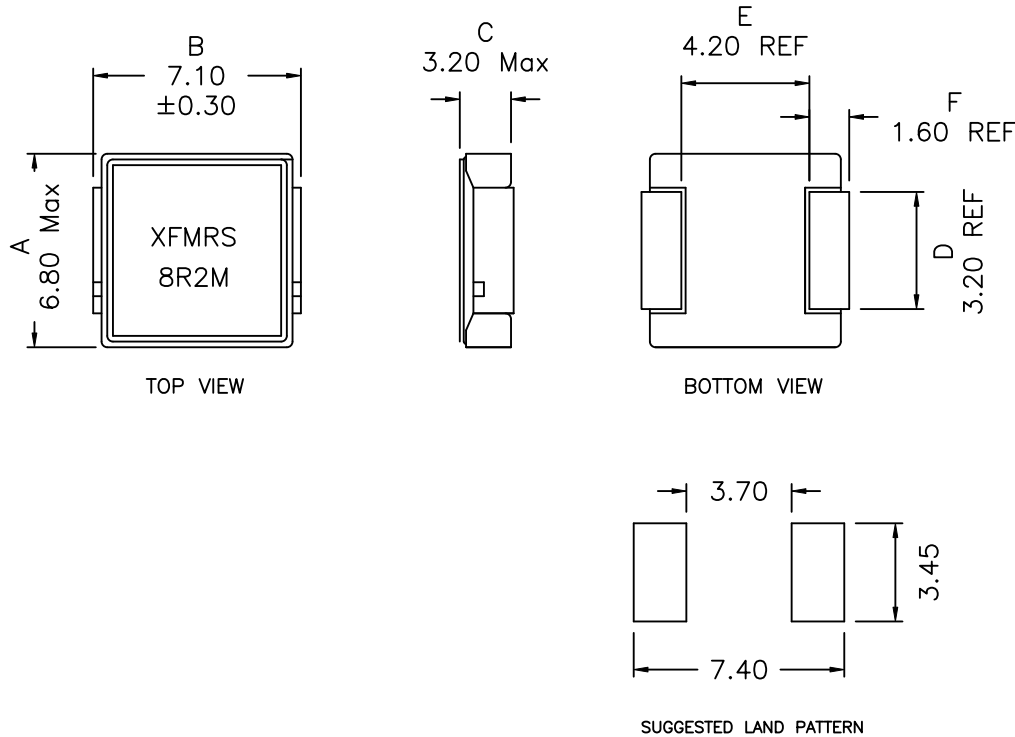
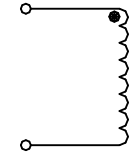


## 1. Mechanical Dimensions:



## 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

<b>XFMR Inc</b> <a href="http://www.XFMR.com">www.XFMR.com</a>	Title: HIGH CURRENT INDUCTOR		
	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM	P/N: XFHCL6-8R2M	REV. A
SHEET 1 OF 1	DWN.	Huo	Apr-18-23
	APP.	YK Liao	Apr-18-23