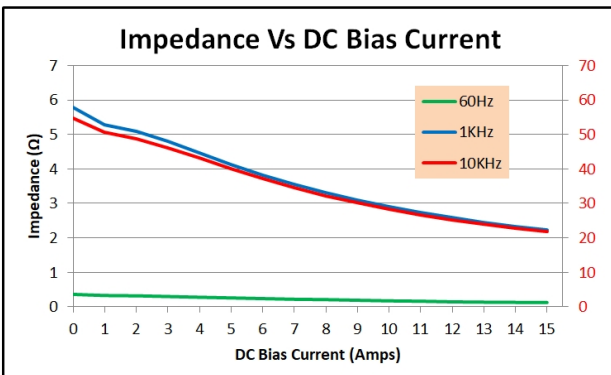
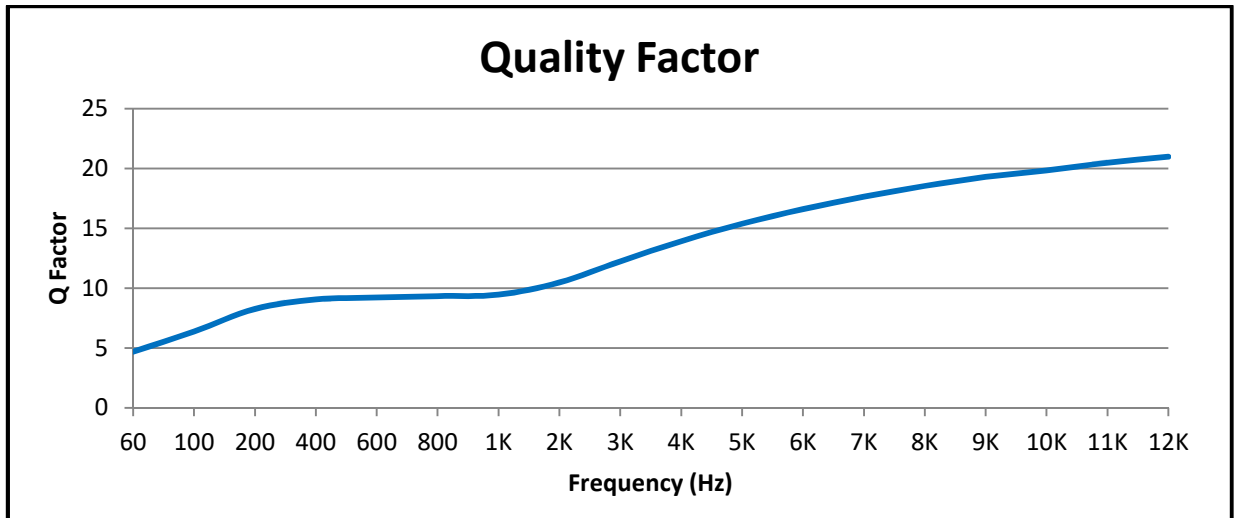
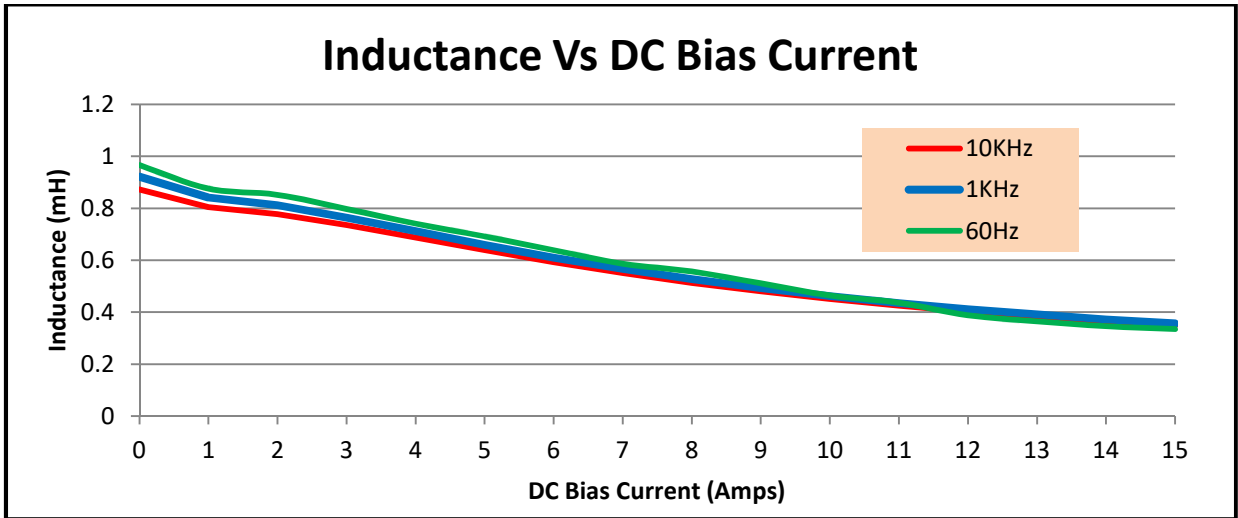


DIMENSIONAL DETAILS:



*All leads minimum 6" long out.

PERFORMANCE GRAPHS:



MEASUREMENT INSTRUMENTS	TEST & DIMENSIONAL CONDITIONS
<ul style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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. Dimensional tolerance ± 0.063 unless otherwise specified.