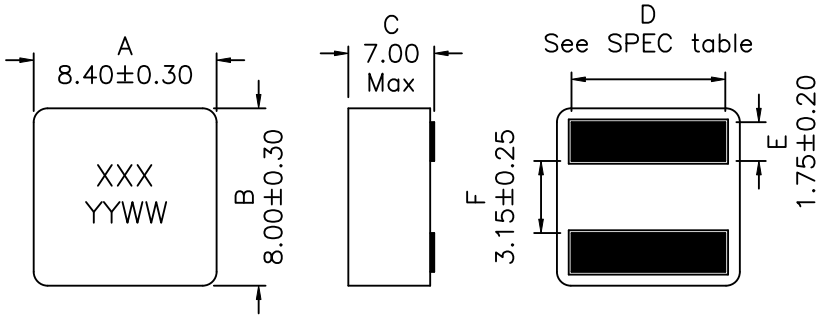
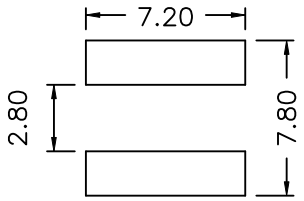
XFHCL0807-xxxx INDUCTORS

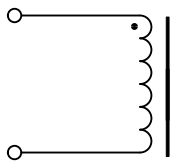
Mechanical Dimensions:





Suggested pad layout

Schematic:



.xx ±0.25
Dimensions in MM

	L	RDC(mΩ)	Isat(A)	Irms(A) typ.		D(mm)
P/N	(µH)	Max	Typ.	△T: 20°C	△T: 40°C	±0.30
XFHCL0807-2R2M	2.2±20%	6.33	19.6	13.2	17.8	6.70
XFHCL0807-3R3M	3.3±20%	9.42	19.4	11.5	15.1	6.70
XFHCL0807-4R7M	4.7±20%	13.5	15.5	10.5	13.6	6.70
XFHCL0807-6R8M	6.8±20%	19.6	12.8	7.0	9.5	6.50

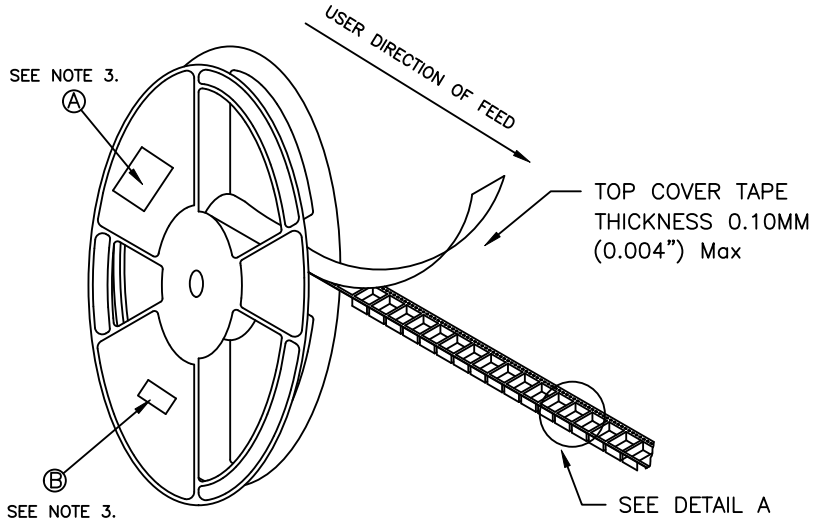
Notes:

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: -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) Max
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component
11. Recommended IR Reflow peak temp of 260°C Max.
12. Outsourced item processed & controlled under XFMRS QA system
13. Measurement frequency of inductance value: at 100KHz, 0.1V
14. Measurement ambient temperature of L, DCR and IDC: at 25°C
15. Isat: DC current at which the inductance drops 30%(typ) from its value without current

TAPE AND REEL SPECIFICATION:

NOTES:

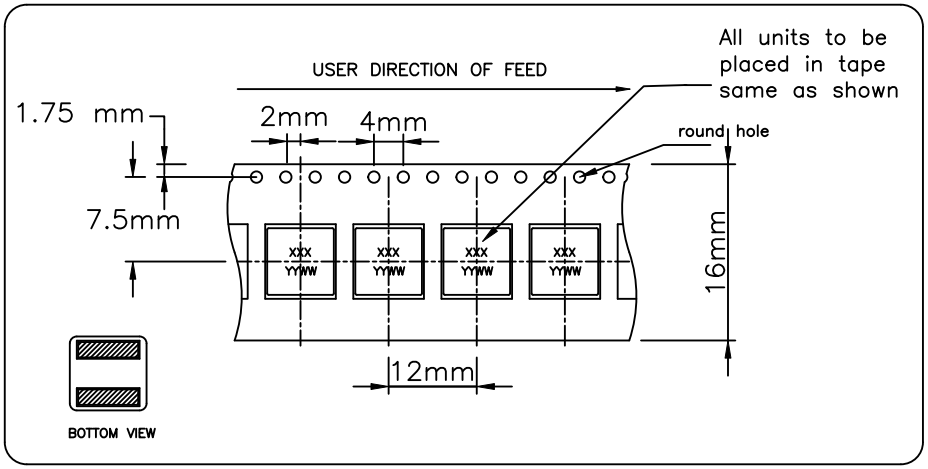
1) PROCESS IN ACCORDANCE WITH EIA-481-2 STANDARDS
   * TAPE LEADER DIMENSION 15.30" MIN.
   * TAPE TRAILER DIMENSION 6.30" MIN.
2) PARTS SHOULD BE PACKAGED IN ACCORDANCE WITH ESD GUIDELINES IN EIA-541.
3) REEL LABEL: 'A' * PART NUMBER
   * QUANTITY
   * DATE CODE
4) 700PCS PER 13"REEL



REEL AND TAPE ORIENTATION

13" REEL DIAMETER

DETAIL A



XFMRS Inc	Title: T&R SPEC		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxs ±xxxxx Dimensions in mm SHT 1 OF 1	P/N:XFHCL0807 SERIES		REV: A
	DWN.	Kong	APR-11-22
	CHK.	YK Liao	APR-11-22
	APP.	GL	APR-11-22

DOC REV: A/1

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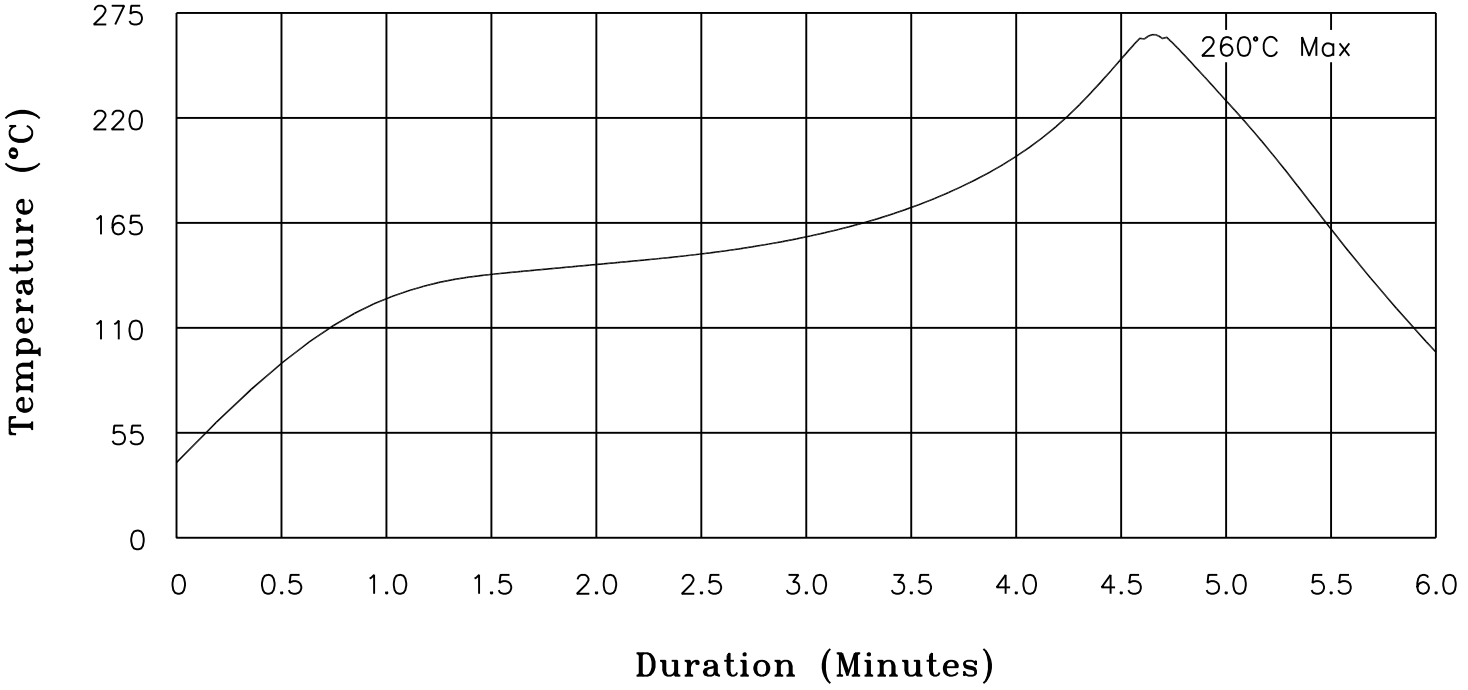
XFMRS

Recommended Infrared Reflow Temperature Profile for RoHS Compliant Parts



NOTES: Maximum duration at 260°+0/−5° with 10 seconds Max.
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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