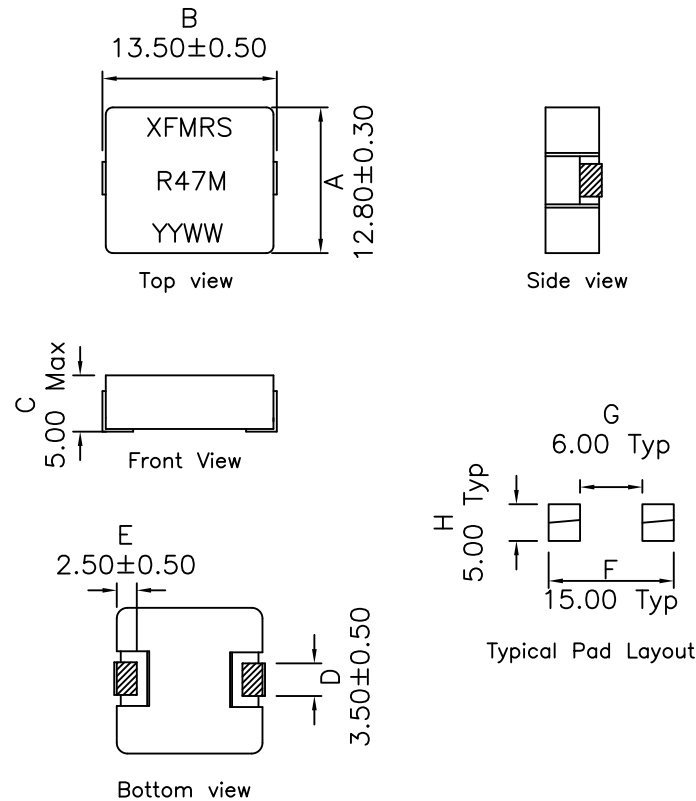


## 1. Mechanical Dimensions:

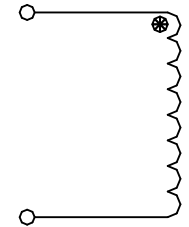


### Notes:

- 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
- Storage Temperature Range: -55°C to +125°C
- Aqueous wash compatible
- SMD Lead Coplanarity:  $\pm 0.004''$  (0.102mm)
- Electrical and mechanical specifications 100% tested
- RoHS Compliant Component
- Outsourced item processed & controlled under XFMR QA system

DOC. REV: A/4

## 2. Schematic:



## 3. Electrical Specifications: @25°C

OCL:  $0.47 \mu\text{H} \pm 20\%$  @100KHz, 1.0V

Q: 20 Min @100KHz, 1.0V

DCR: 1.30 mOhms Max, 1.10mOhms Typ

Irated: 38.0A (Based on 40°C Temp Rise)

Isat: 65.0A (Based on Approximately 30% drop in OCL)

SRF: 60MHz Min

<b>XFMR5 Inc</b> <a href="http://www.XFMR5.com">www.XFMR5.com</a>	Title: <b>XFHCL4 SERIES</b> <b>MAGNETICALLY SHIELDED INDUCTOR</b>		
	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx $\pm 0.25$ Dimensions in MM	P/N: XFHCL4-R47M DWN. CHK.	REV. A Huo YK Liao
SHEET 1 OF 1	APP.	BW	Jan-11-19