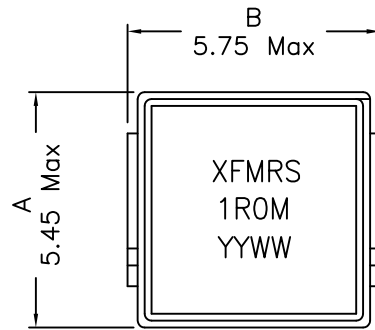
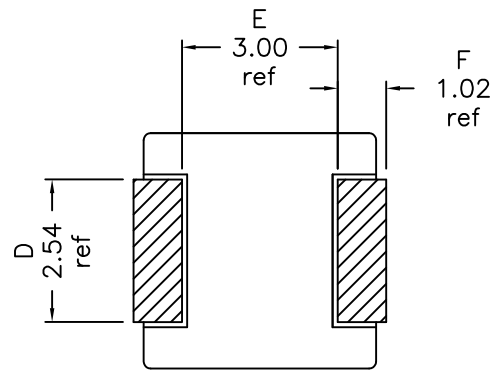
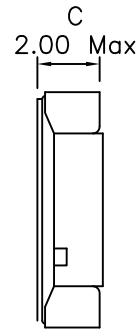


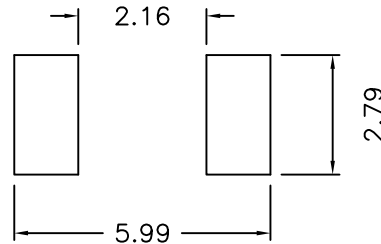
1. Mechanical Dimensions:



TOP VIEW



BOTTOM VIEW



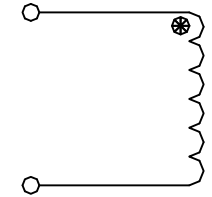
SUGGESTED LAND PATTERN

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 Range: All listed parameters are to be within tolerance from -40°C to +105°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 250C Max.
- Outsourced item processed & controlled under XFMRS QA system

DOC. REV: A/2

2. Schematic:



3. Electrical Specifications: @25C

OCL: 1.0uH $\pm$ 20% @100KHz 1.0V

Q: tbd Min @100KHz 1.0V

DCR: 20.0 mOhms Max

Isat: 16.0Adc (Based on 20% Typ drop in OCL)

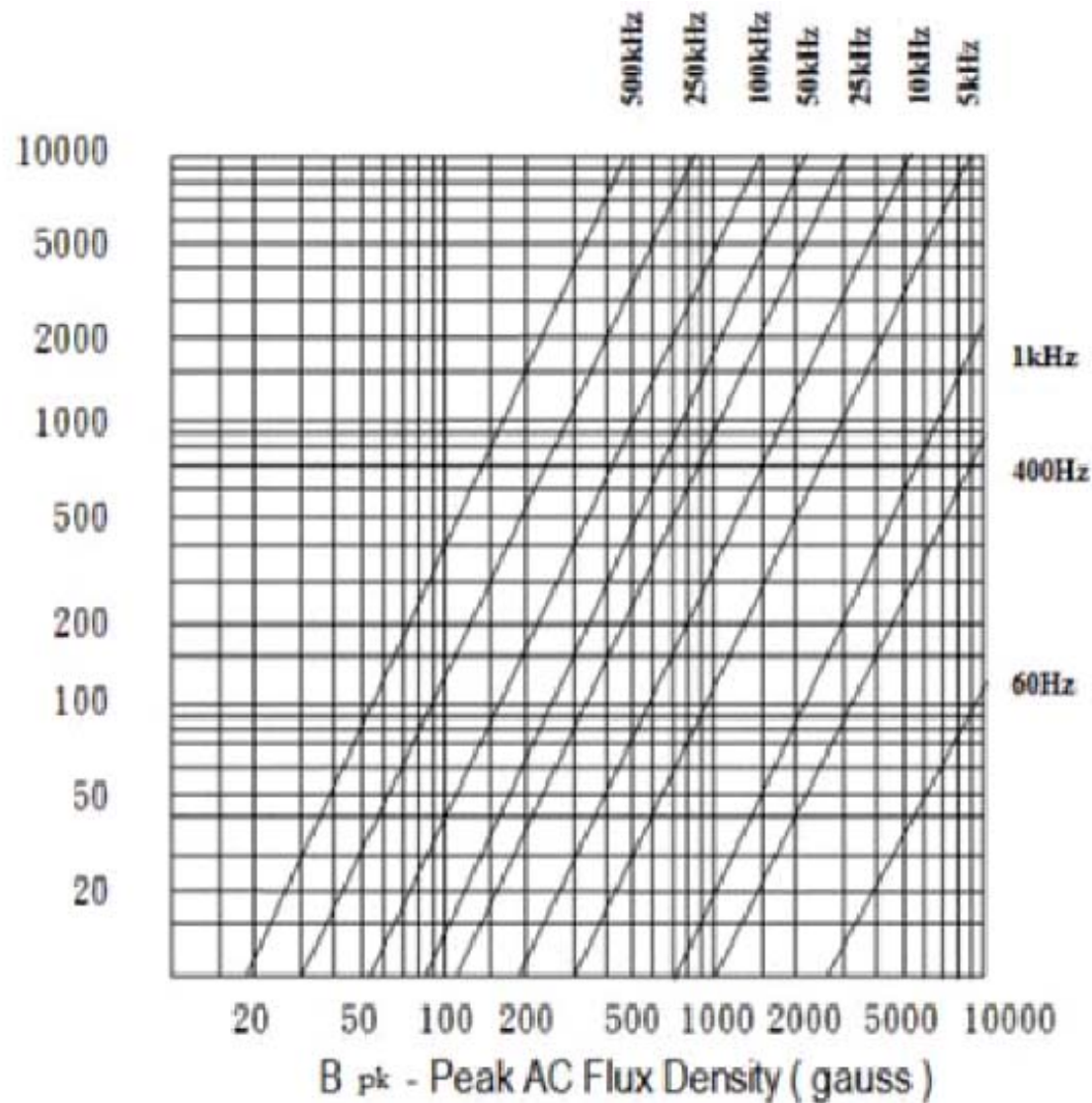
Irms: 7.0Adc (Based on 40°C Temp Rise)

PROPRIETARY

Document is the property of XFMRS Group & is not allowed to be duplicated without authorization.

XFMRS Inc www.XFMRS.com UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx $\pm$ 0.25 Dimensions in MM SHEET 1 OF 5	Title: SHIELDED INDUCTOR		
	P/N: XFHCL22-1ROM		REV. A
	DWN.	Yuan	Nov-18-13
	CHK.	YK Liao	Nov-18-13
	APP.	BSJ	Nov-18-13

Core Loss
(mW/cm³)



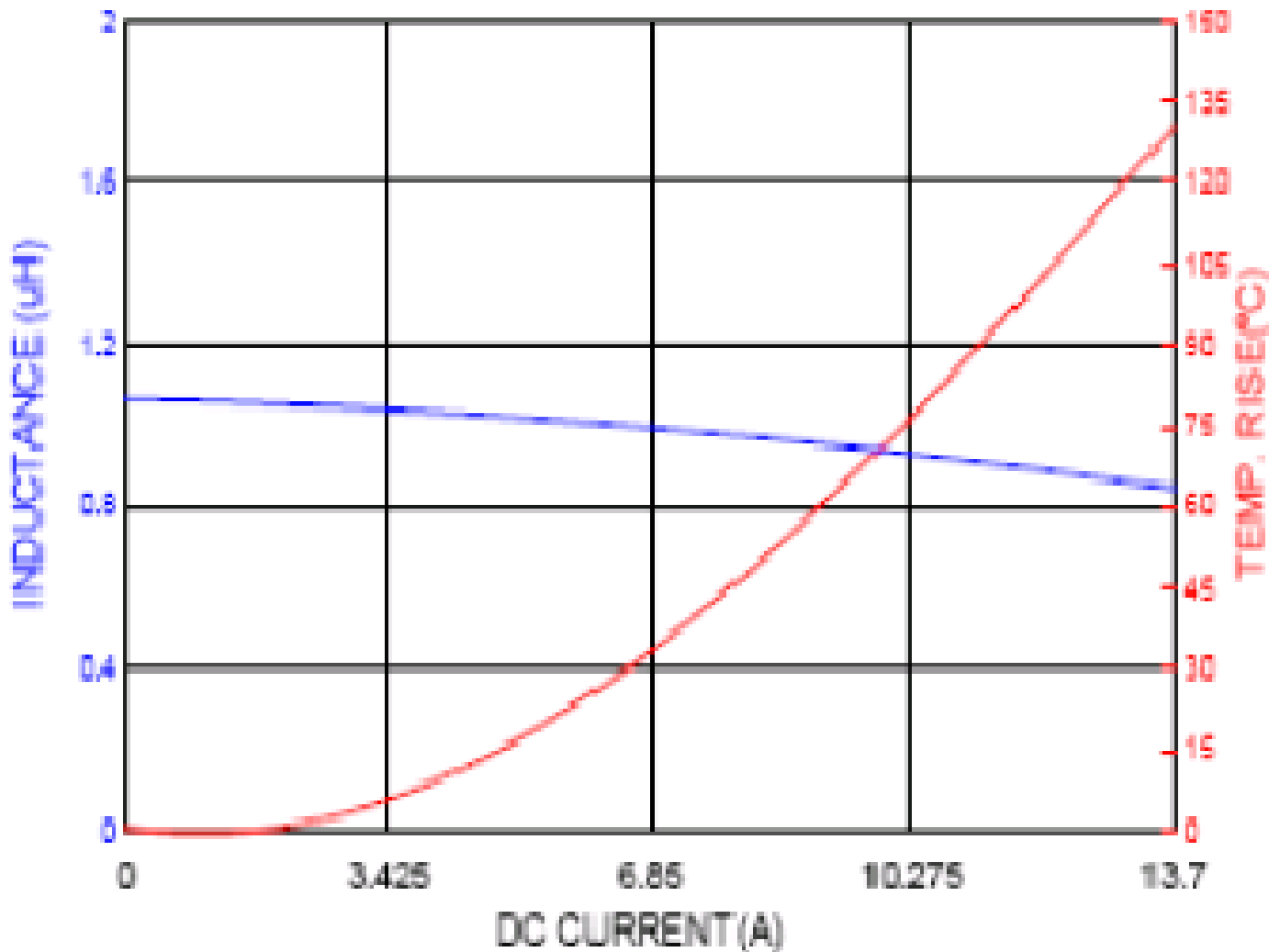
DOC. REV: A/2

XFMRs Inc www.XFMRs.com UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM	Title: SHIELDED INDUCTOR		
	P/N: XFHCL22-1ROM		REV. A
	DWN.	Yuan	Nov-18-13
	CHK.	YK Liao	Nov-18-13
	APP.	BSJ	Nov-18-13

PROPRIETARY

Document is the property of XFMRs Group & is not allowed to be duplicated without authorization.

SHEET 2 OF 5



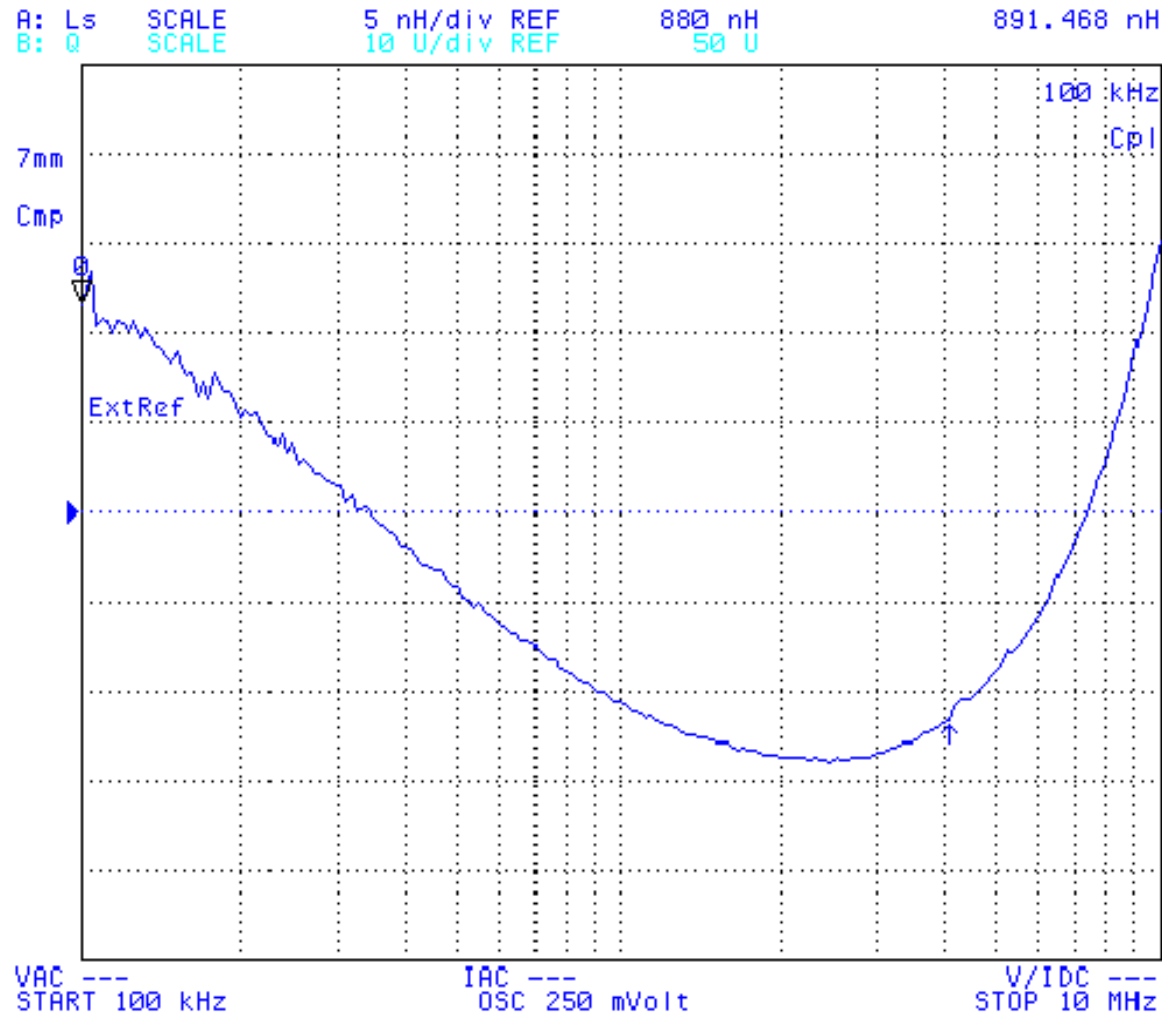
DOC. REV: A/2

XFMRS Inc www.XFMRS.com UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM	Title: SHIELDED INDUCTOR		
	P/N: XFHCL22-1ROM		REV. A
	DWN.	Yuan	Nov-18-13
	CHK.	YK Liao	Nov-18-13
	APP.	BSJ	Nov-18-13
SHEET 3 OF 5			

PROPRIETARY

Document is the property of XFMRS Group & is not allowed to be duplicated without authorization.

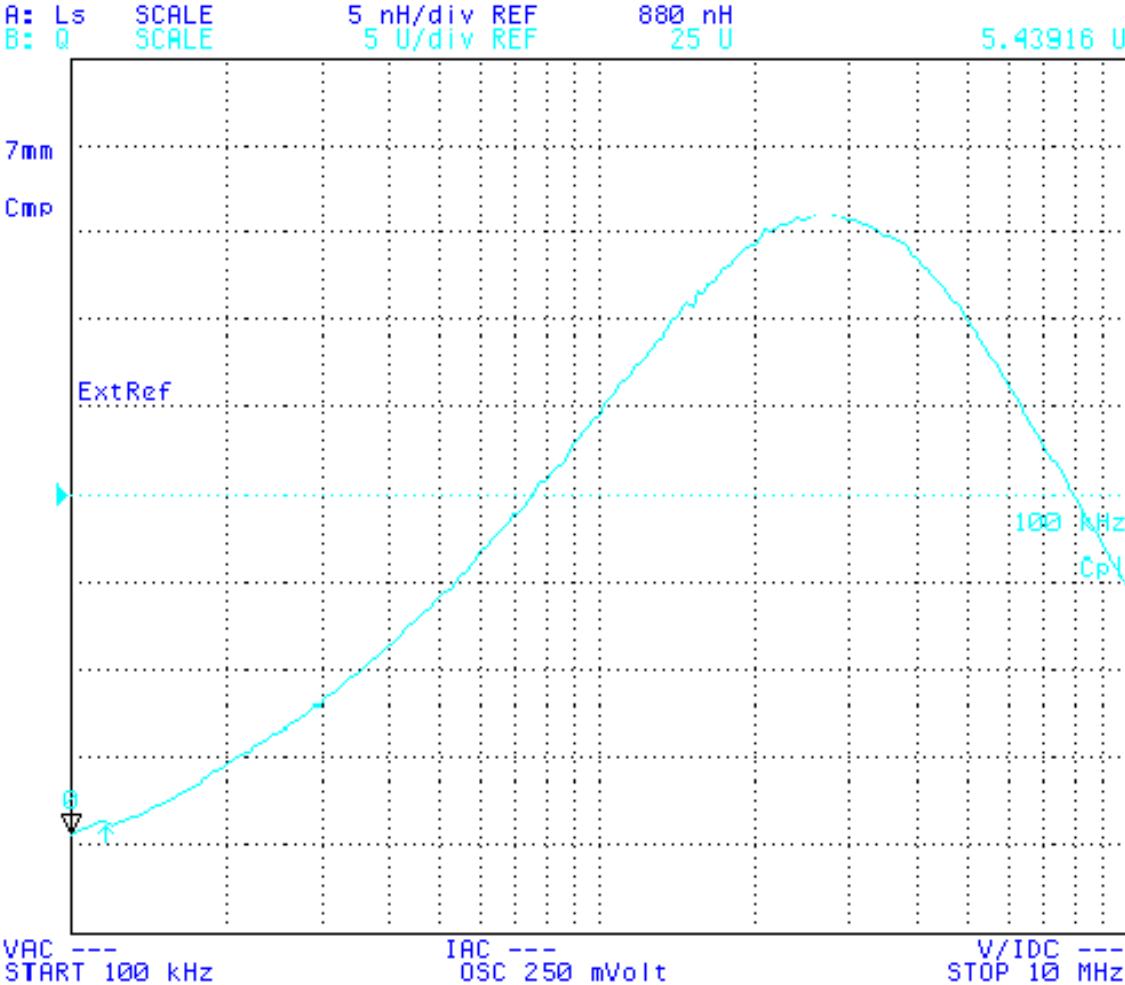
Ls Vs Frequency graph:



DOC. REV: A/2

XFMRS Inc www.XFMRS.com UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM SHEET 4 OF 5	Title: SHIELDED INDUCTOR		
	P/N: XFHCL22-1ROM		REV. A
	DWN.	Yuan	Nov-18-13
	CHK.	YK Liao	Nov-18-13
	APP.	BSJ	Nov-18-13

Q value Vs Frequency graph:



DOC. REV: A/2

XFMRS Inc www.XFMRS.com		Title: SHIELDED INDUCTOR	
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM		P/N: XFHCL22-1ROM REV. A	
		DWN.	Yuan Nov-18-13
		CHK.	YK Liao Nov-18-13
		APP.	BSJ Nov-18-13
SHEET 5 OF 5			