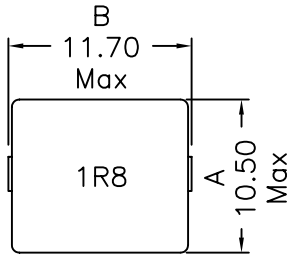
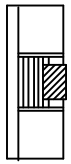
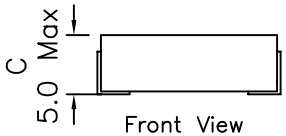
1. Mechanical Dimensions:



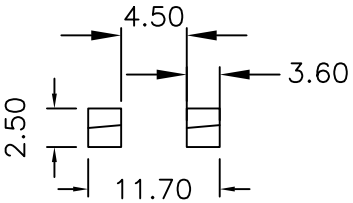
Top view



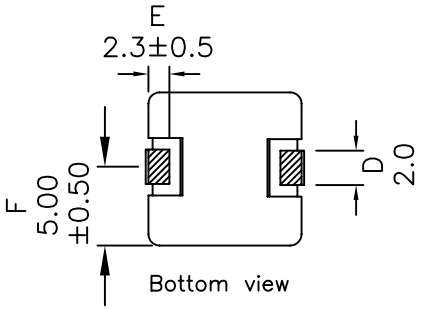
Side view



Front View

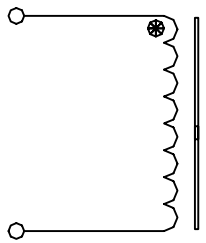


Typical Pad Layout



Bottom view

2. Schematic:



3. Electrical Specifications: @25°C

OCL: 1.8uH±20% @100KHz, 0.1V
OCL: 1.4uH Typ @100KHz, 0.1V, 16Adc
DCR: 3.85mOhms Max
Isat: 18Adc (Based on 30% drop in OCL)
Irms: 16A (Based on 50°C Temp Rise)
Hipot: 250Vac Coil to Core

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 +100°C
6. Storage Temperature Range: -55°C to +155°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/1

XFMRS Inc www.XFMRS.com	Title: SMD POWER INDUCTORS		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM	P/N: XFHCL11MB-1R8M		REV. A
	DWN.	Xianyi	Nov-04-09
	CHK.	YK Liao	Nov-04-09
SHEET 1 OF 1	APP.	BW	Nov-04-09

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