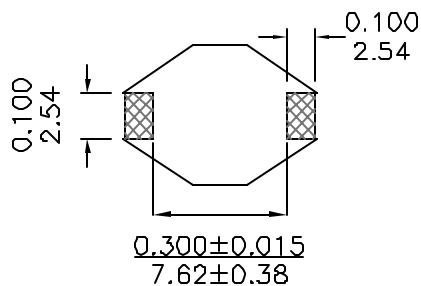
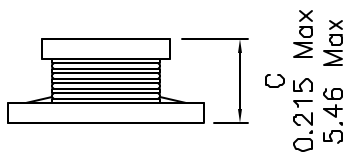
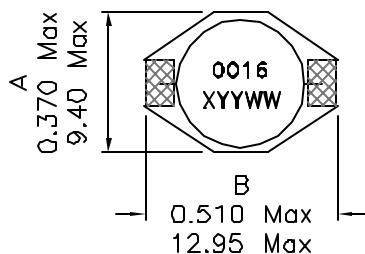
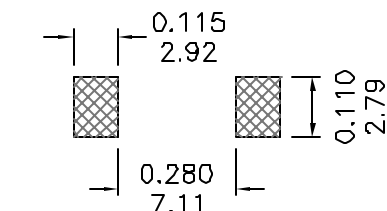


1. Mechanical Dimensions:



BOTTOM VIEW



SUGGESTED MOUNTING PAD

2. Schematic:



3. Electrical Specifications: @25°C

INDUCTANCE: 1.0uH±20% @100KHz 0.1V

Q: 8 Min @100KHz 0.1V

DCR: 0.009 Ohms Max

I_{sat}: 9.0Adc (Based on a 10% drop in OCL)

I_{rms}: 6.8A (Based on a 40°C Temp Rise)

SRF: 100MHz Typ

Notes:

1. Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: > 28%
4. Insulation System: Class F 155°C. UL file E151556
5. Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +85°C
6. Storage Temperature Range: -55°C to +125°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity: ±0.004"(0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component

DOC. REV: A/6

XFMRs Inc www.XFMRS.com	Title: XFMSD1 SERIES INDUCTOR		
	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 INCH Dimensions in INCH/MM	P/N: XFO016S1	REV. A
SHEET 1 OF 1	DWN.	Feng	Feb-20-12
	CHK.	YK Liao	Feb-20-12
	APP.	Joe Huff	Feb-20-12