1. Mechanical Dimensions:

A
0.400 Max

A−R22M

B
0.280 Max

C
0.210 Max

D
2x0.080

E
0.098

0.120

0.250

2x0.100
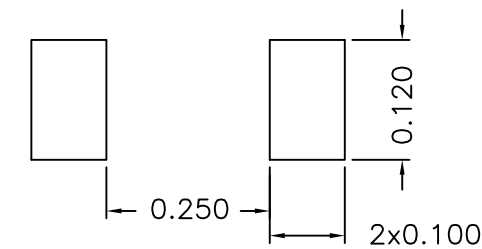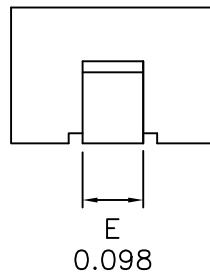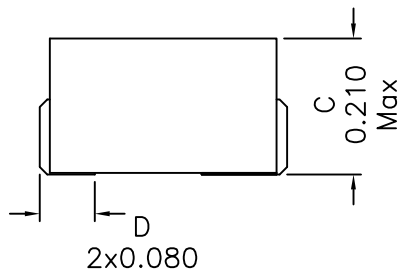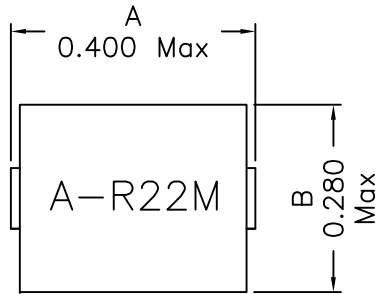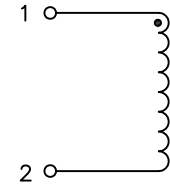
SUGGESTED LAND PATTERN

2. Schematic:

1

2

3. Electrical Specs:

OCL: Pins 1−2 220nH±20% @1MHz

Q: Pins 1−2 30Min @1MHz

Irated: 31Adc (Based on 40°C Temp Rise)

Current: 33Adc (Based on 20% Drop in OCL)

DCR: Pins 1−2 0.39 mOhms±7.7%

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 −40°C to +85°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
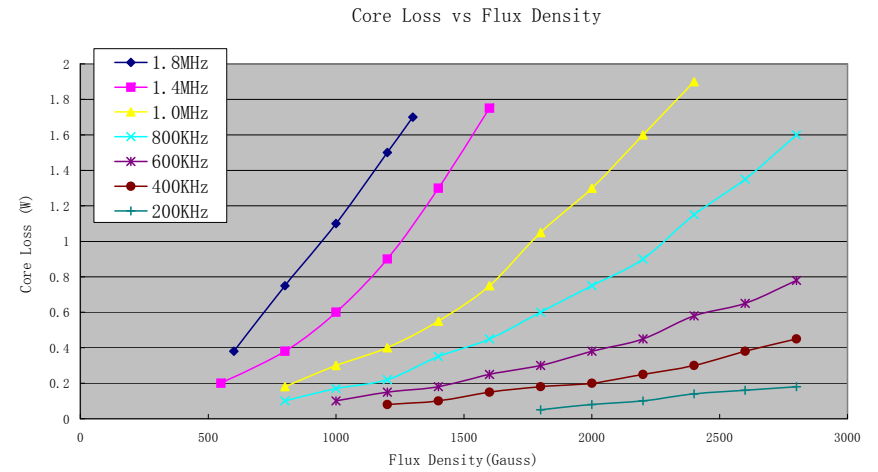10. RoHS Compliant Component

DOC. REV: A/4

XFMRS Inc www.XFMRS.com	Title: INDUCTOR		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .XXX ±0.010 Dimensions in INCH	P/N: XF100705A−R22M		REV A
	DWN.	Yuan	Jun−26−15
	CHK.	YK Liao	Jun−26−15
SHT 1 OF 2	APP.	DDC	Jun−26−15

4. Temp Rise vs Power Dissipation

Temp Rise vs Power Dissipation

6. Core Loss vs Flux Density
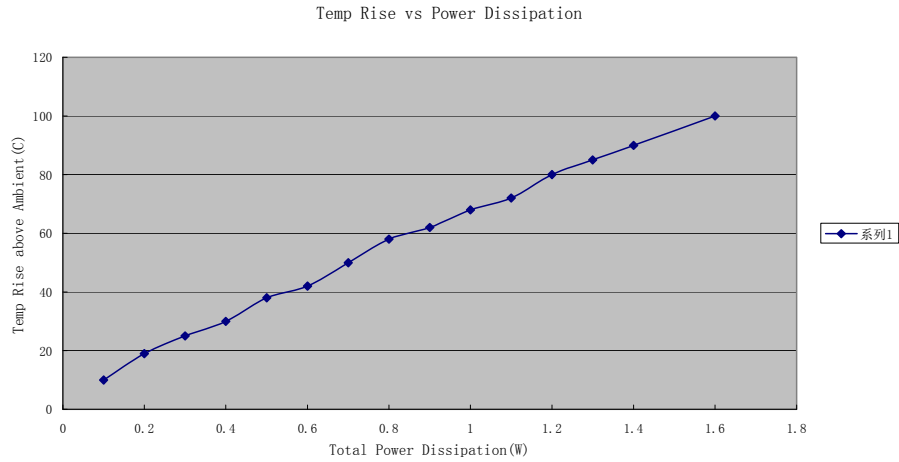
Core Loss vs Flux Density

5. Inductance vs Current

Inductance vs Current

DOC. REV: A/4

XFMRS Inc www.XFMRS.com	Title: INDUCTOR	
UNLESS OTHERWISE SPECIFIED TOLERANCES: XXX ±0.010 Dimensions in INCH	P/N: XF100705A-R22M	REV A
	DWN. Yuan	Jun-26-15
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