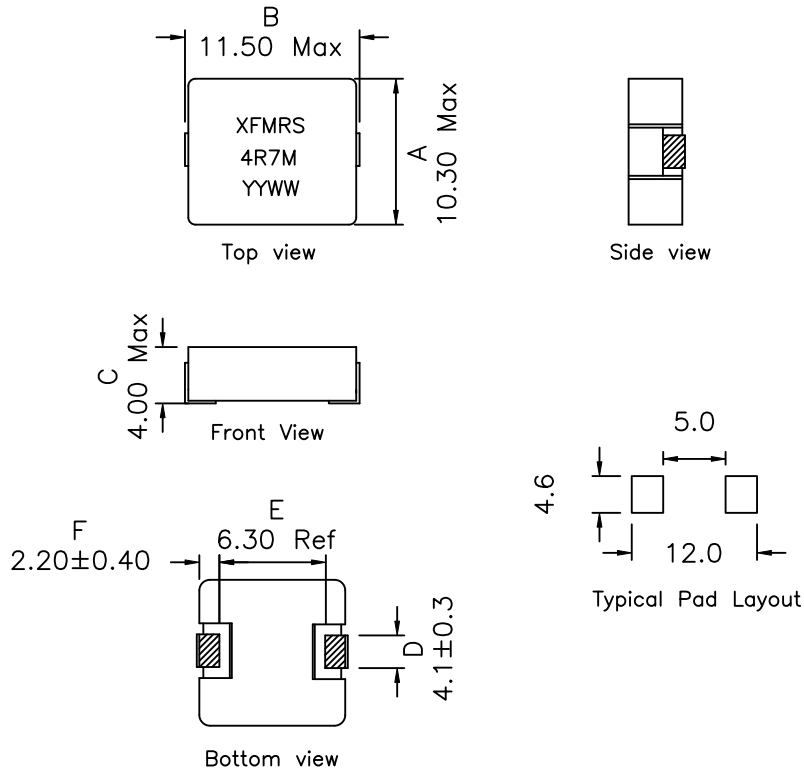
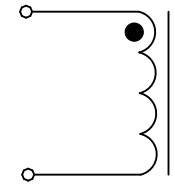


1. Mechanical Dimensions:



2. Schematic:



3. Electrical Specifications: @25°C

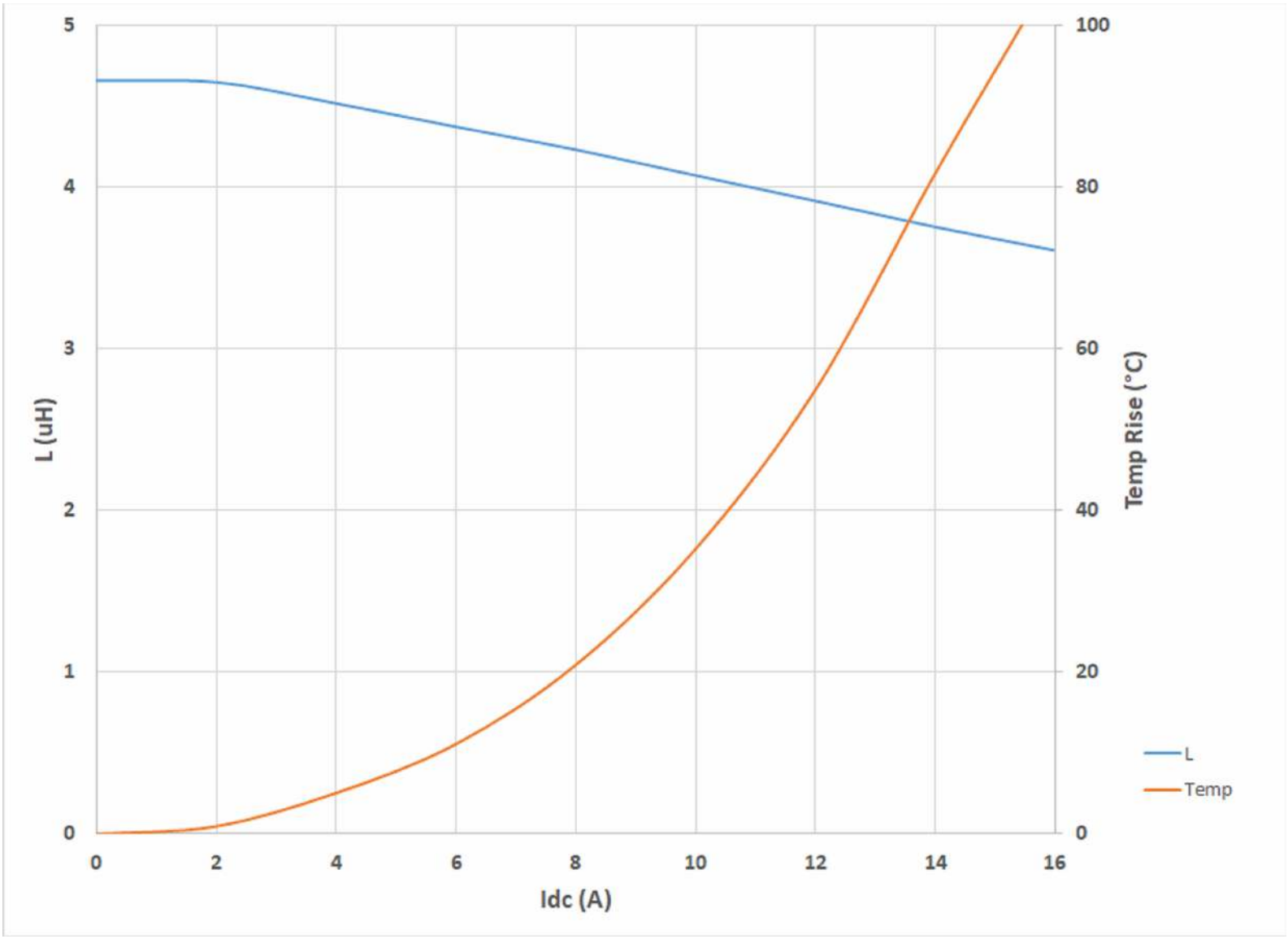
OCL: 4.7uH±20% @100KHz, 0.25V
 Q: 30 Min @100KHz, 0.25V
 DCR: 14.5 mOhms Typ, 16.5 mOhms Max
 Isat: 14A (Based on 20% drop in OCL)
 Irms: 8.0A (Based on 40°C Temp Rise)

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 Temperature Range: All listed parameters are to be within tolerance from -40°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. AEC-Q200 Certified Product
13. Outsourced item processed & controlled under XFMRS QA system

DOC. REV: A/6

XFMRS® www.XFMRS.com	Title: INDUCTOR		
	UNLESS OTHERWISE SPECIFIED	P/N: XFHCL11-4R7M	REV. A
TOLERANCES: .xxx ±0.25 Dimensions in MM	DWN.	Yuan	Jul-20-21
	CHK.	YK Liao	Jul-20-21
SHEET 1 OF 2	APP.	TCH	Jul-20-21



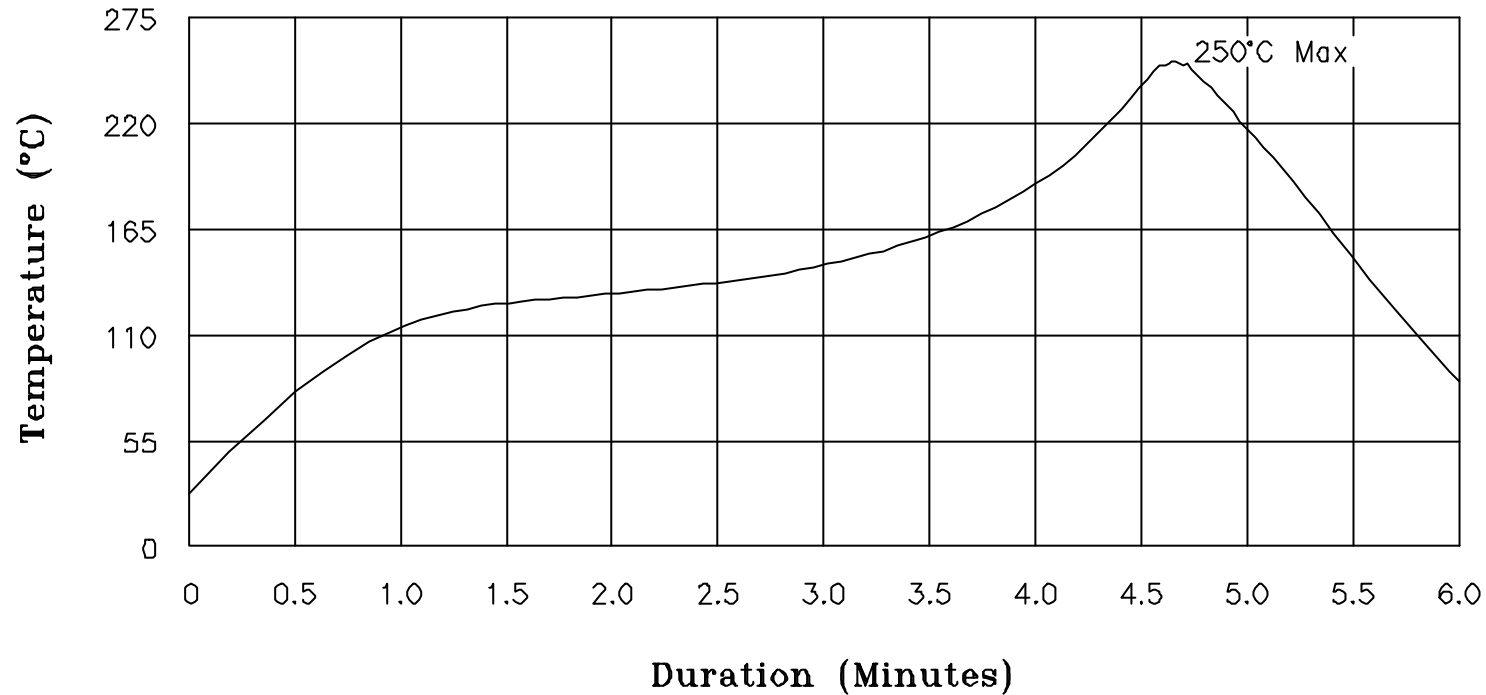
DOC. REV: A/6

XFMRs® www.XFMRs.com	Title: INDUCTOR		
	UNLESS OTHERWISE SPECIFIED TOLERANCES:		P/N: XFHCL11-4R7M
.xxx ±0.25	DWN.	Yuan	Jul-20-21
Dimensions in MM	CHK.	YK Liao	Jul-20-21
SHEET 2 OF 2	APP.	TCH	Jul-20-21

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XFMRs

Recommended Infrared Reflow Temperature Profile for RoHS Compliant Parts

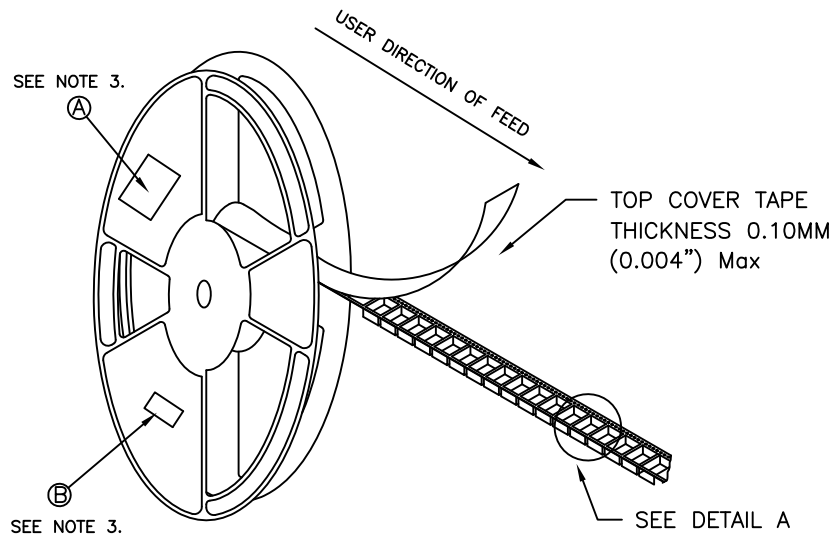


NOTES: Maximum duration at 250°+0/-5° shall be 10-15 seconds.
 Maximum duration above 217° shall be 50-120 seconds.
 ALL Temperatures refer to topside of the package, measured on the package body surface.

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	Dec-20-06	
	CHK.	YK Liao	Dec-20-06	
SHEET 1 OF 1	APP.	Joe Huff	Dec-20-06	

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TAPE AND REEL SPECIFICATION:



REEL AND TAPE ORIENTATION

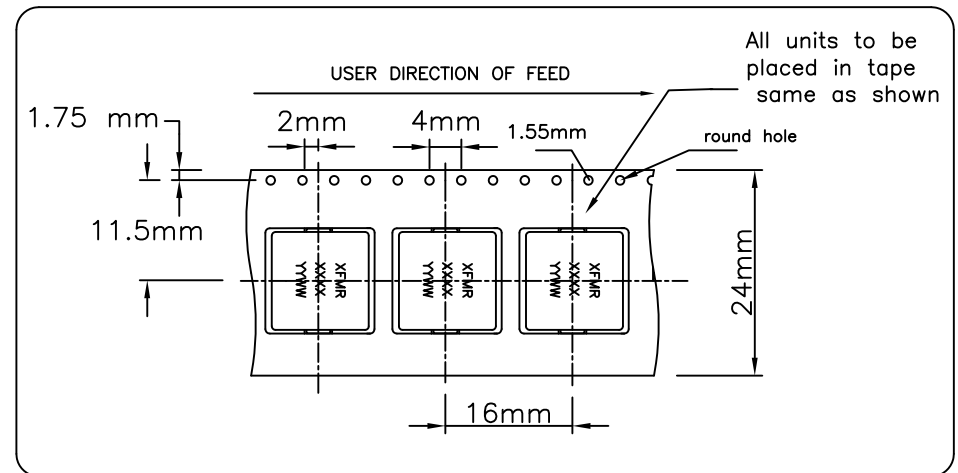
13" REEL DIAMETER

FOR ALL XFHCL11-XXXX SERIES

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

DETAIL A



DOC. REV. A/2

XFMRs Inc	Title: T&R SPEC		
UNLESS OTHERWISE SPECIFIED	P/N: XFHCL11 series		REV: A
TOLERANCES: .xxs ±xxxxx	DWN.	Kong	Oct-31-17
Dimensions in mm	CHK.	YK Liao	Oct-31-17
SHT 1 OF 1	APP.	GL	Oct-31-17

PROPRIETARY

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Reliability Test

XFHCL11 Series

1) Mechanical Shock

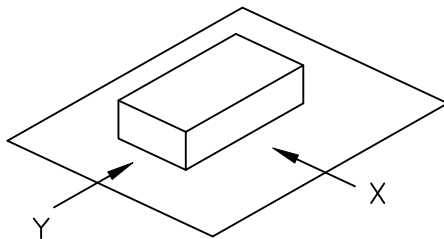
Inductance deviation within $\pm 5\%$ after being dropped once with 981m/s^2 (100G) shock upon a rubber block method shock testing machine, three different orientations

2) Mechanical Vibration

Inductance deviation within $\pm 5\%$ after vibration for 1 hour, in each of 3 orientations at sweep vibration (10~55~10 Hz) with 1.5mm P-P amplitudes

3) Terminal Strength

After soldering, push in two directions of X and Y between copper plate and terminals of coil. 5.0N, 60 seconds. Terminal should not peel off



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XFMRS Inc.	Title: Mechanical Reliability		
	P/N: XFHCL11		
	DWN.	Xiang	Aug-06-20
	CHK.	YK Liao	Aug-06-20
	APP.	DDC	Aug-06-20