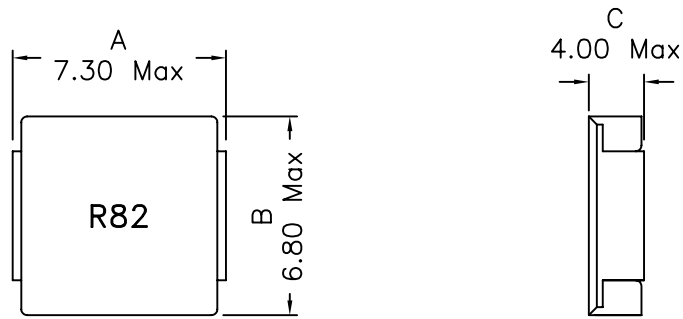
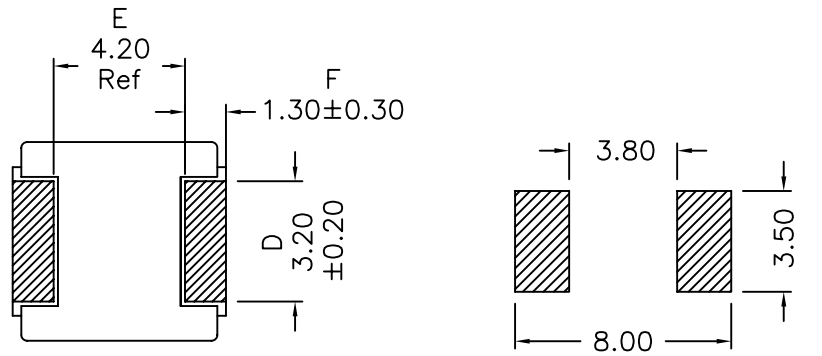


## 1. Mechanical Dimensions:



Top view



Bottom view

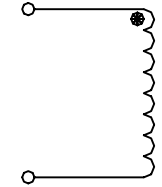
SUGGESTED LAND PATTERN

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

DOC. REV: A/1

## 2. Schematic:



## 3. Electrical Specifications: @25°C

OCL:  $0.82\mu\text{H} \pm 20\%$  @100KHz 0.1V

Q: tbd Min @100KHz 0.1V

DCR: 8.4 mOhms Max

Irms: 13Adc (Based on 40°C Temp Rise Typical)

Isat: 24Adc (Based on 20% Typ drop in OCL)

**PROPRIETARY**

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|                                   |  |                    |           |
|-----------------------------------|--|--------------------|-----------|
| <b>XFMRS Inc</b><br>www.XFMRS.com | Title: HIGH CURRENT INDUCTOR   |                    |           |
|                                   | UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx $\pm 0.25$ Dimensions in MM | P/N: XFHCL6MA-R82M | REV. A    |
| SHEET 1 OF 1                      | DWN.   | Feng               | Aug-08-11 |
|                                   | CHK.   | YK Liao            | Aug-08-11 |
|                                   | APP.   | BW                 | Aug-08-11 |