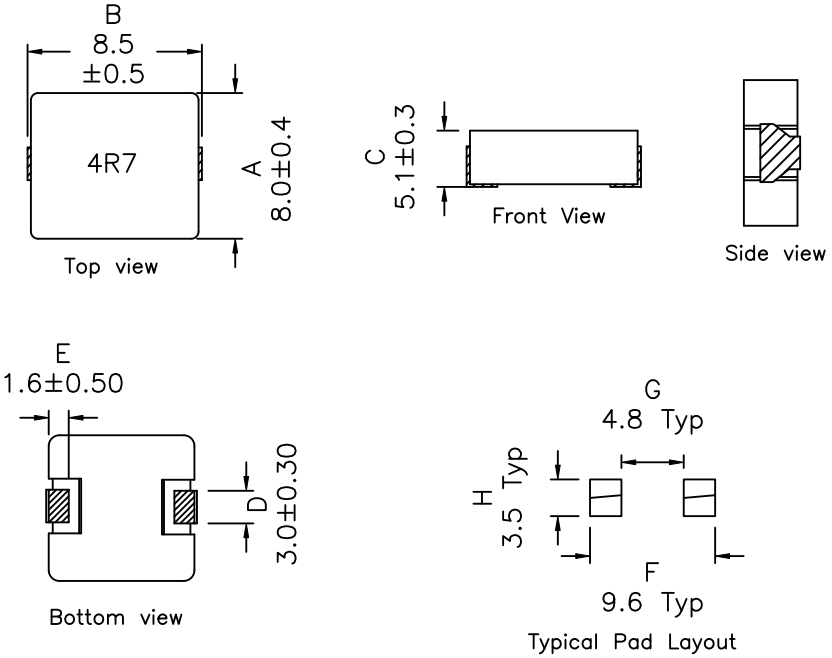
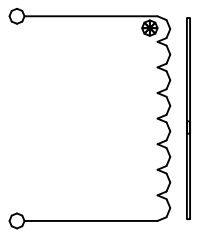
1. Mechanical Dimensions:



2. Schematic:



3. Electrical Specifications: @25°C

OCL: 4.7uH±20% @100KHz, 1.0V
Q: tbd Min @100KHz, 1.0V
DCR: 13.0mOhms Typ, 15.6mOhms Max
Irms: 9.2Adc (Based on 40°C Typ Temp Rise)
Isat: 16.0Adc (Based on 30% Typ drop in OCL)
SRF: tbd min
Rated Voltage: 70Vdc Max

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 : −55°C to +155°C
6. Storage Temperature Range: −55°C to +125°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity: 0.004"(0.102mm) Max
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component
11. Outsourced item processed & controlled under XFMRS QA system
12. AEC−Q200 Certified Product

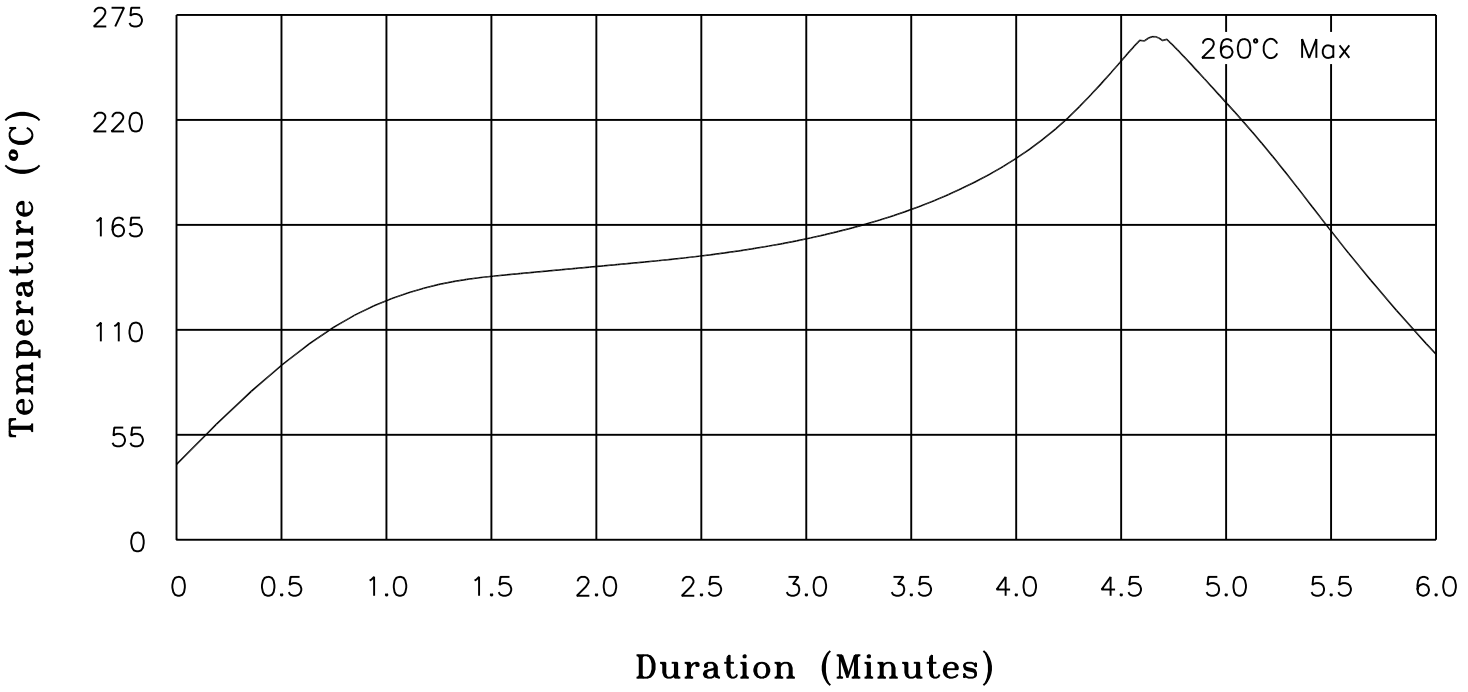
DOC. REV: A/−

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

XFMRS ® www.XFMRS.com	Title: INDUCTOR		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM	P/N: XFHCL42B−4R7M		REV. A
	DWN.	Huo	Dec−18−23
	CHK.	YK Liao	Dec−18−23
SHEET 1 OF 1	APP.	VL	Dec−18−23

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.

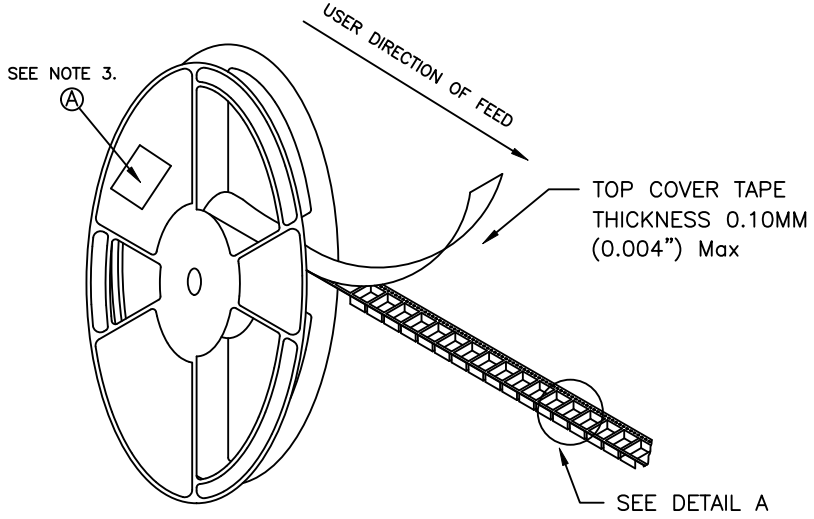
XFMRS Inc www.XFMRS.com	Title: IR REFLOW CHART (RoHS Compliant parts)		
UNLESS OTHERWISE SPECIFIED TOLERANCES: N/A	P/N: N/A		REV. A
	DWN.	Juan Mao	Jan−16−05
	CHK.	YK Liao	Jan−16−05
SHEET 1 OF 1	APP.	MS	Jan−16−05

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

TAPE AND REEL SPECIFICATION:

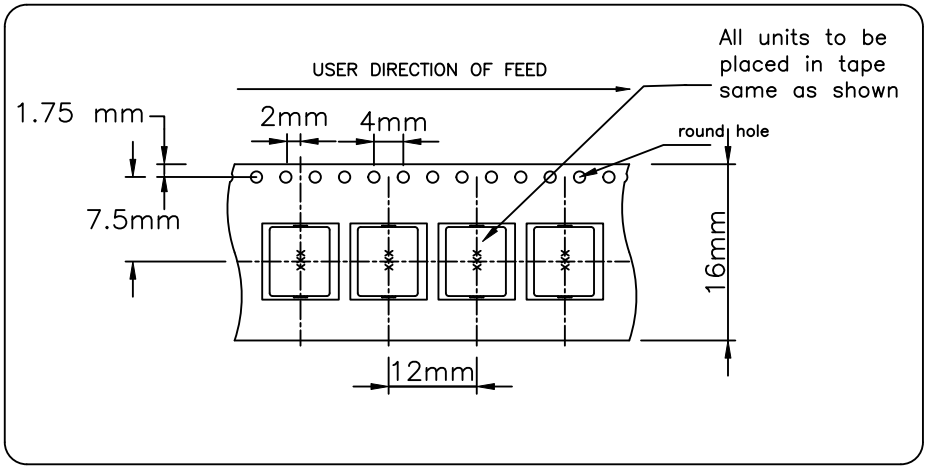
NOTES:

1) PROCESS IN ACCORDANCE WITH EIA-481-2 STANDARDS
   * TAPE LEADER DIMENSION 15.30" MIN.
   * TAPE TRAILER DIMENSION 6.30" MIN.
2) PARTS SHOULD BE PACKAGED IN ACCORDANCE WITH ESD GUIDELINES IN EIA-541.
3) REEL LABEL: 'A' * PART NUMBER
   * QUANTITY
   * DATE CODE
4) 500PCS PER 13"REEL



REEL AND TAPE ORIENTATION

DETAIL A



13" REEL DIAMETER

DOC REV: A/1

XFMRS Inc	Title: T&R SPEC		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxs ±xxxxx Dimensions in mm SHT 1 OF 1	P/N: XFHCL42B SERIES		REV: A
	DWN.	Kong	Nov-14-17
	CHK.	YK Liao	Nov-14-17
	APP.	NBL	Nov-14-17

PROPRIETARY Document is the property of XFMRS Group & is allowed to be duplicated without authorization.