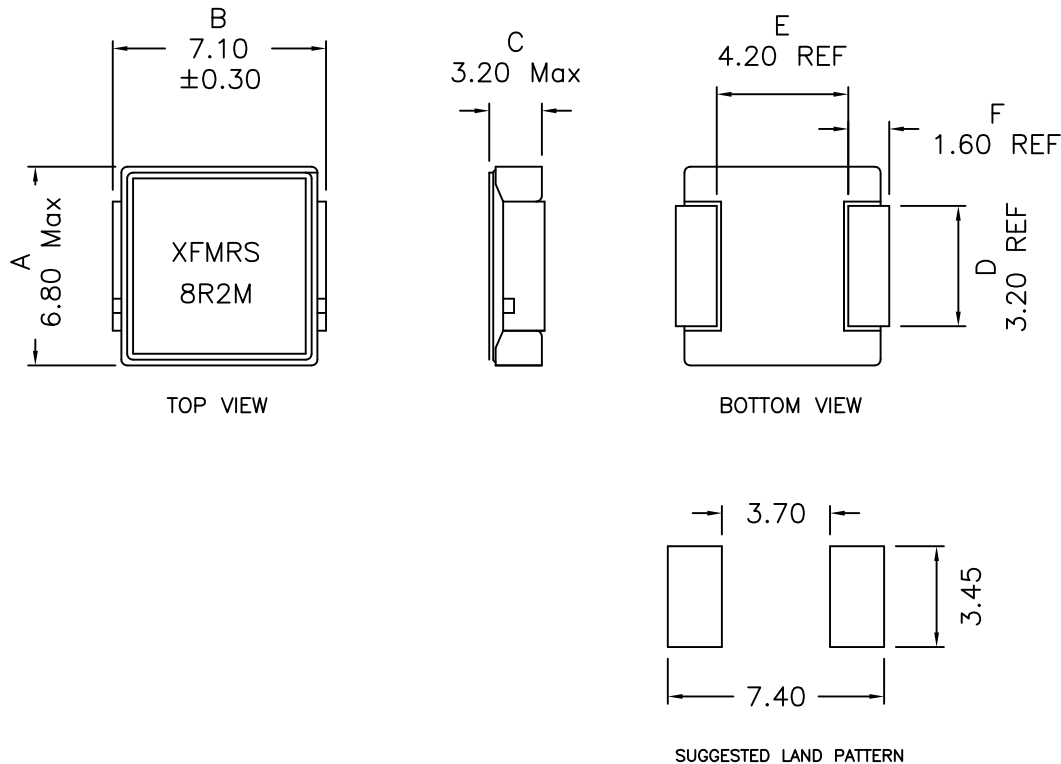
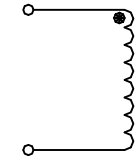


## 1. Mechanical Dimensions:



## 2. Schematic:



## 3. Electrical Specifications:

OCL:  $8.2\mu\text{H} \pm 20\%$  @100KHz 0.25V, 0.0A<sub>dc</sub>  
 Q: 30 Min @100KHz 0.25V  
 Isat: 7.5A<sub>dc</sub> (Based on 20% drop in OCL)  
 DCR: 64.0 mOhms Typ 68.0 mOhms Max  
 IDC(A): 4.0 Max  
 Hi-pot(Coil-Core): 1mA Max @AC 500V(1MIN)  
 IR(Coil-Core): 100MOHM MIN @DC 200V

### 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:  $\pm 0.004"$  (0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component
11. There is insufficient space to mark the tolerance letter on the part
12. Outsourced item processed & controlled under XFMRS QA system

DOC REV: A/5

<b>XFMRS Inc</b> www.XFMRS.com	Title: HIGH CURRENT INDUCTOR			
	UNLESS OTHERWISE SPECIFIED TOLERANCES:	P/N: XFHCL6-8R2M	REV. A	
.xx ±0.25	DWN.	Yuan	Nov-15-12	
Dimensions in MM	CHK.	YK Liao	Nov-15-12	
SHEET 1 OF 1	APP.	BSJ	Nov-15-12	