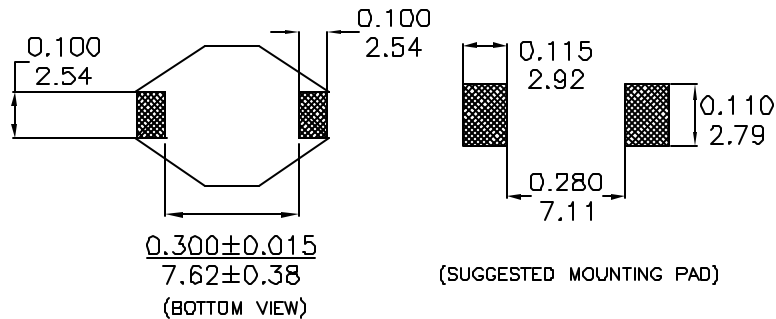
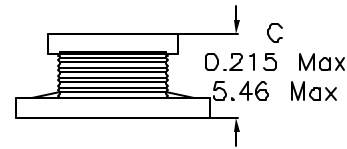
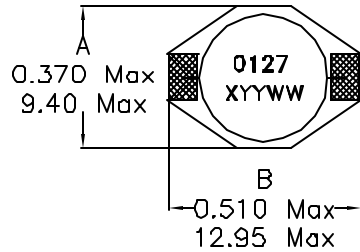


## 1. Mechanical Dimensions:

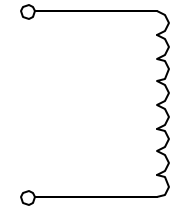


### Notes:

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:  $\pm 0.004"$  (0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component

DOC REV: A/2

## 2. Schematic:



## 3. Electrical Specifications: @25°C

INDUCTANCE: 1.2uH $\pm$ 20% @100KHz 0.1V

Q: 5 Min @100KHz 0.1V

DCR: 0.009 Ohms Max

Isat: 9.0Adc (Based on a 10% drop in OCL)

Irms: 6.8A (Based on a 40°C Temp Rise)

SRF: 100MHz Typ

**PROPRIETARY** Document is the property of XFMRS Group & is not allowed to be duplicated without authorization.

<b>XFMRS Inc</b> www.XFMRS.com	Title: XFSMD1 SERIES INDUCTOR		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx $\pm$ 0.010 INCH Dimensions in INCH/MM	P/N: XFO127S1		REV. A
	DWN.	Feng	Mar-01-12
	CHK.	YK Liao	Mar-01-12
SHEET 1 OF 1	APP.	Joe Hfuf	Mar-01-12