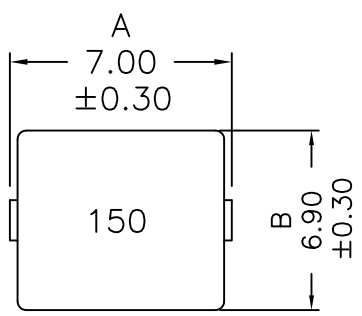
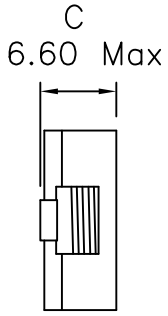
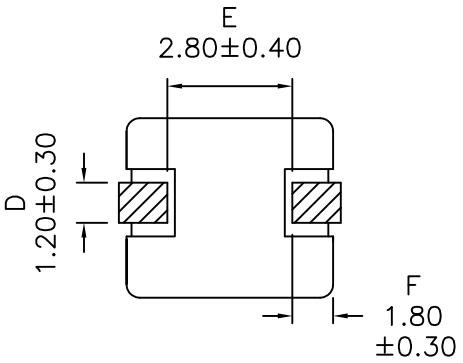
1. Mechanical Dimensions:



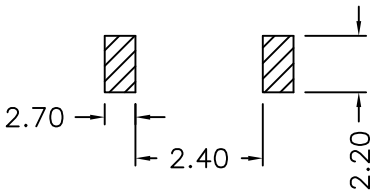
Top view



Side view

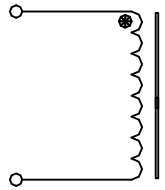


Bottom view



Typical Pad Layout

2. Schematic:



3. Electrical Specifications: @25°C

OCL: 15uH±20% @100KHz 0.25V

Q: 8 Min @100KHz 0.25V

DCR: 43.75 mOhms Max

Irms: 6.0Adc (Based on 40°C Temp Rise)

Isat: 5.8Adc (Based on 30% TYP drop in OCL)

SRF: 15 MHz Min

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. All listed parameters are to be within tolerance from -40C to +85C unless otherwise noted
6. Ambient temperature -40°C to +125°C with (40°C rise) Irms current. Maximum part temperature +165°C (ambient + temp rise). Derating.
7. Storage Temperature Range: -55°C to +165°C
8. Aqueous wash compatible
9. SMD Lead Coplanarity: ±0.004"(0.102mm)
10. Electrical and mechanical specifications 100% tested
11. RoHS Compliant Component

DOC. REV: A/2

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XFMRS Inc www.XFMRS.com	Title: SMD INDUCTORS		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM	P/N: XFHCL6MD-150M		REV. A
	DWN.	Xiang	Aug-17-16
	CHK.	YK Liao	Aug-17-16
SHEET 1 OF 1	APP.	GL	Aug-17-16