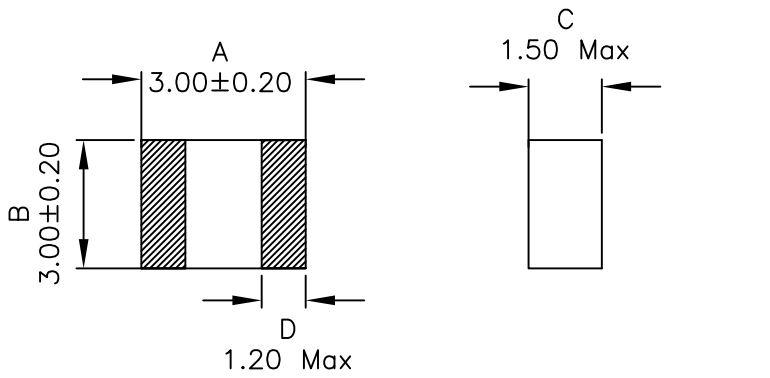
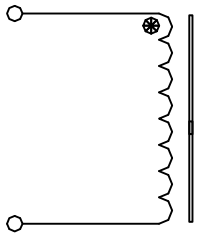
## 1. Mechanical Dimensions:




## 2. Schematic:



## 3. Electrical Specifications: @25°C

OCL: 1uH±20% @100KHz 0.1V

Q : tbd Min @@100KHz 10mA

DCR: 47 mOhms Max @20°C

Irms Current: 2.7A (Based on 40°C Temp Rise)

Isat Current: 4.4A Typ (Based on 20% Max drop in OCL) )

SRF : tbd MHz Typ

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. All listed parameters are to be within tolerance from -40°C to +125°C unless etherwise noted. Ambient temperature: -40°C to +85°C refering to Irms
6. Storage Temperature Range: -20C to +40°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. Outsourced item processed & controlled under XFMRS QA system

PRELIMINARY

DOC REV: A/-

| | | | |
|---|---|---|---|
| XFMRS Inc<br>www.XFMRS.com | Title: INDUCTORS | | |
| UNLESS OTHERWISE SPECIFIED<br>TOLERANCES:<br>xxx ±0.25<br>Dimensions in MM | P/N: XFCSPL3-1R0M | | REV. A |
| | DWN. | Xiang | Nov-17-15 |
| | CHK. | YK Liao | Nov-17-15 |
| SHEET 1 OF 1 | APP. | BSJ | Nov-17-15 |

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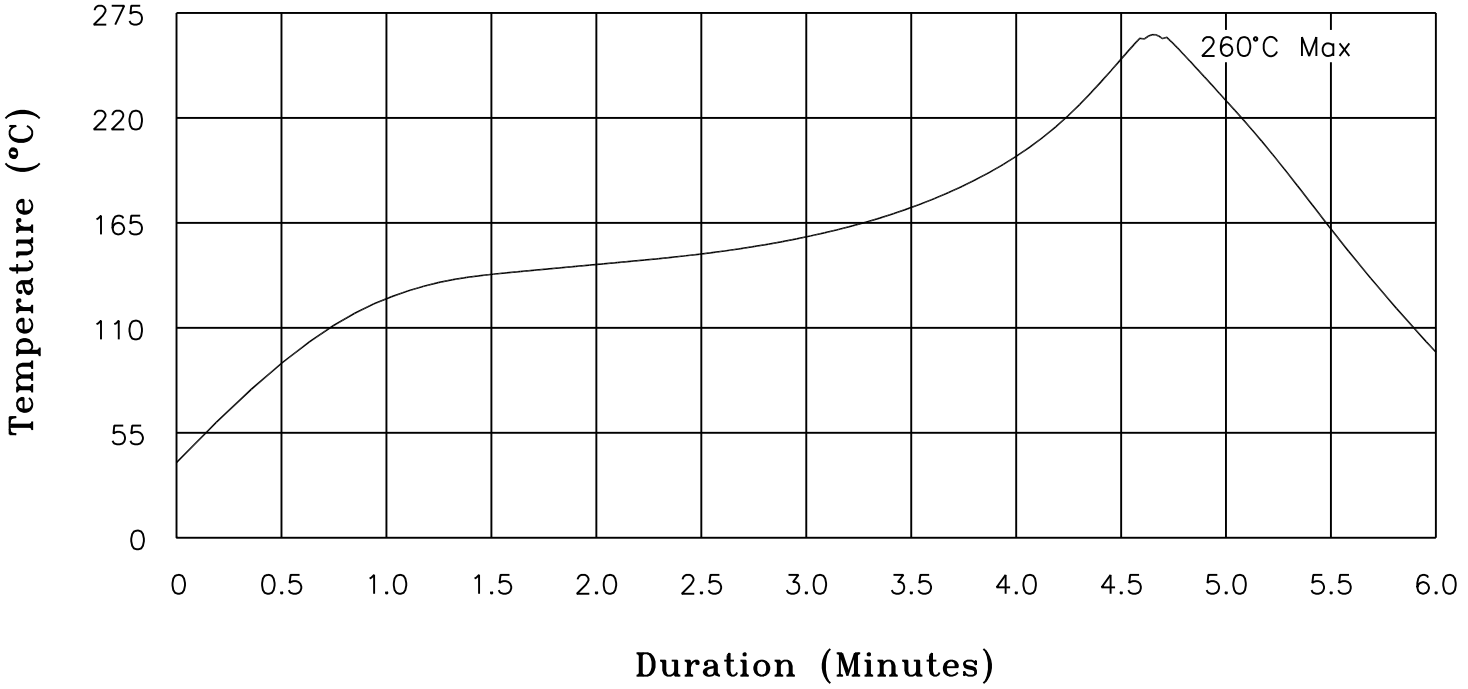
# XFMRS

## Recommended Infrared Reflow Temperature Profile for RoHS Compliant Parts




NOTES: Maximum duration at 260°+0/−5° shall be 10−20 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<br>www.XFMRS.com | Title: IR REFLOW CHART (RoHS Compliant parts) | | |
| UNLESS OTHERWISE SPECIFIED<br>TOLERANCES:<br>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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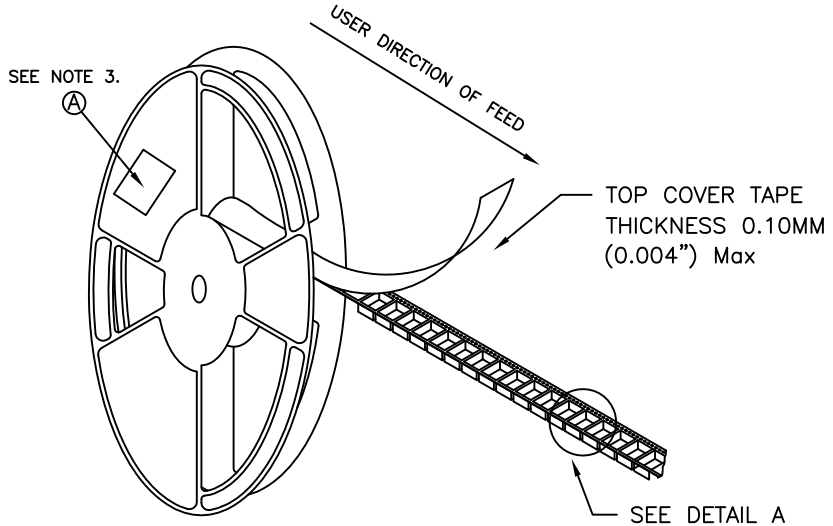
# TAPE AND REEL SPECIFICATION:

NOTES:

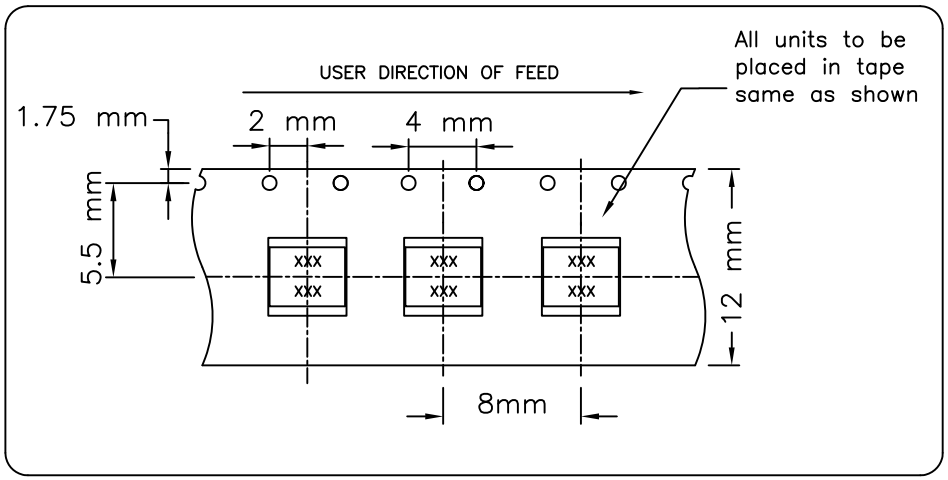
1) PROCESS IN ACCORDANCE WITH EIA-481-2 STANDARDS
   * TAPE LEADER DIMENSION 15.30" MIN.
   * TAPE TRAILER DIMENSION 6.30" MIN.
2) PARTS SHOULD BE PACKAGED IN ACCORDANCE WITH ESD GUIDELINES IN EIA-541.
3) REEL LABEL: 'A' * CUSTOMER PART NUMBER
   * QUANTITY
   * DATE CODE
4) 1000PCS PER 7"REEL




REEL AND TAPE ORIENTATION

## 13" REEL DIAMETER

DETAIL A




| XFMRS Inc | Title: T&R SPEC | | |
|---|---|---|---|
| UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxs ±xxxx Dimensions in mm | P/N: XFCSPL3-xxxx | | REV. A |
| | DWN. | Kong | Nov-14-17 |
| | CHK. | YK Liao | Nov-14-17 |
| SHT 1 OF 1 | APP. | GL | Nov-14-17 |

DOC.REV.A/1

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