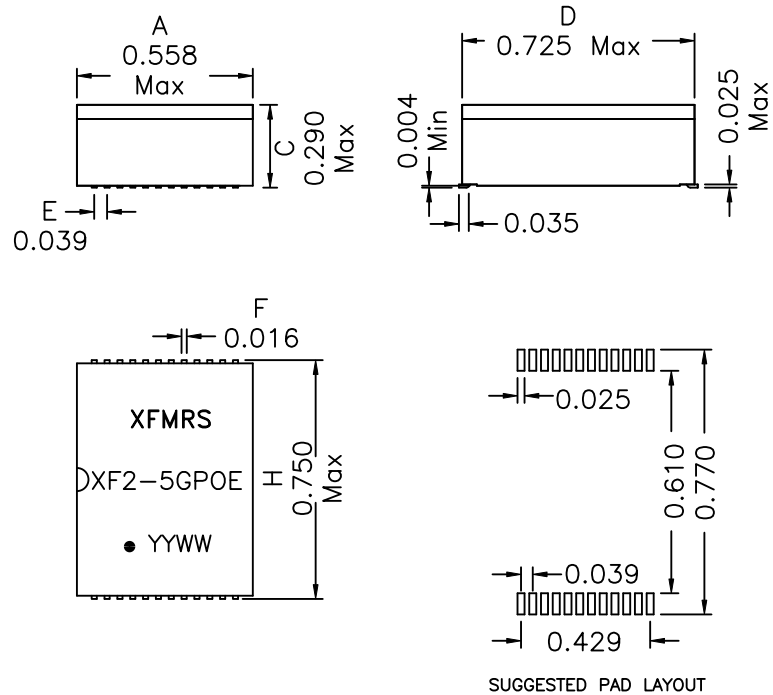
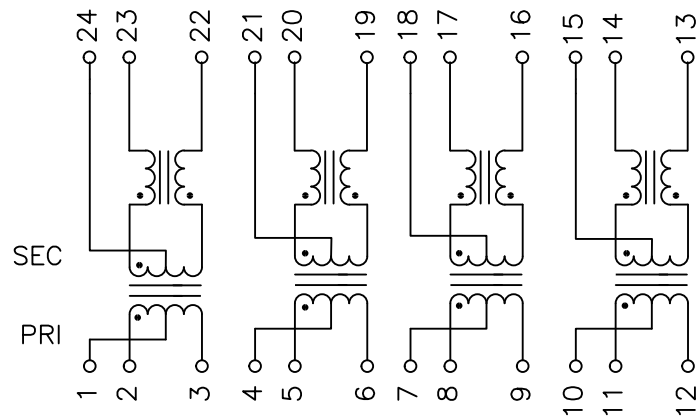


1. Mechanical Dimensions:



2. Schematic:



DOC. REV: B/1

3. Electrical Specifications: @25°C

- ISOLATION: 1500 Vrms, 60Sec
- URNS RATIO: (PRI/SEC) 1CT:1CT ±2%
- Pri OCL: 350uH MIN @100KHz 100mV 8mADC
- Q: Pins 2–3 8 Min @100KHz 100mV
- DCR: Pins 23–22, 20–19, 17–16, 14–13 1.2 Ohms Max
- INSERTION LOSS: -1.0dB MAX @1MHz–100MHz
 -1.5dB MAX @100MHz–125MHz
 -2.5dB MAX @125MHz–250MHz
- RETURN LOSS: -16dB Min @1MHz–40MHz
 -10dB Min @40MHz–100MHz
 -6dB Min @100MHz–125MHz
- Cross Talk: -30dB Min @ 1MHz–100MHz
 -25dB Min @ 100MHz–125MHz
- Common to Common Mode Rejection:
 -30dB Min @ 1MHz–100MHz
 -25dB Min @ 100MHz–125MHz
- 1.6A Total Current Capability (4 pairs)

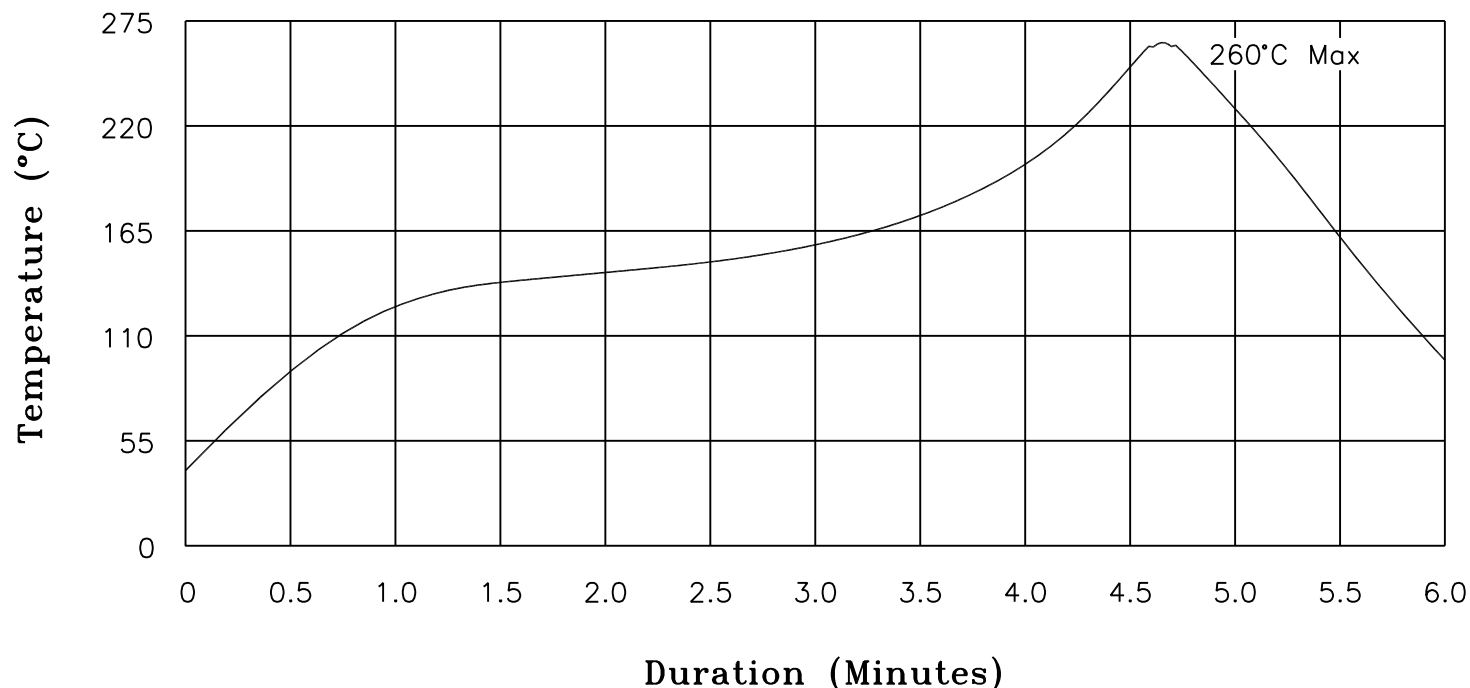
Notes:

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 +85°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 250°C Max.

| | | | |
|--|--|----------------|-----------|
| XFMR5 [®] www.XFMR5.com | Title: 2.5G BASE-T POE TRANSFORMER | | |
| | UNLESS OTHERWISE SPECIFIED TOLERANCES: | P/N: XF2-5GPOE | REV. B |
| .xxx ±0.01 | DWN. | Mei Chen | Aug-11-22 |
| Dimensions in INCH | CHK. | YK Liao | Aug-11-22 |
| SHEET 1 OF 1 | APP. | BSJ | Aug-11-22 |

XFMRs

Recommended Infrared Reflow Temperature Profile for RoHS Compliant Parts

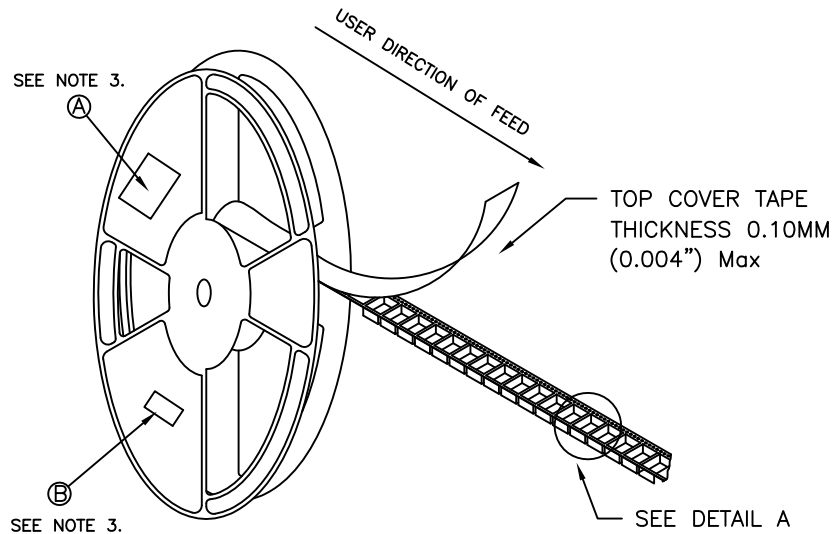


NOTES: Maximum duration at 260°+0/-5° with 10 seconds Max.
 Maximum duration above 217° shall be 60-150 seconds.
 ALL Temperatures refer to topside of the package, measured on the package body surface.

| | | | |
|-----------------------------------|--|----------|--------------------|
| XFMRs Inc www.XFMRS.com | Title: IR REFLOW CHART (RoHS Compliant parts) | | |
| | UNLESS OTHERWISE SPECIFIED TOLERANCES: N/A | | P/N: N/A REV. A |
| SHEET 1 OF 1 | DWN. | Juan Mao | Jan-16-05 |
| | CHK. | YK Liao | Jan-16-05 |
| | APP. | MS | Jan-16-05 |

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TAPE AND REEL SPECIFICATION:



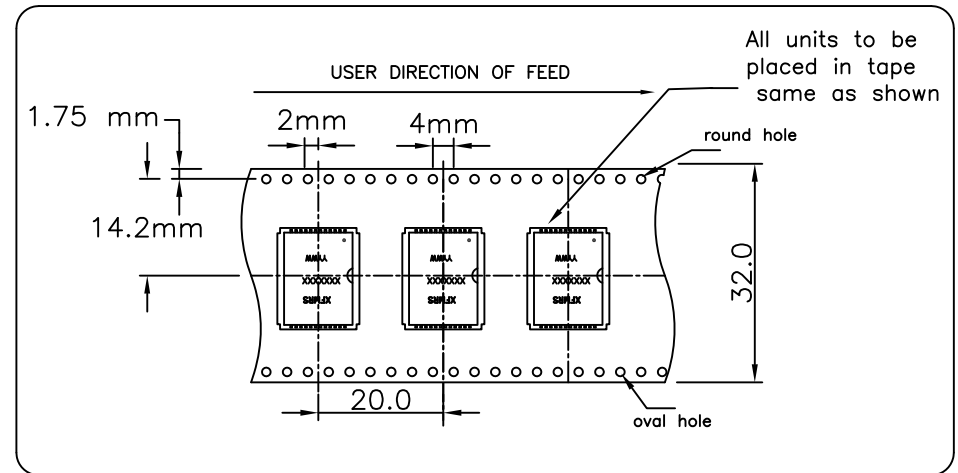
REEL AND TAPE ORIENTATION

13" REEL DIAMETER
For FG: XFATM9D2

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) 400PCS PER 13" REEL

DETAIL A



DOC REV: A/1

| | | | |
|------------------|----------------------------|------|---------------|
| XFMR5 Inc | Title: T&R SPEC | | |
| | UNLESS OTHERWISE SPECIFIED | | P/N: XFATM9D2 |
| TOLERANCES: | | DWN. | Kong |
| .xxs ±xxxxx | | CHK. | YK Liao |
| Dimensions in mm | | APP. | Joe Huff |
| SHT 2 OF 2 | | | REV:A |
| | | | Jun-06-12 |
| | | | Jun-06-12 |
| | | | Jun-06-12 |

PROPRIETARY

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