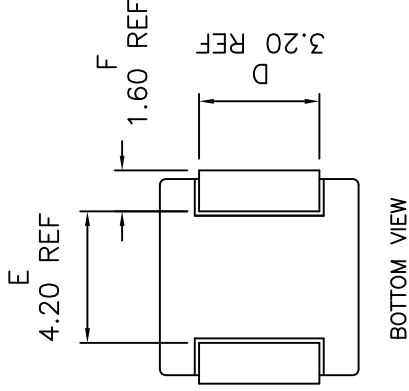
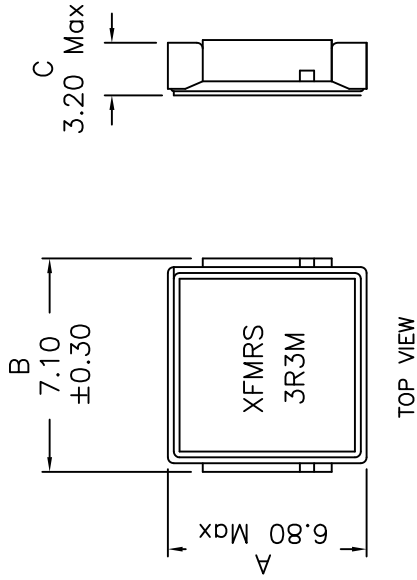
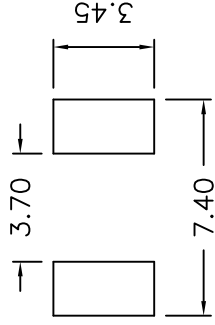


1. Mechanical Dimensions:



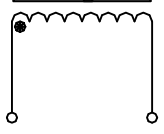
TOP VIEW

BOTTOM VIEW



SUGGESTED LAND PATTERN

2. Schematic:



3. Electrical Specifications:

OCL: 3.30uH±20% @100KHz
 Q: 20 Min @100KHz 0.2V
 DCR: 30 mOhms Max
 Irms: 6.0Adc (Based on 100KHz)
 Isat: 13.5Adc (Based on 100KHz)

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: ±0.004"(0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component
11. Recommended IR Reflow peak temp of 250C Max.
12. Outsourced item processed & controlled under XFMRS QA system

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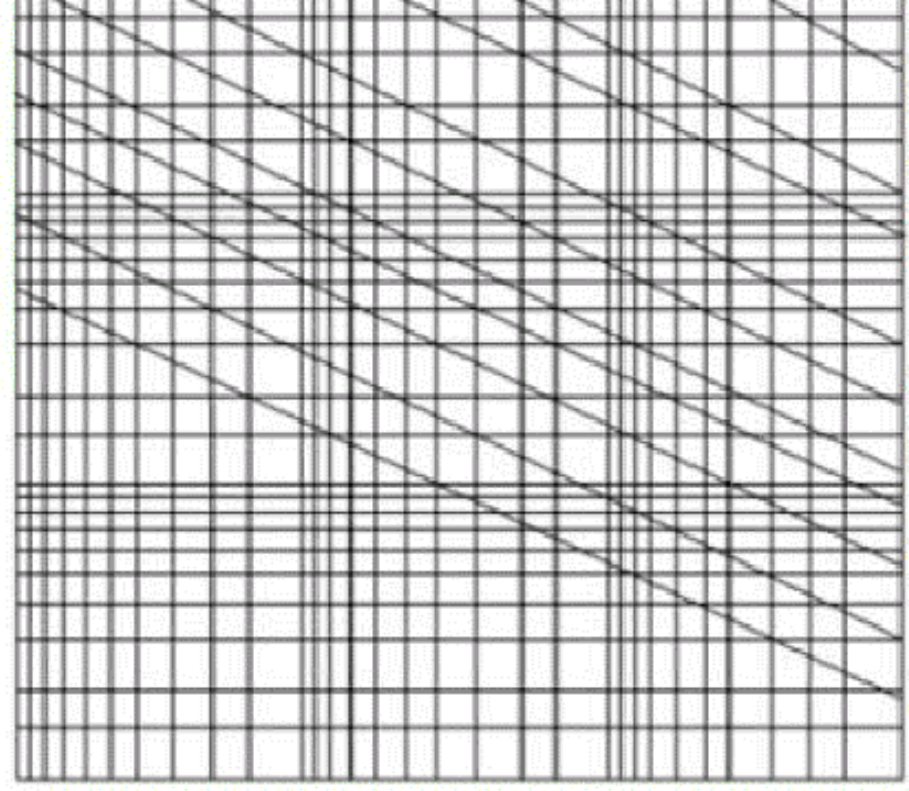
XFMRS Inc www.XFMRS.com		Tit
UNLESS OTHERWISE SPECIFIED		P/
TOLERANCES: .xx ±0.25		F
Dimensions in MM		C
SHEET 1 OF 5		A

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44P1057
 44P105
 44P1001
 44P1057
 44P1005

10000
 5000
 2000
 1000
 500
 200
 100
 50
 20

Core Loss
 (mW/cm³)



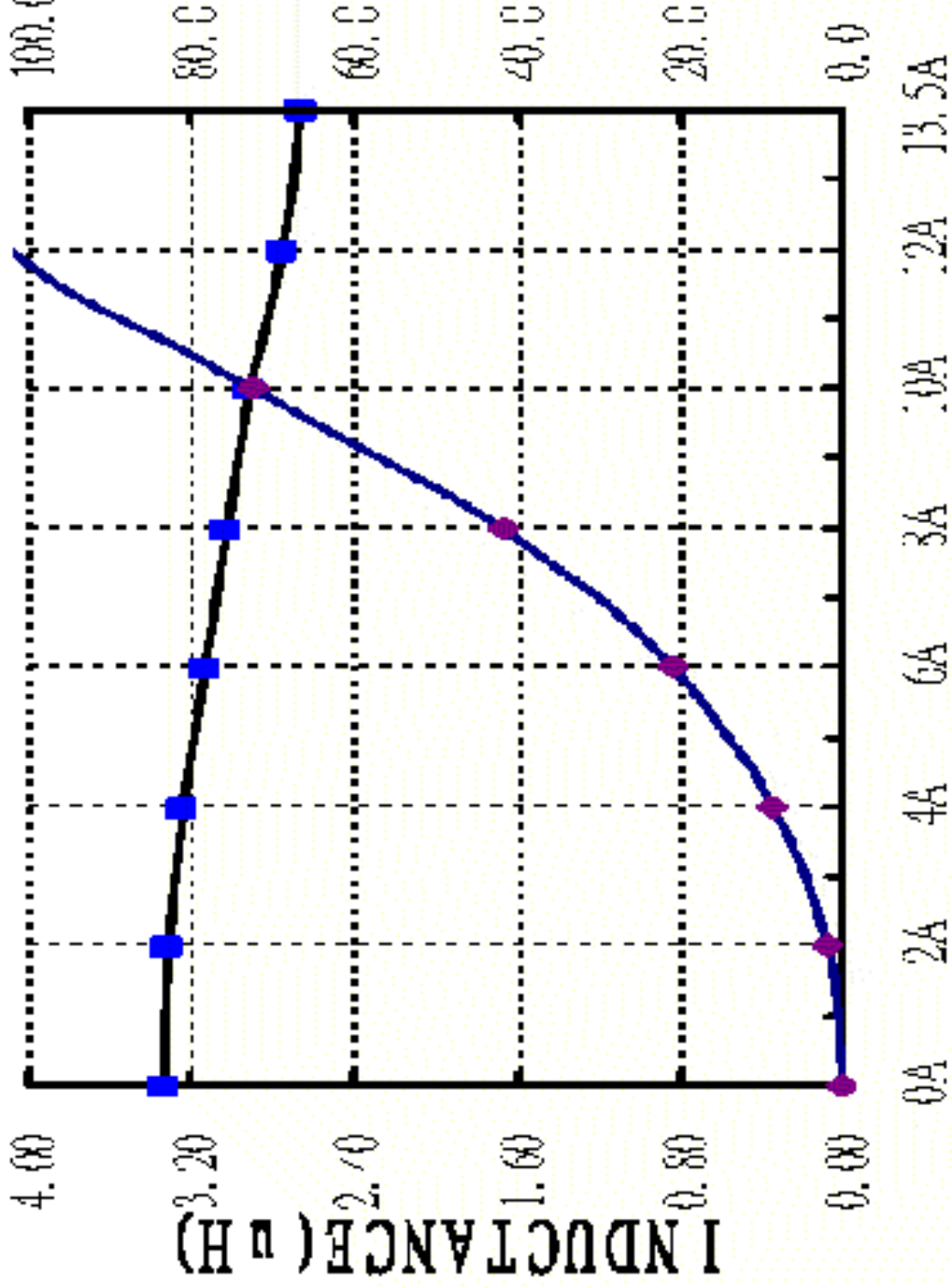
20 50 100 200 500 1000 2000 5000

B pk - Peak AC Flux Density (gauss)

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TOLERANCES: .xx ±0.25	
Dimensions in MM	
SHEET 2 OF 5	

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DC CURRENT (AMPS)

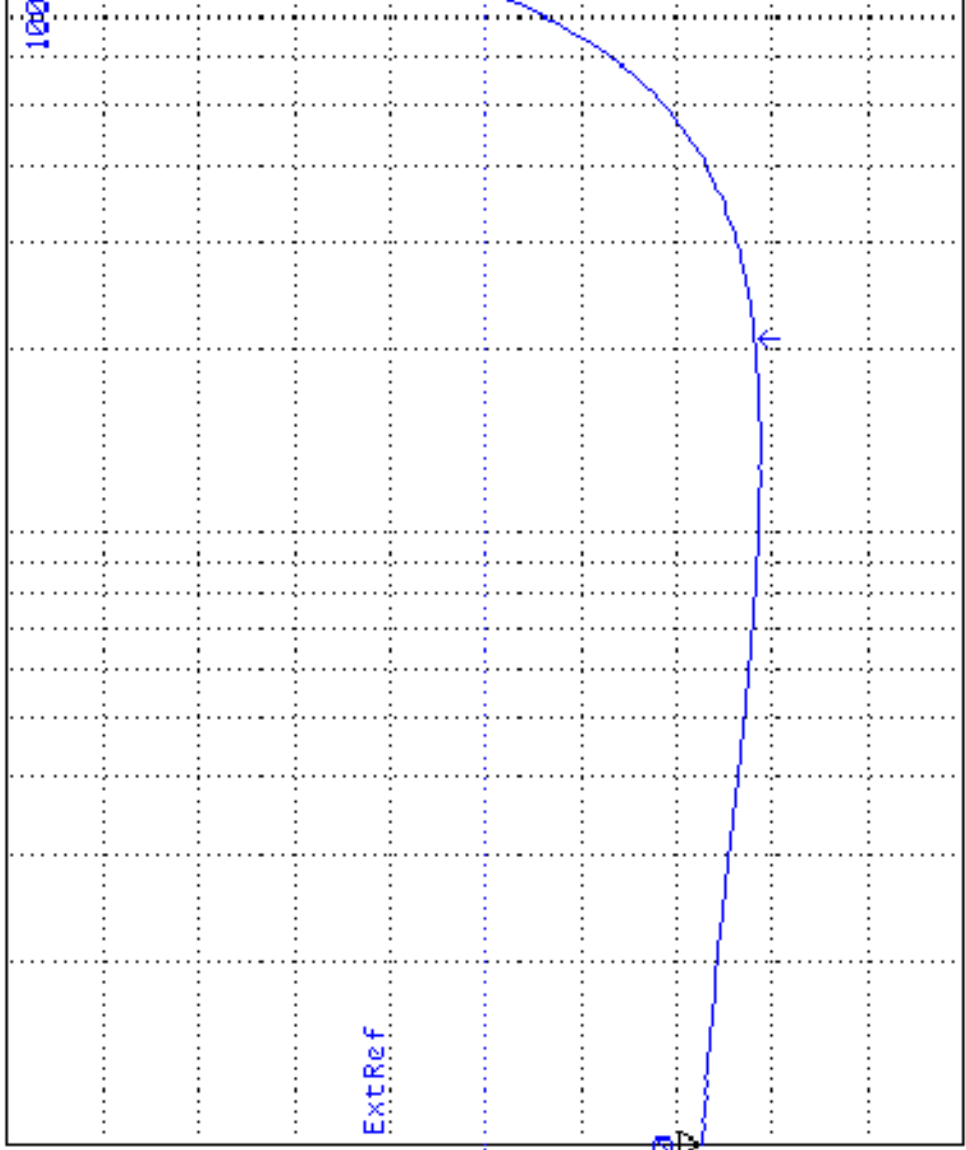
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TOLERANCES:		F
.xx ±0.25		C
Dimensions in MM		
SHEET 3 OF 5		

Ls Vs Frequency graph:

A: Ls SCALE 100 mH/div REF 3.4 uH
 B: 0 SCALE 10 U/div REF 50 U



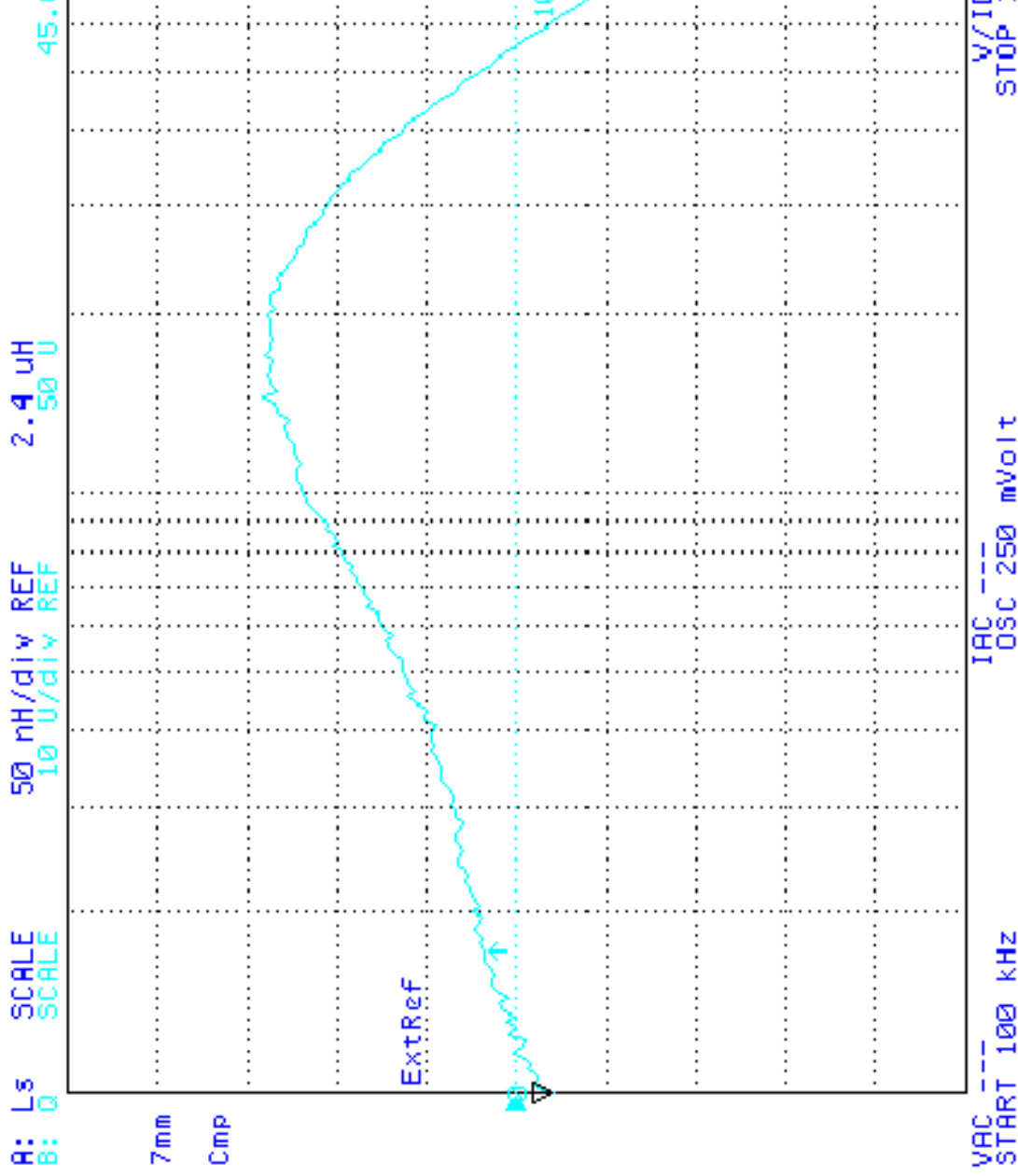
VAC --- START 100 KHZ
 IAC --- OSC 250 mVolt
 V/IDC STOP 10

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TOLERANCES: .xx ±0.25		
Dimensions in MM		
SHEET 4 OF 5		

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Q value Vs Frequency graph:



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P/	TOLERANCES:
P/	.xx ±0.25
P/	Dimensions in MM
P/	SHEET 5 OF 5

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 [XFMRS Inc. Information](#)

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