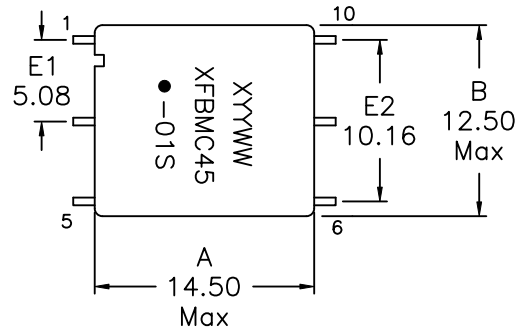
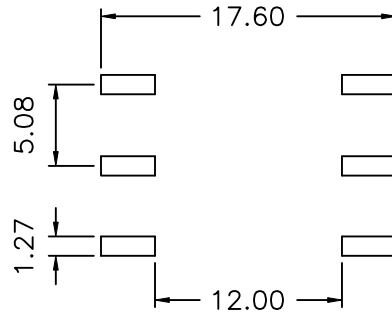
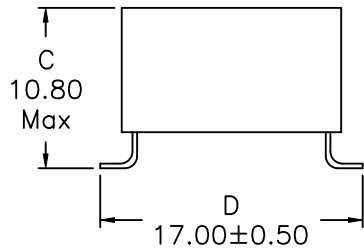


## 1. Mechanical Dimensions:



Top view

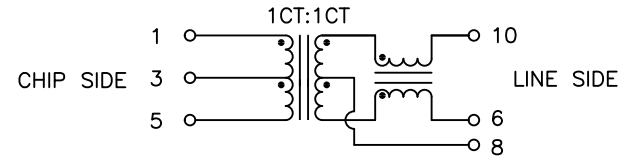


SUGGESTED FOOTPRINT

### 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: -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)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component
11. Recommended IR Reflow peak temp of 235°C Max.
12. AEC-Q200 Certified Component
13. Designed to meet UL60950 for Reinforced Insulation

## 2. Schematic:



## 3. Electrical Specifications: @25°C

UTP Impedance: 100 OHMS

Turns Ratio: (CHIP : UTP)=1CT:1CT ±2%

Isolation Voltage: 4500 Vrms (CHIP to LINE)

UTP Side OCL: 350uH Minimum @100KHz, 100mV 30mADC

UTP Side Q: 8 Minimum @100KHz, 100mV

Rise Time (10-90%): 2.0ns Typical

Insertion Loss (1M-100MHz): 1.0dB Maximum

Return Loss(5-100MHz): -15dB Typical

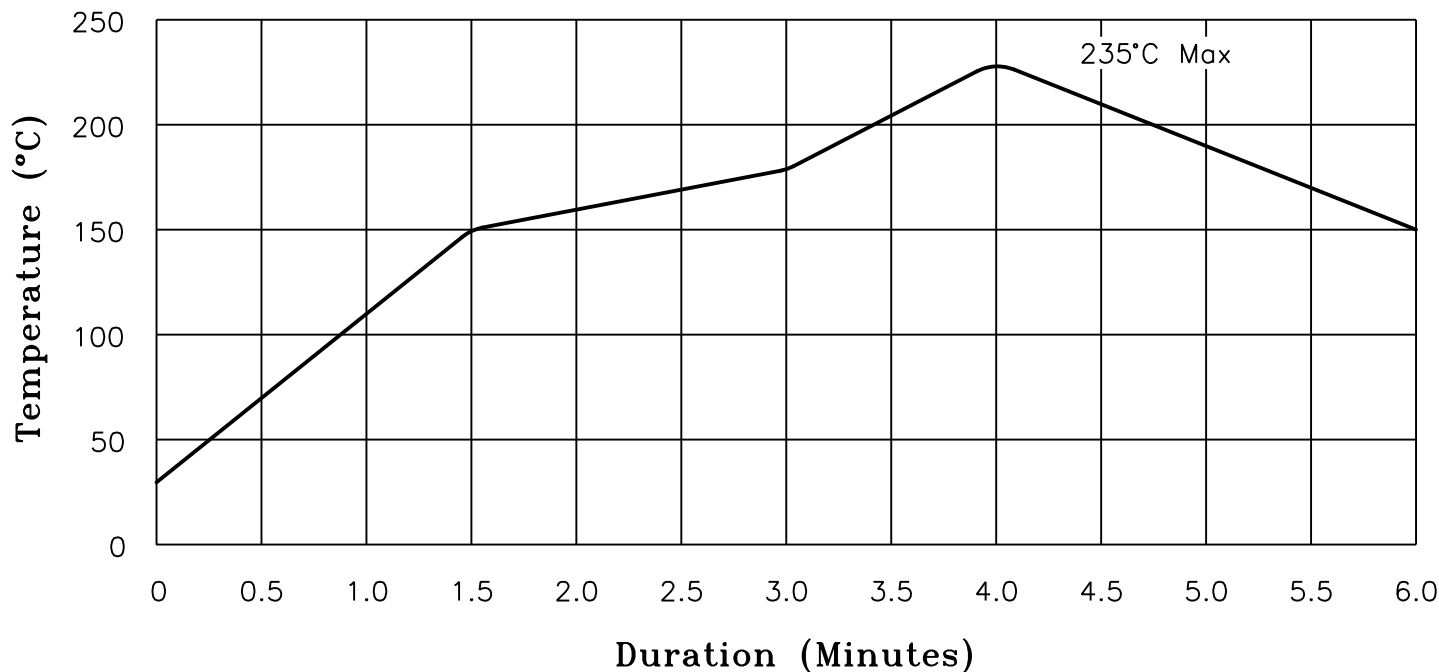
CMRR (1-100MHz): -40dB Typical

DOC. REV: A/3

<b>XFMR<sup>®</sup></b> <a href="http://www.XFMRS.com">www.XFMRS.com</a>	Title: <b>TRANSFORMER</b>		
	UNLESS OTHERWISE SPECIFIED	P/N: XFBMC45-01S-A	REV. A
TOLERANCES: .xx ±0.25	DWN.	Yu	Sep-04-20
Dimensions in MM	CHK.	YK Liao	Sep-04-20
SHEET 1 OF 1	APP.	BW	Sep-04-20

# XFMRs

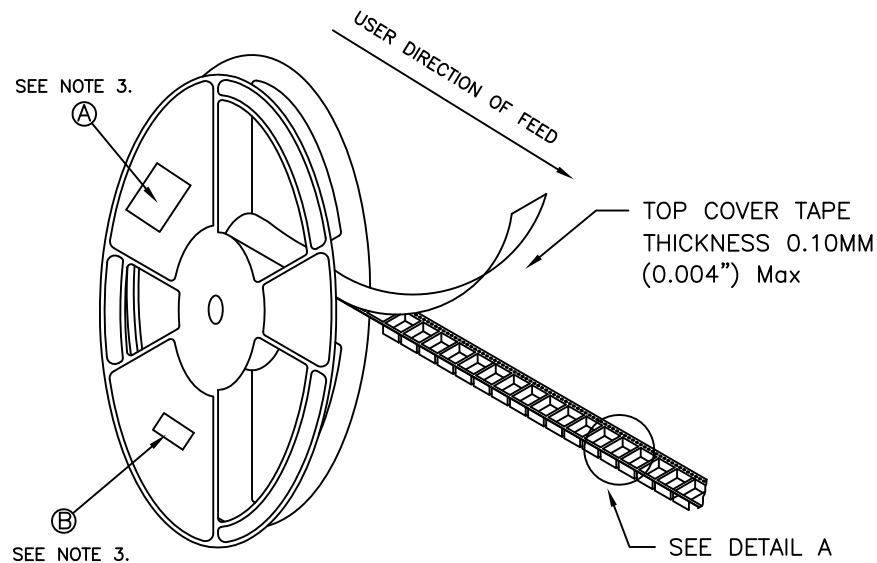
## Recommended Infrared Reflow Temperature Profile for RoHS Compliant Parts



NOTES: Maximum duration at 235+0/-5° shall be 10-15 seconds.  
 Maximum duration above 217° shall be 45-75 seconds.  
 ALL Temperatures refer to topside of the package, measured on the package body surface.  
 \*Excludes ALL RJ-45 Combo products. (See IR Reflow for Non-RoHS Compliant parts)

<b>XFMRs Inc</b> www.XFMRs.com	Title: <b>IR REFLOW CHART</b> <b>(RoHS Compliant parts)</b>			
	UNLESS OTHERWISE SPECIFIED TOLERANCES: N/A	P/N: N/A	REV. A	
	DWN.	廖玉坤	Aug-18-05	
	CHK.	李清儿	Aug-18-05	
SHEET 1 OF 1	APP.	Isaiah M	Aug-18-05	

# TAPE AND REEL SPECIFICATION:



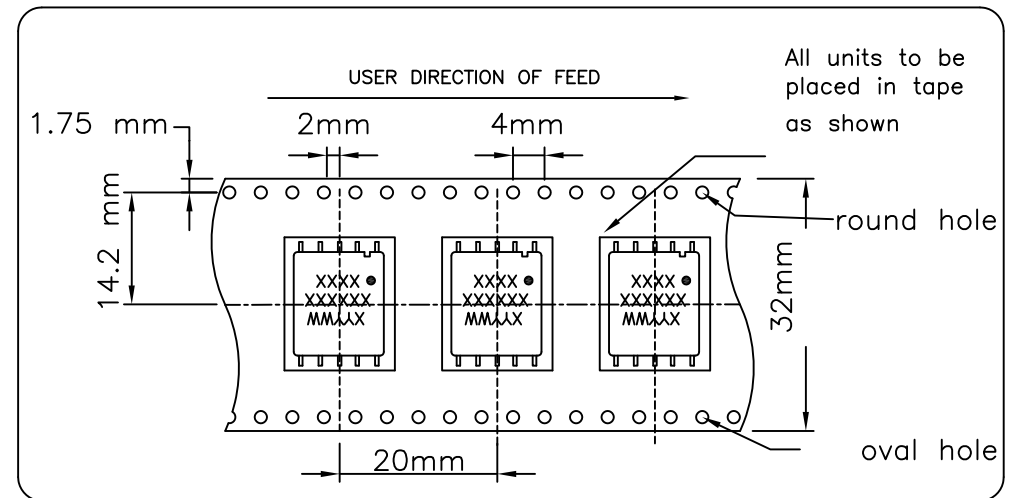
REEL AND TAPE ORIENTATION

**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
- 4) 250pcs PER 13" REEL

DETAIL A



DOC REV:A/1

<b>XFMRs®</b> www.XFMRs.com		Title: <b>T&amp;R SPEC</b>		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±xxxxx Dimensions in mm	P/N:95-STFM-01-WT		REV. A	
	DWN.	Kong	May-08-19	
	CHK.	YK Liao	May-08-19	
SHT 2 OF 2	APP.	BW	May-08-19	

**PROPRIETARY**

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