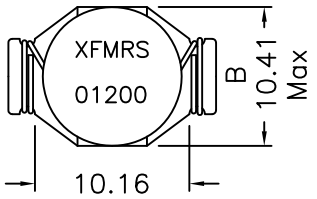
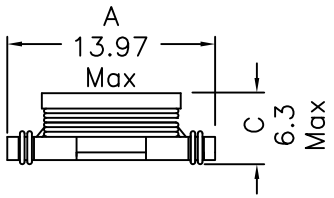
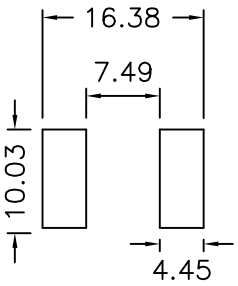
1. Mechanical Dimensions:

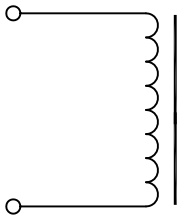






PCB LAYOUT

2. Schematic:



3. Electrical Specs:

OCL: 12.0uH±20% @100KHz, 0.1V

Q: tbd Min @100KHz, 0.1V

DCR: 0.036 Ohms Max

SRF: 27 MHz typ.

Irms: 3.50Adc (based on 40° C Temp Rise)

Isat: 3.4Adc (based on 10% drop in OCL)

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

XFMRS Inc www.XFMRS.com	Title: SMD Inductor		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.010 Dimensions in MM	P/N: 1XF01200S1M		REV A
	DWN.	Feng	Nov-07-12
	CHK.	YK Liao	Nov-07-12
SHT 1 OF 1	APP.	BSJ	Nov-07-12

DOC. REV: A/-

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