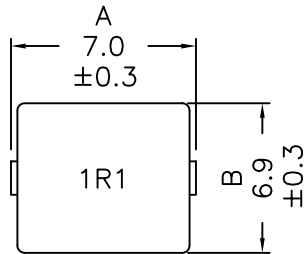
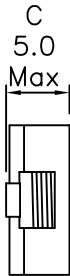


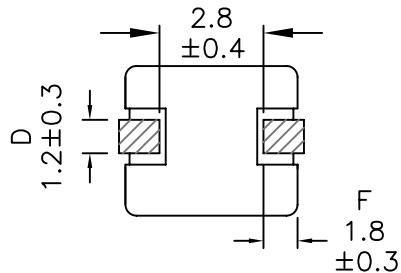
### 1. Mechanical Dimensions:



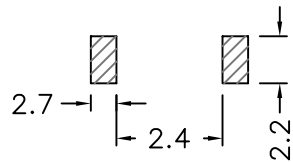
Top view



Side view

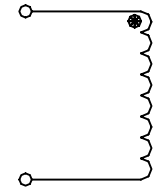


Bottom view



Typical Pad Layout

### 2. Schematic:



### 3. Electrical Specifications:

OCL: 1.10uH±20% @100KHz 0.1V

0.78uH Typ @100KHz 0.1V, 15A

Q: 12 Min @100KHz 0.1V

Isat: 13.0Adc (Based on 30% Typ drop in OCL)

Irms: 15.0Adc Typ (Based on 50°C Temp Rise)

DCR: 3.15 mOhms±10%

SRF: 95MHz 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 E151556
5. Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +150°C
6. Storage Temperature Range: -40°C to +100°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

|                                    |                            |                    |           |
|------------------------------------|----------------------------|--------------------|-----------|
| <b>XFMRs Inc.</b><br>www.XFMRs.com | Title: SMD INDUCTORS       |                    |           |
|                                    | UNLESS OTHERWISE SPECIFIED | P/N: XFHCL6MD-1R1M | REV. A    |
| TOLERANCES:<br>.xx ±0.25           | DWN.                       | Feng               | Jun-21-12 |
| Dimensions in MM                   | CHK.                       | YK Liao            | Jun-21-12 |
| SHEET 1 OF 1                       | APP.                       | BW                 | Jun-21-12 |