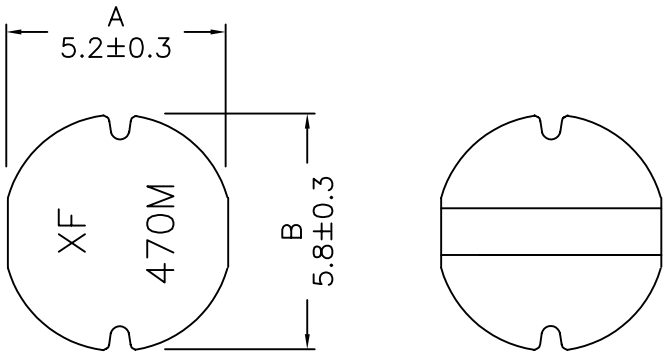
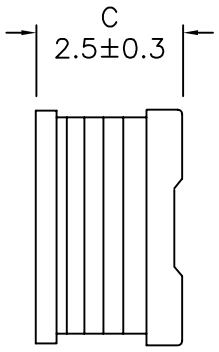
1. Mechanical Dimensions:

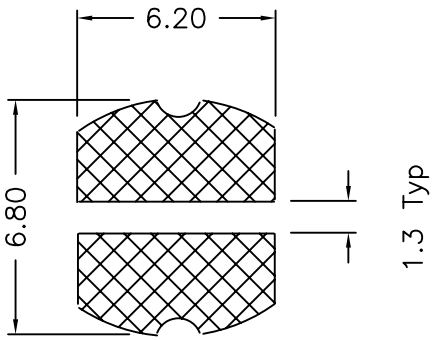


TOP VIEW

BOTTOM VIEW

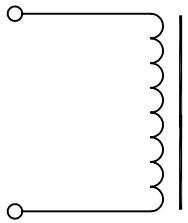


SIDE VIEW



SUGGESTED PAD LAYOUT

2. Schematic:



3. Electrical Specifications:

OCL: 47uH±20% @100KHz 0.1V

DCR: 0.650 Ohms Max

Isat: 0.65Adc (Based on 10% OCL Drop)

Irms: 0.50 A (Based on 40°C Temp Rise)

SRF: 13MHz Min

Q: 15 Typ @2.52MHz, 0.1V

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: XFSDR52 SERIES INDUCTORS		
UNLESS OTHERWISE SPECIFIED	P/N: XFSDR52-470M		REV. A
TOLERANCES: .xx ±0.30 Dimensions in MM	DWN.	刘 鹏	May-18-09
	CHK.	李小锋	May-18-09
Scale 2.5:1 SHT 1 OF 1	APP.	BW	May-18-09

DOC REV: A/1

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