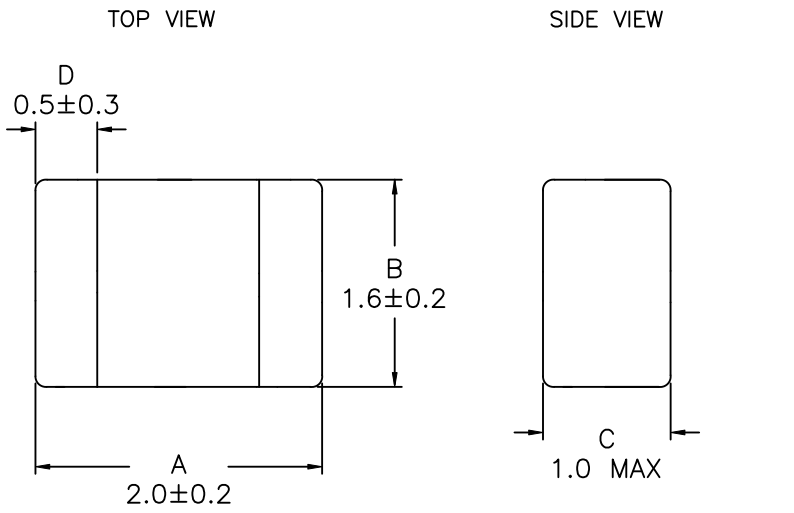
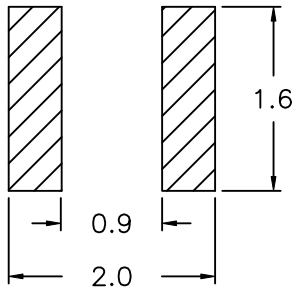
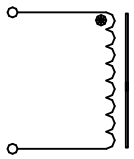
1. Mechanical Dimensions:





Suggested Pad Layout

2. Schematic:



3. Electrical Specifications:

OCL: 1.0uH±20% @1MHz, 1V
Q: tbd min @1MHz, 1V
DCR: 57mOhms Max
Isat: 3.60A (Based on 30% typ drop in OCL)
Irms: 2.70A (Based on 40°C typ Temp rise)

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 Temp Range: All listed parameters are to be within tolerance from -40°C to +125°C
6. Storage Temperature Range: -40°C to +105°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. Outsourced item processed & controlled under XFMRS QA system

DOC REV.: A/1

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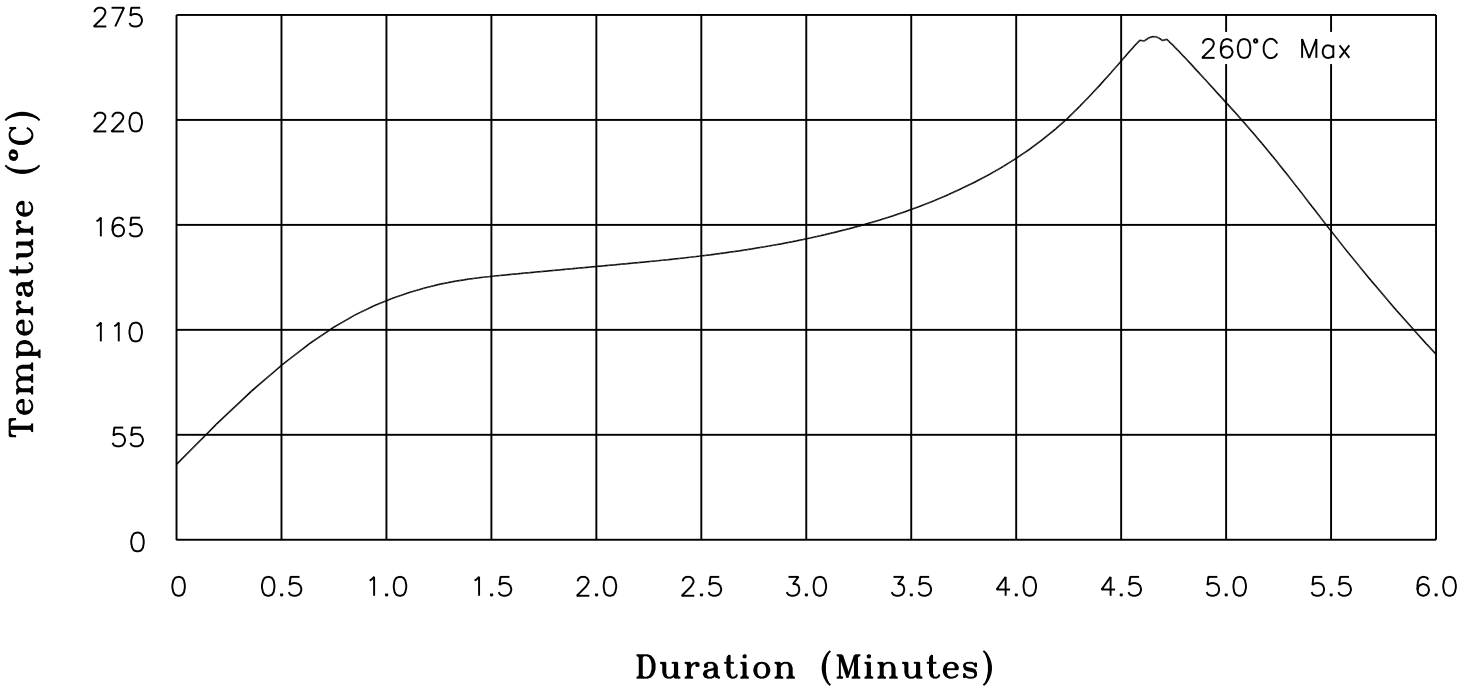
XFMRS® www.XFMRS.com	Title: SMD INDUCTOR		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM	P/N: XFEI201610-1R0M		REV. A
	DWN.	Feng	Jan-27-21
	CHK.	YK Liao	Jan-27-21
SHEET 1 OF 1	APP.	TCH	Jan-27-21

XFMRS

Recommended Infrared Reflow Temperature Profile for RoHS Compliant Parts



NOTES: Maximum duration at 260°+0/−5° shall be 10−15 seconds.
Maximum duration above 217° shall be 60−150 seconds.
ALL Temperatures refer to topside of the package, measured on the package body surface.

XFMRS Inc www.XFMRS.com	Title: IR REFLOW CHART (RoHS Compliant parts)		
UNLESS OTHERWISE SPECIFIED TOLERANCES: N/A	P/N: N/A		REV. A
	DWN.	Juan Mao	Jan−16−05
	CHK.	YK Liao	Jan−16−05
SHEET 1 OF 1	APP.	MS	Jan−16−05

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