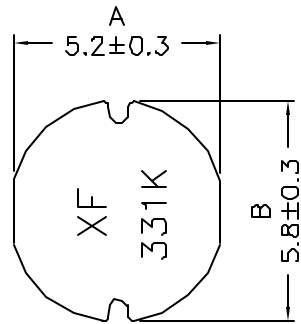
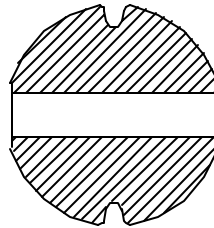


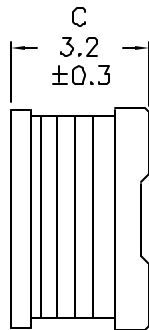
1. Mechanical Dimensions:



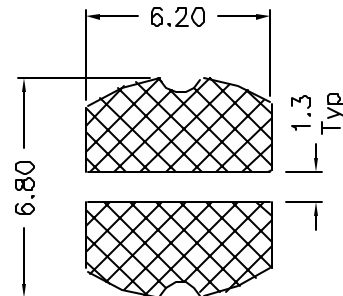
TOP VIEW



BOTTOM VIEW

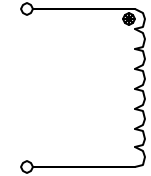


SIDE VIEW



SUGGESTED PAD LAYOUT

2. Schematic:



3. Electrical Specifications: @25°C

OCL: 330uH ± 10% @ 1KHz 1V

Q: 20 Min @ 796KHz 1V

DCR: 3.8 Ohms Max

Isat: 0.22Adc (Based on 10% Typ drop in OCL)

Irms: 0.16Adc Max (Based on 40°C Temp Rise)

SRF: 3.5MHz 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 E15155B
5. Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +125°C
6. Storage Temperature Range: -40°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

DOC REV: A/2

| | | | |
|-----------------------------------|--|-------------------|-----------|
| XFMRs Inc www.XFMRS.com | Title: XFSDR53 SERIES INDUCTORS | | |
| | UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.30 Dimensions in mm | P/N: XFSDR53-331K | REV. A |
| | DWN. | Feng | Feb-18-11 |
| | CHK. | YK Liao | Feb-18-11 |
| SHT 1 OF 1 | APP. | Joe Huff | Feb-18-11 |