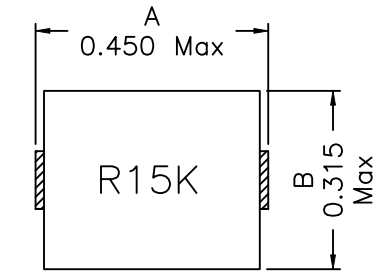
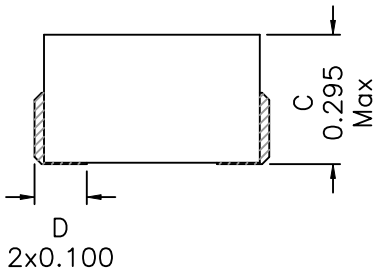
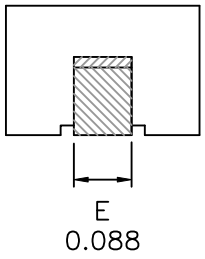
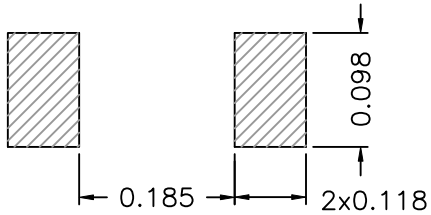
1. Mechanical Dimensions:



Top view

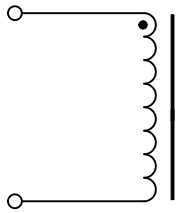






SUGGESTED LAND PATTERN

2. Schematic:



3. Electrical Specifications: @25°C

OCL: 150nH±10% @100KHz 0.1V, 0.0Adc

Q: 8 Min @1MHz 0.1V

Isat: 68A (Based on 30% Typ drop in OCL)

Irms: 61Adc (Based on 40°C Temp Rise)

DCR: 0.32 mOhms Max

Notes:

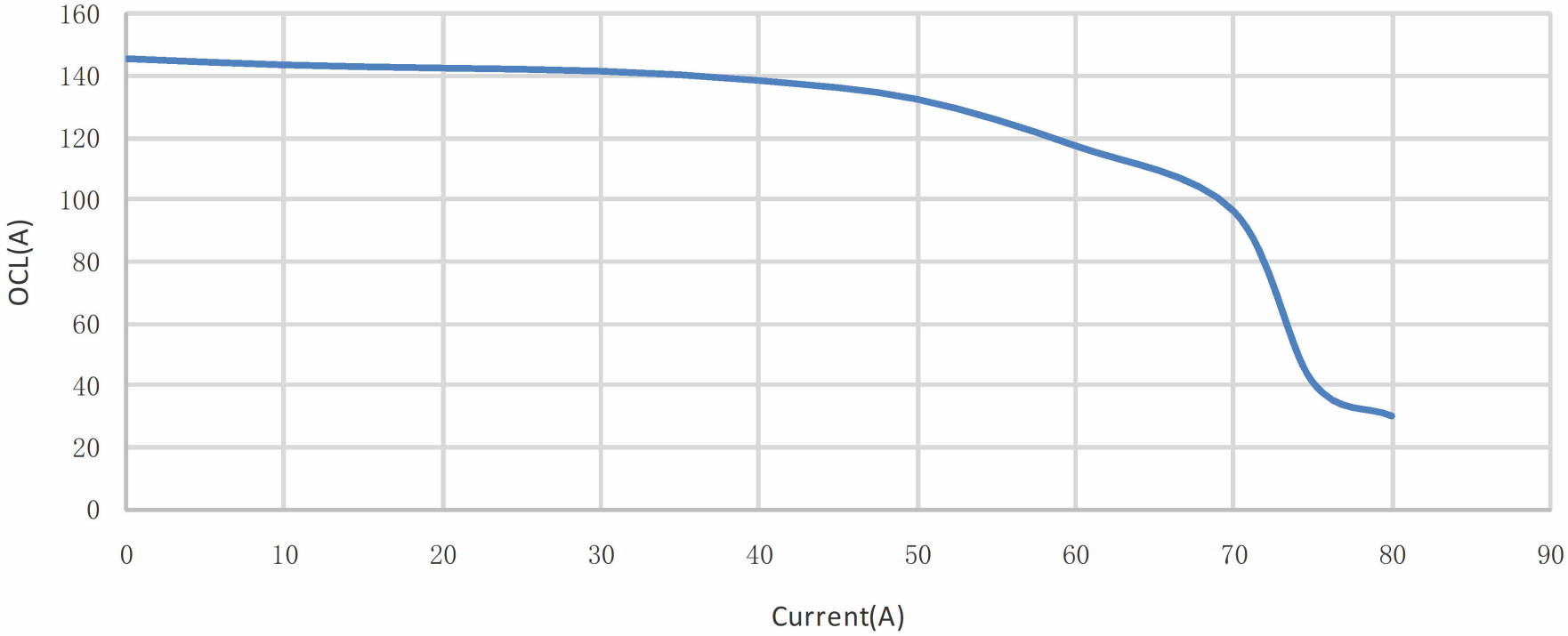
1. Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: > 28%
4. Insulation System: Class F 155°C. UL file E151556
5. Operating Temperature: -40°C to +125°C
6. Storage Temperature Range: -40°C to +125°C
7. Aqueous wash compatible
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 250°C Max.

DOC. REV: A/4

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: .xxx ±0.010 Dimensions in INCH	P/N: XF100807-R15K		REV. A
	DWN.	Huo	Apr-23-24
	CHK.	YK Liao	Apr-23-24
SHEET 1 OF 2	APP.	VL	Apr-23-24

OCL & Current graph



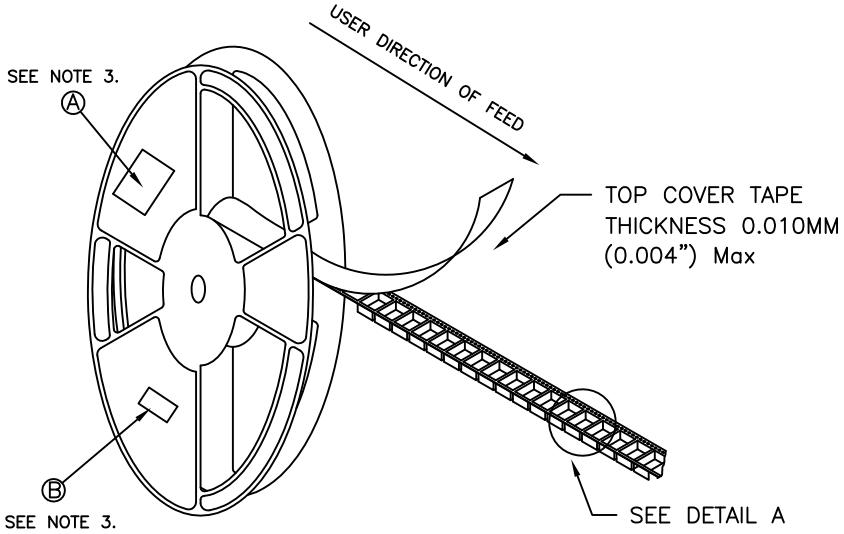
DOC. REV: A/4

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: .xxx ±0.010 Dimensions in INCH	P/N: XF100807-R15K		REV. A
	DWN.	Huo	Apr-23-24
	CHK.	YK Liao	Apr-23-24
SHEET 2 OF 2	APP.	VL	Apr-23-24

95-1008-07

TAPE AND REEL SPECIFICATION:



REEL AND TAPE ORIENTATION

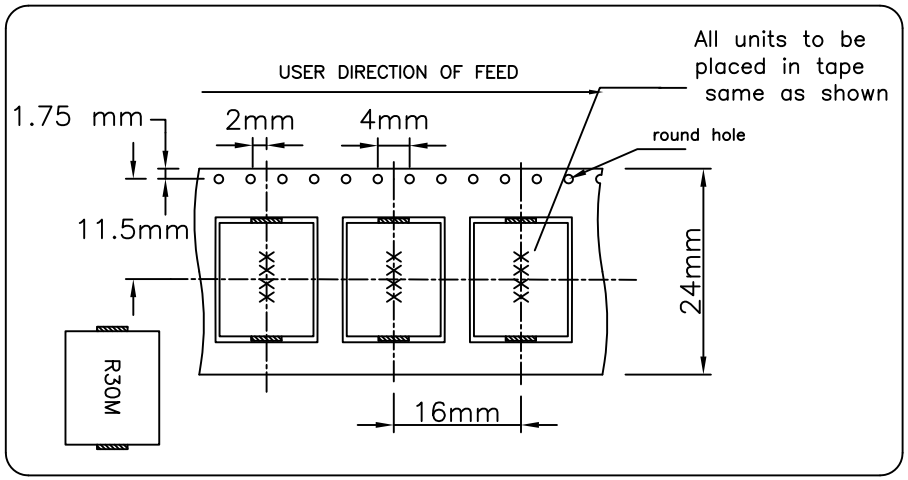
13" REEL DIAMETER

For FG: XF100807-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
   'B'- ANTI-STATIC CAUTION LABEL
4) 500PCS PER REEL

DETAIL A



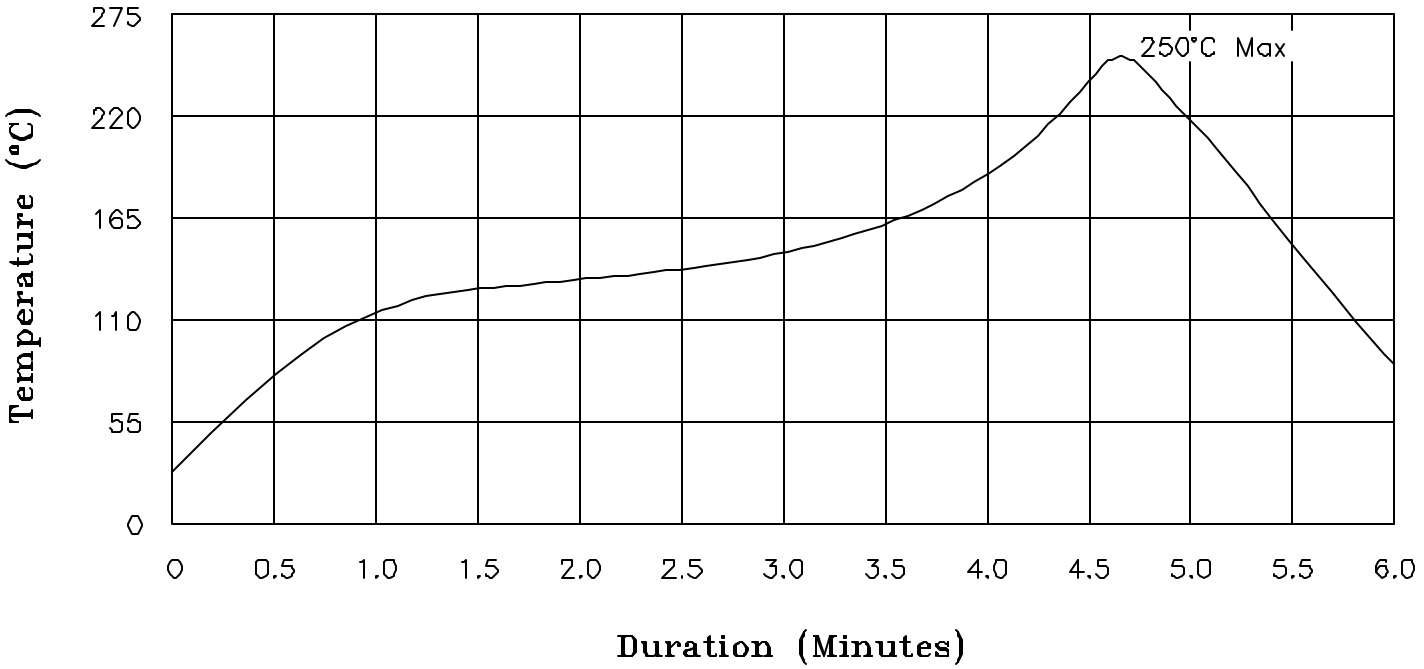
DOC. REV. A/1

XFMRS Inc	Title: T&R SPEC		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxs ±xxxxx Dimensions in mm	P/N:XF100807 SERIES		REV: A
	DWN.	Kong	Oct-17-12
	CHK.	YK Liao	Oct-17-12
SHEET 1 OF 1	APP.	BSJ	Oct-17-12

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

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

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