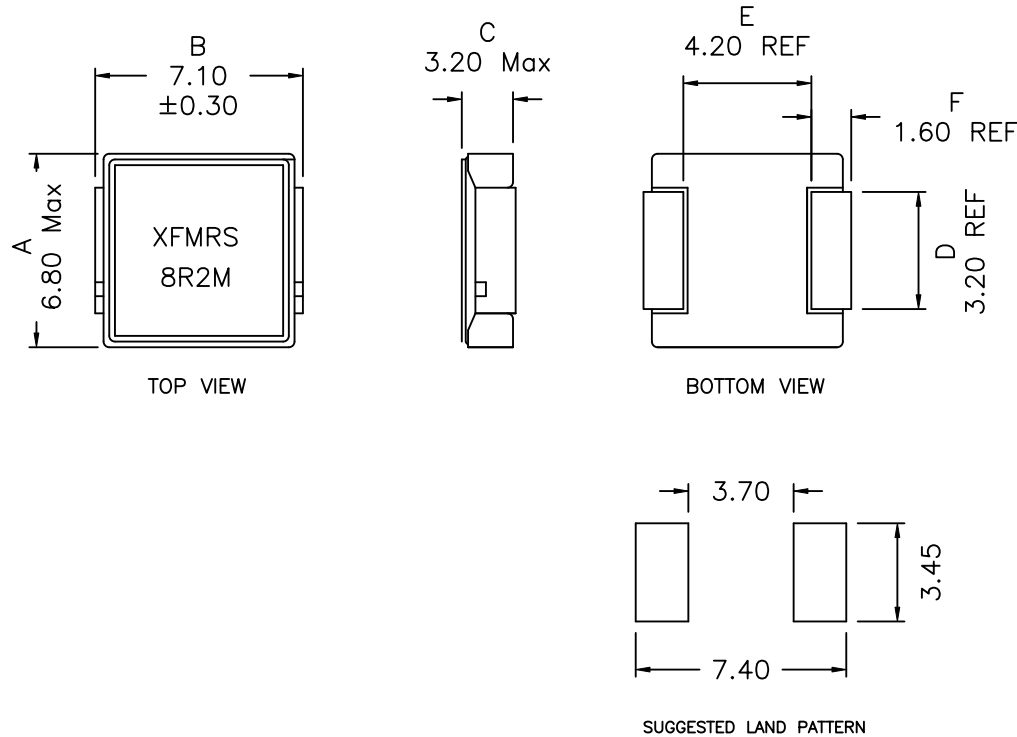
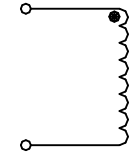


1. Mechanical Dimensions:



2. Schematic:



3. Electrical Specifications: @25°C

OCL: 8.2uH±20% @100KHz 0.25V, 0.0Adc

Q: 30 Min @100KHz 0.25V

Isat: 7.5Adc (Based on 20% drop in OCL)

DCR: 64.0 mOhms Typ 68.0 mOhms Max

IDC(A): 4.0 Max

IR(Coil-Core): 100MOHM MIN @DC 200V

SRF: 5MHz Min

Notes:

- Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
- Flammability: UL94V-0
- ASTM oxygen index: > 28%
- Insulation System: Class F 155°C. UL file E151556
- Operating Temperature: -55°C to +125°C
(Includes temperature when the coil is heated)
- Storage Temperature Range: -55°C to +125°C
- Aqueous wash compatible
- SMD Lead Coplanarity: 0.004"(0.102mm) Max
- Electrical and mechanical specifications 100% tested
- RoHS Compliant Component
- There is insufficient space to mark the tolerance letter on the part
- Outsourced item processed & controlled under XFMR QA system
- AEC-Q200 Certified Product

DOC REV: A/7

| | | | |
|---|--|------------------|-----------|
| XFMR Inc www.XFMR.com | Title: HIGH CURRENT INDUCTOR | | |
| | UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM | P/N: XFHCL6-8R2M | REV. A |
| | DWN. | Huo | Apr-18-23 |
| | CHK. | YK Liao | Apr-18-23 |
| SHEET 1 OF 1 | APP. | AM | Apr-18-23 |