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197 Series High Frequency Reactors

197C15

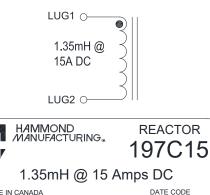
Features:

- 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: 6.0 lbs.

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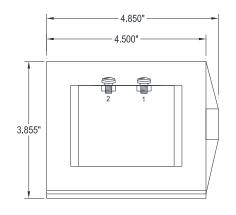
ELECTRICAL SPECIFICATIONS			
Characteristic	Typical		
Inductance with bias	1.35mH ±15% @ 15ADC		
Operating Frequency	60Hz – 10KHz		
Self-Resonant Frequency	289.05 KHz		
Impedance @ SRF	19.84K Ohms		
Ripple Current	20% peak-to-peak		
DCR	29mΩ ±15% @20°C		
Dielectric Strength	2500V RMS		
Temperature Range	-40 To 105°C		
Core material	Carbonyl Iron Powder		

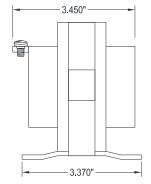


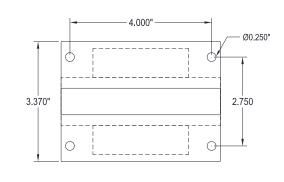


MADE IN CANADA

DIMENSIONAL DETAILS:



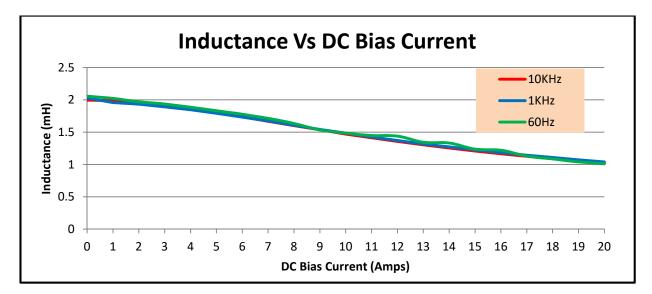


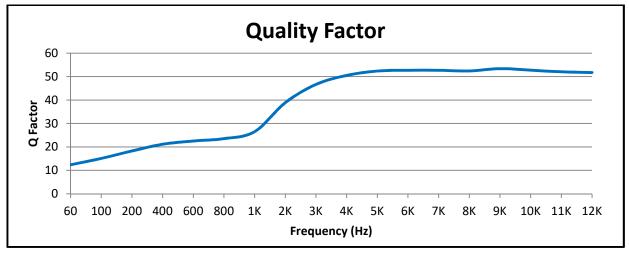


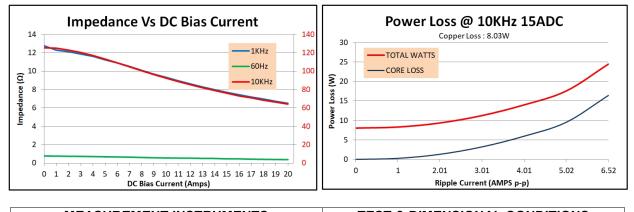
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PERFORMANCE GRAPHS:







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. Dimensional tolerance ±0.063". 	