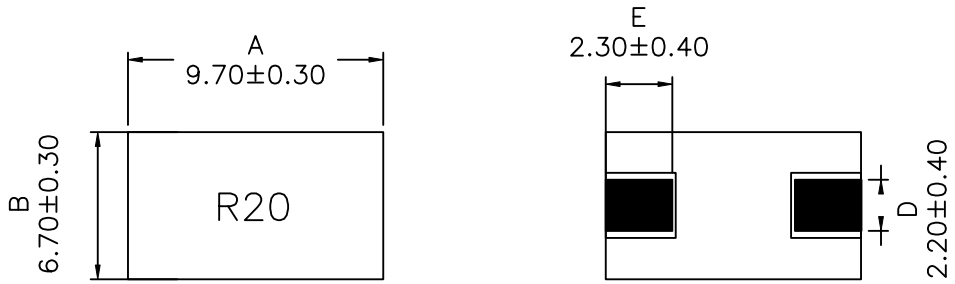
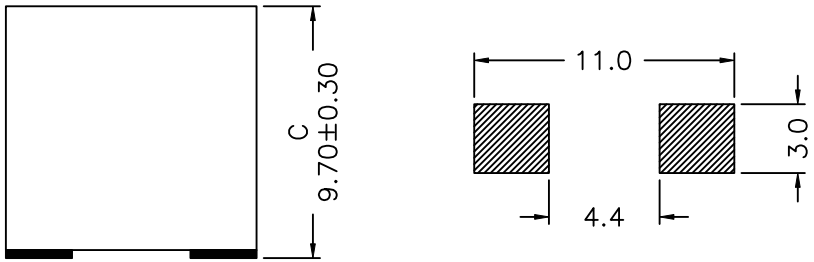
1. Mechanical Dimensions:

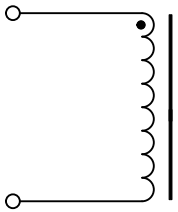


Top view



SUGGESTED LAND PATTERN

2. Schematic:



3. Electrical Specifications: @25°C

OCL: 200nH±10% @100KHz 1.0V

Q: 37 Min @100KHz 0.1V

DCR: 0.145 mOhms ±5%

Isat: 62.0Adc (Based on 20% Typ Drop in OCL)

Irms: 72.0Adc (Based on 20°C Typ Temp Rise)

Irms: 92.0Adc (Based on 40°C Typ Temp Rise)

SRF: 66 MHz Mln

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 +145°C
6. Storage Temperature Range: -40°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 260°C Max.

DOC. REV: A/1

XFMRS® www.XFMRS.com	Title: INDUCTOR		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.25 Dimensions in MM	P/N:XF100710-R20K		REV. A
	DWN.	Yuan	Aug-07-24
	CHK.	YK Liao	Aug-07-24
SHT 1 OF 1	APP.	VL	Aug-07-24

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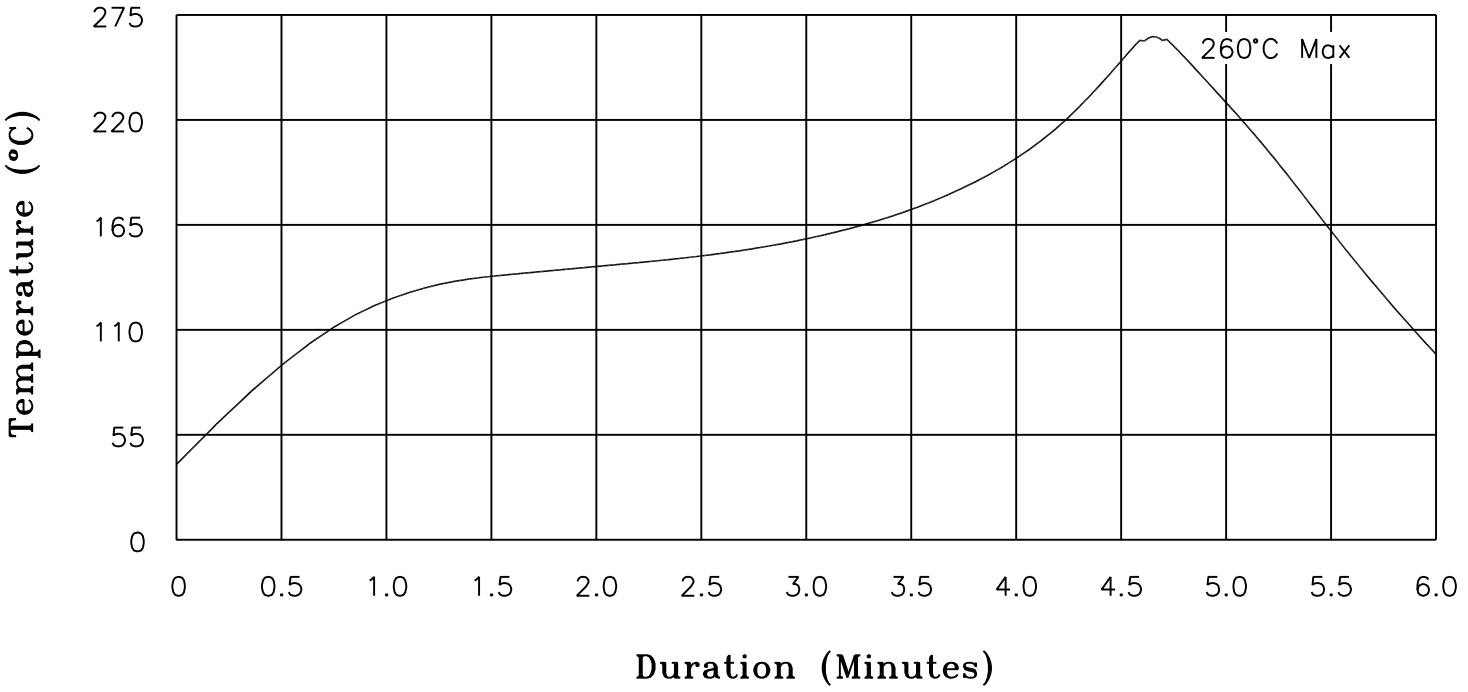
XFMRS

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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