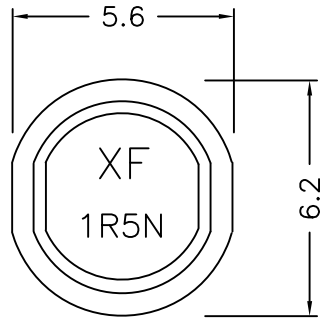
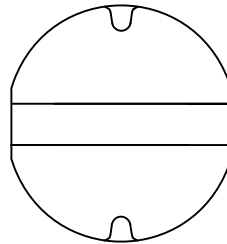


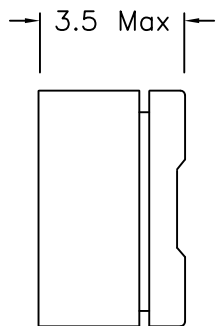
## 1. Mechanical Dimensions:



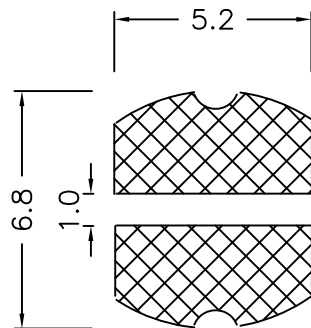
TOP VIEW



BOTTOM VIEW

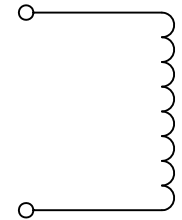


SIDE VIEW



SUGGESTED PAD LAYOUT

## 2. Schematic:



## 3. Electrical Specs:

OCL:  $1.5\mu\text{H} \pm 30\%$  @100KHz, 0.1V

DC Res.: 0.016 Ohms  $\pm 30\%$

Isat: 5Adc Max (Based on 30% Drop in OCL)

Q: 5 Min @100kHz 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  $-40^\circ\text{C}$  to  $+85^\circ\text{C}$
6. Storage Temperature Range:  $-55^\circ\text{C}$  to  $+125^\circ\text{C}$
7. Aqueous wash compatible
8. SMD Lead Coplanarity:  $\pm 0.004''$  (0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component

|                                                                                 |                     |                                     |           |
|---------------------------------------------------------------------------------|---------------------|-------------------------------------|-----------|
| <b>XFMRs Inc</b><br>www.XFMRS.com                                               |                     | Title: <b>Shielded SMD Inductor</b> |           |
| UNLESS OTHERWISE SPECIFIED<br>TOLERANCES:<br>.xx $\pm 0.30$<br>Dimensions in MM | P/N: XFSDR63SH-1R5N |                                     | REV A     |
|                                                                                 | DWN.                | Xianyi                              | May-29-14 |
|                                                                                 | CHK.                | YK Liao                             | May-29-14 |
| Scale 2.5:1 SHT 1 OF 1                                                          | APP.                | BW                                  | May-29-14 |

DOC. REV: A/1

**PROPRIETARY**

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