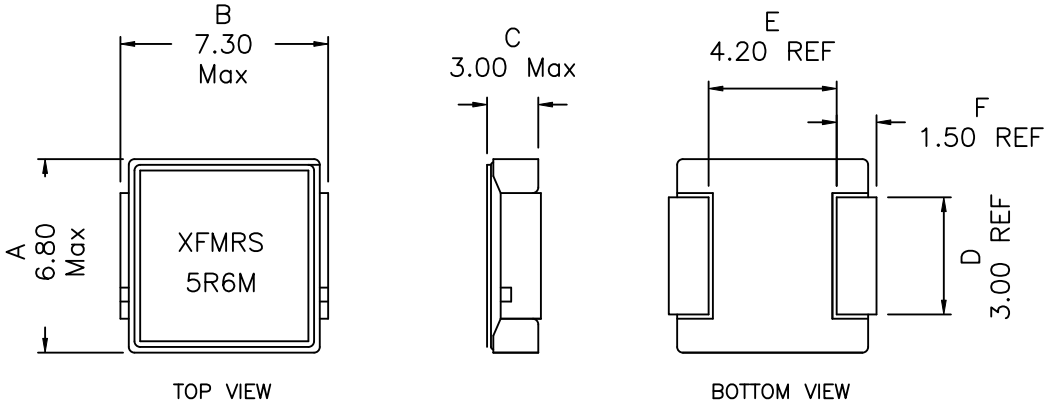
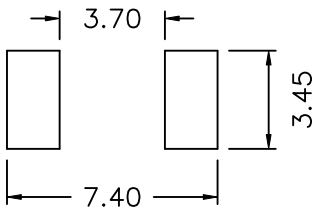
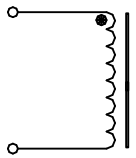
1. Mechanical Dimensions:





2. Schematic:



3. Electrical Specifications: @25°C

OCL: 5.6uH±20% @100KHz 0.25V, 0.0Adc

DCR: 48mOhms Max
Irms: 5.0Adc (Based on 40°C Temp Rise)
Isat: 9.0Adc (Based on 30% drop in OCL)

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 -55°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. Outsourced item processed & controlled under XFMRS QA system
13. AEC-Q200 Certified Product

DOC REV: A/1

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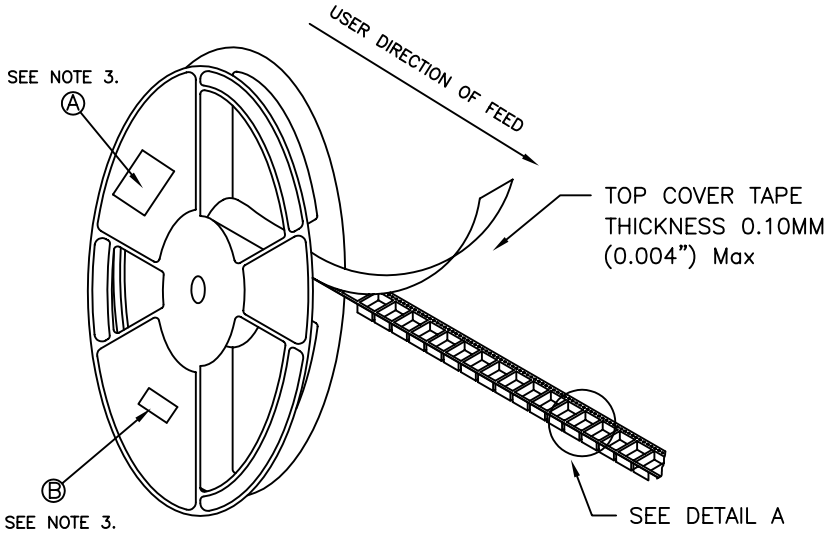
XFMRS® www.XFMRS.com	Title: MAGNETICALLY SHIELDED HIGH CURRENT INDUCTOR		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM	P/N: XFHCL6-5R6M		REV. A
	DWN.	Yuan	Jul-16-20
	CHK.	YK Liao	JUl-16-20
SHEET 1 OF 5	APP.	TCH	Jul-16-20

TAPE AND REEL SPECIFICATION:



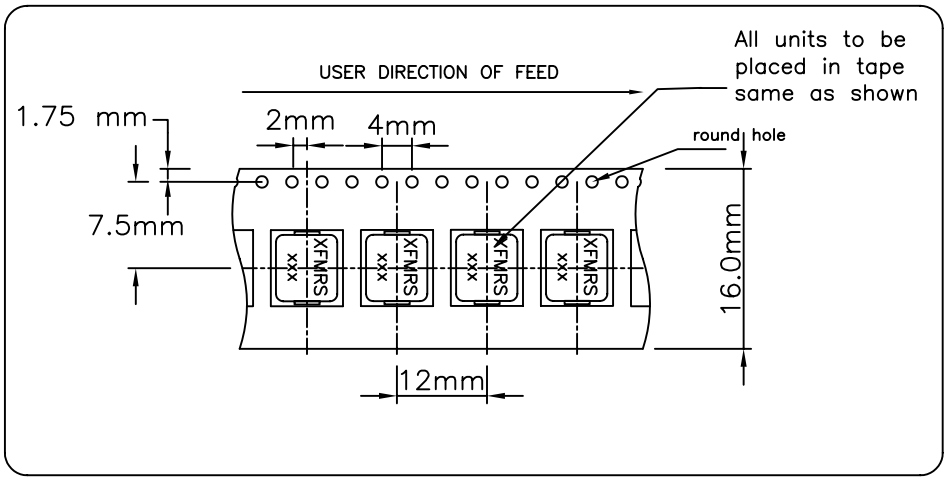
REEL AND TAPE ORIENTATION

13" REEL DIAMETER

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
   'B'– ANTI–STATIC CAUTION LABEL
4) 1000PCS PER 13"REEL

DETAIL A



DOC REV:A/2

XFMRS Inc	Title: T&R SPEC		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxs ±xxxxx Dimensions in mm	P/N:XFHCL6 SERIES		REV: A
	DWN.	Kong	Aug–05–10
	CHK.	YK Liao	Aug–05–10
SHT 2 OF 2	APP.	BW	Aug–05–10

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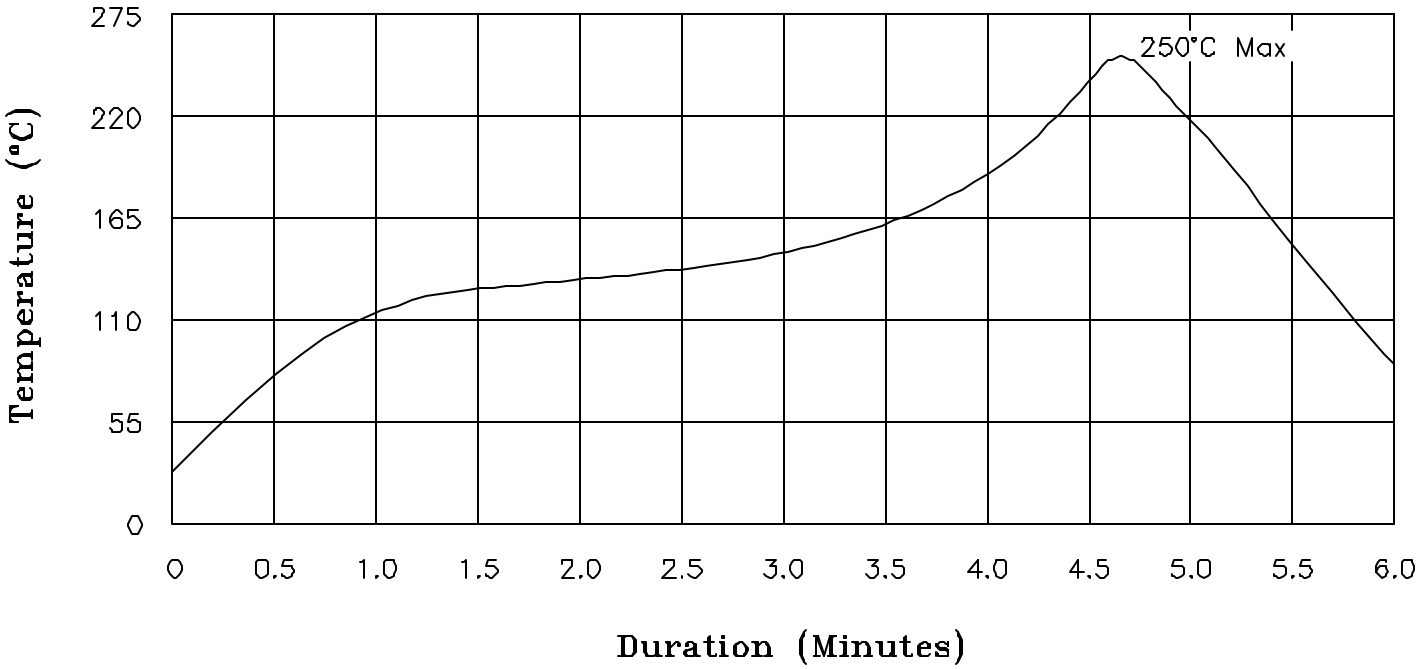
XFMRS

Recommended Infrared Reflow Temperature Profile for Select 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 (250°C)		
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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