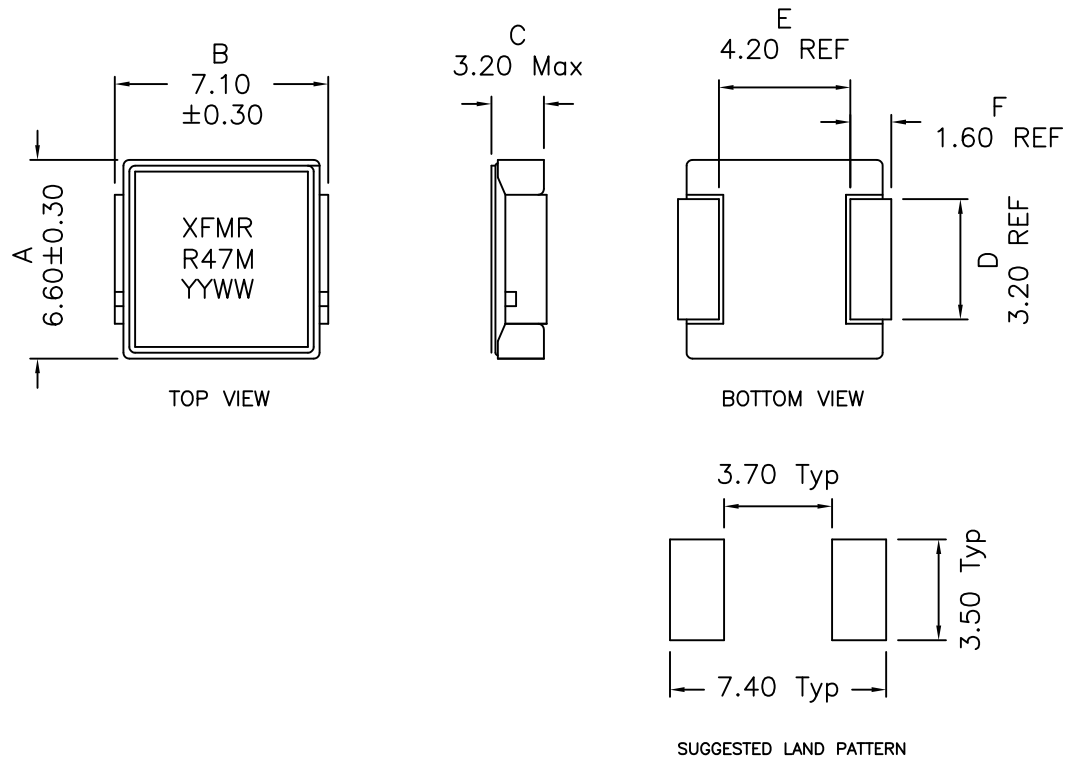
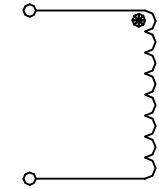


1. Mechanical Dimensions:



2. Schematic:



3. Electrical Specifications: @25°C

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

Q: 12 Min @100KHz, 0.25V

DCR: 4.2 mOhms Max

I_{rms}: 17.5A Typ (Based on 40°C Typ Temp Rise)

I_{sat}: 26.0Adc Typ (Based on 30% Typ drop in OCL)

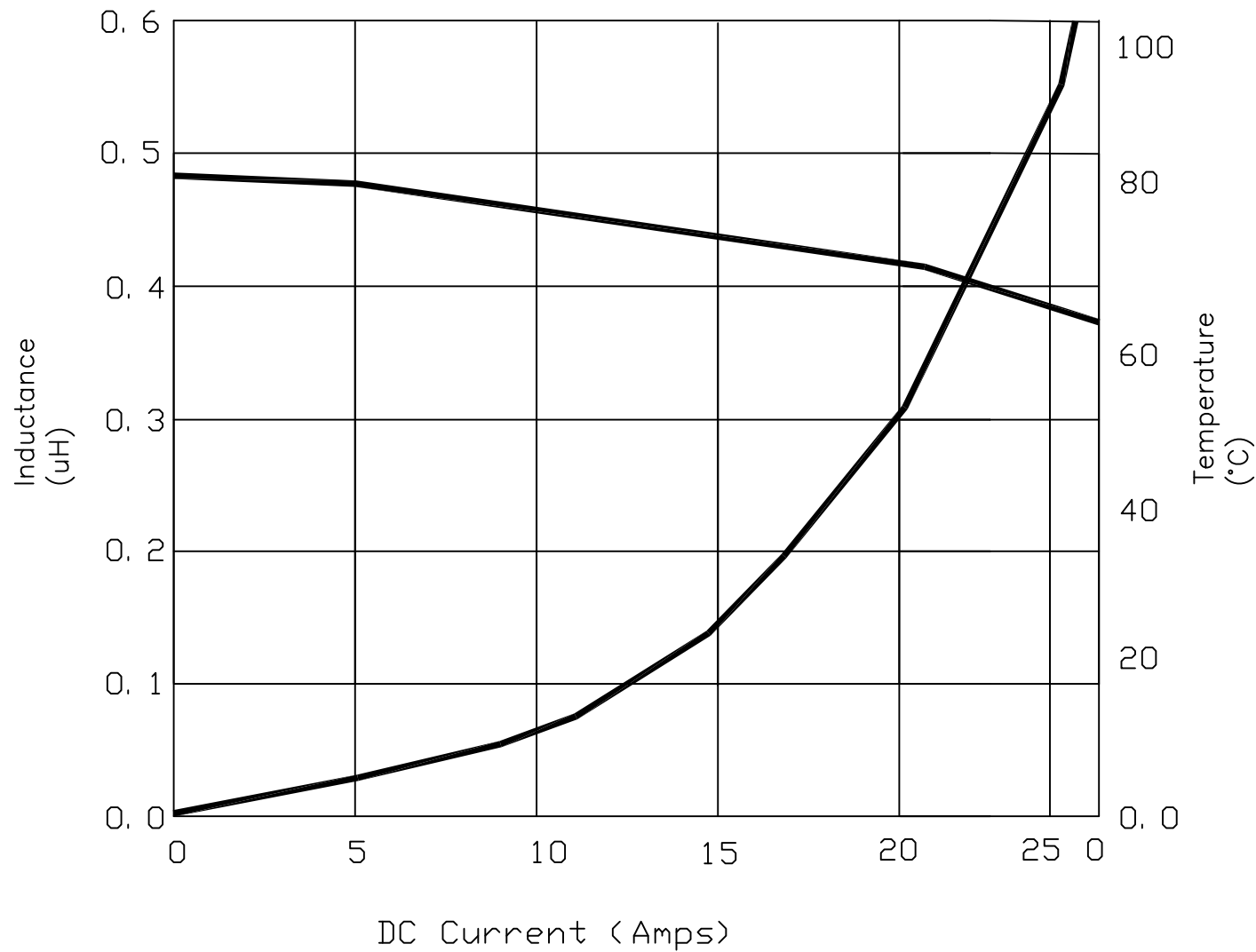
SRF: 30MHz Min

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
- 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
- Recommended IR Reflow peak temp of 250°C Max.
- Outsourced item processed & controlled under XFMRS QA system

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XFMRS Inc www.XFMRS.com UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ± 0.25 Dimensions in MM SHEET 1 OF 2	Title: MAGNETICALLY SHIELDED HIGH CURRENT INDUCTOR		
	P/N: XFHCL6-R47M		REV. A
	DWN.	Huo	May-12-17
	CHK.	YK Liao	May-12-17
	APP.	DDC	May-12-17



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XFMRs Inc www.XFMRS.com UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM SHEET 2 OF 2	Title: MAGNETICALLY SHIELDED HIGH CURRENT INDUCTOR		
	P/N: XFHCL6-R47M		REV. A
	DWN.	Huo	May-12-17
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PROPRIETARY

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