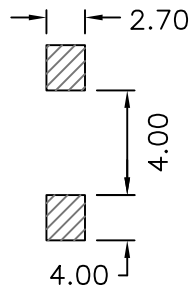
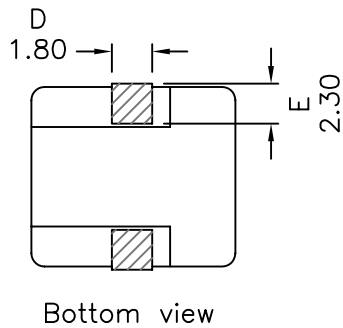
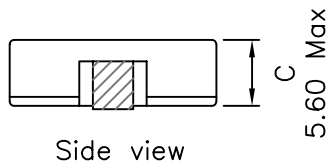
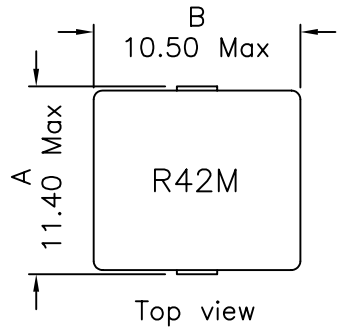


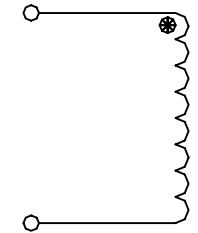
### 1. Mechanical Dimensions:



**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: -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

### 2. Schematic:



### 3. Electrical Specifications: @25°C

OCL: 0.42uH±20% @100KHz 0.1V

Q: tbd Min @100KHz 0.1V

DCR: 1.03 mOhms Max

SRF: 219MHz Typ

Isat: 34.5A (Based on 20% Typ drop in OCL)

Irms: 24.1A (Based on 40°C Temp Rise)

DOC. REV: A/1

|                                   |  |                  |           |
|-----------------------------------|--|------------------|-----------|
| <b>XFMRs Inc</b><br>www.XFMRs.com | Title: <b>INDUCTOR</b>   |                  |           |
|                                   | UNLESS OTHERWISE SPECIFIED<br>TOLERANCES:<br>.xx ±0.25<br>Dimensions in MM | P/N: XFHCL9-R42M | REV. A    |
| SHEET 1 OF 1                      | DWN.   | Feng             | Feb-10-12 |
|                                   | CHK.   | YK Liao          | Feb-10-12 |
|                                   | APP.   | BW               | Feb-10-12 |