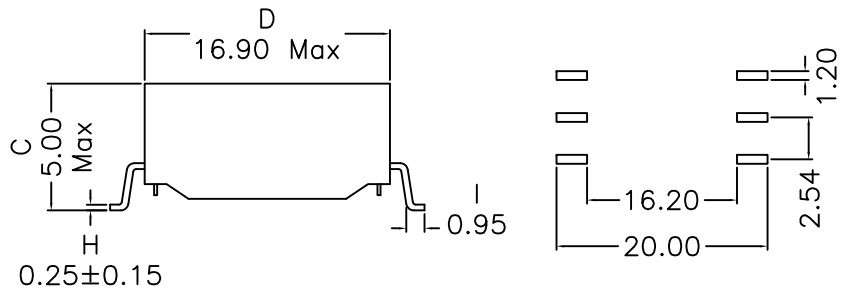
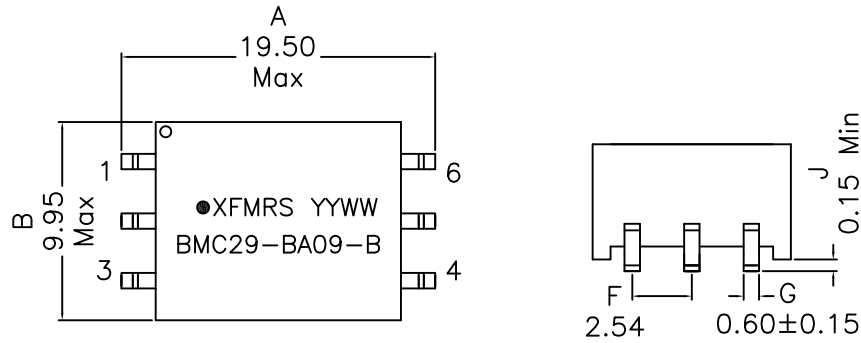
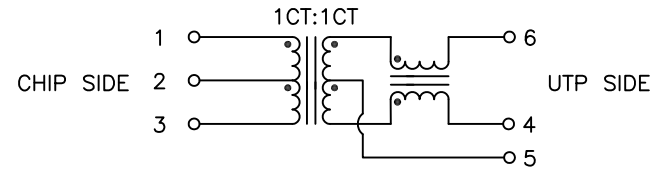


## 1. Mechanical Dimensions:



SUGGESTED PCB LAYOUT

## 2. Schematic:



## 3. Electrical Specifications: @25°C

UTP Impedance: 100 OHMS

Turns Ratio: (CHIP : UTP)=1CT:1CT±2%

Isolation Voltage: 2900Vac, CHIP SIDE to UTP SIDE

UTP Side OCL: 350uH Min @100KHz 0.1V, 8mA<sub>dc</sub>

UTP Side Q: 5 Min @100KHz 0.1V,

Rise Time (10–90%): 4.0ns Typical

Insertion Loss (1–50MHz): –1.0dB Maximum

(50–100MHz): –2.0dB Maximum

Return Loss: 30MHz 60MHz 80MHz

–20dB –14dB –9dB Typ

CMRR: 30MHz 50MHz 100MHz

–42dB –37dB –33dB Typ

### Notes:

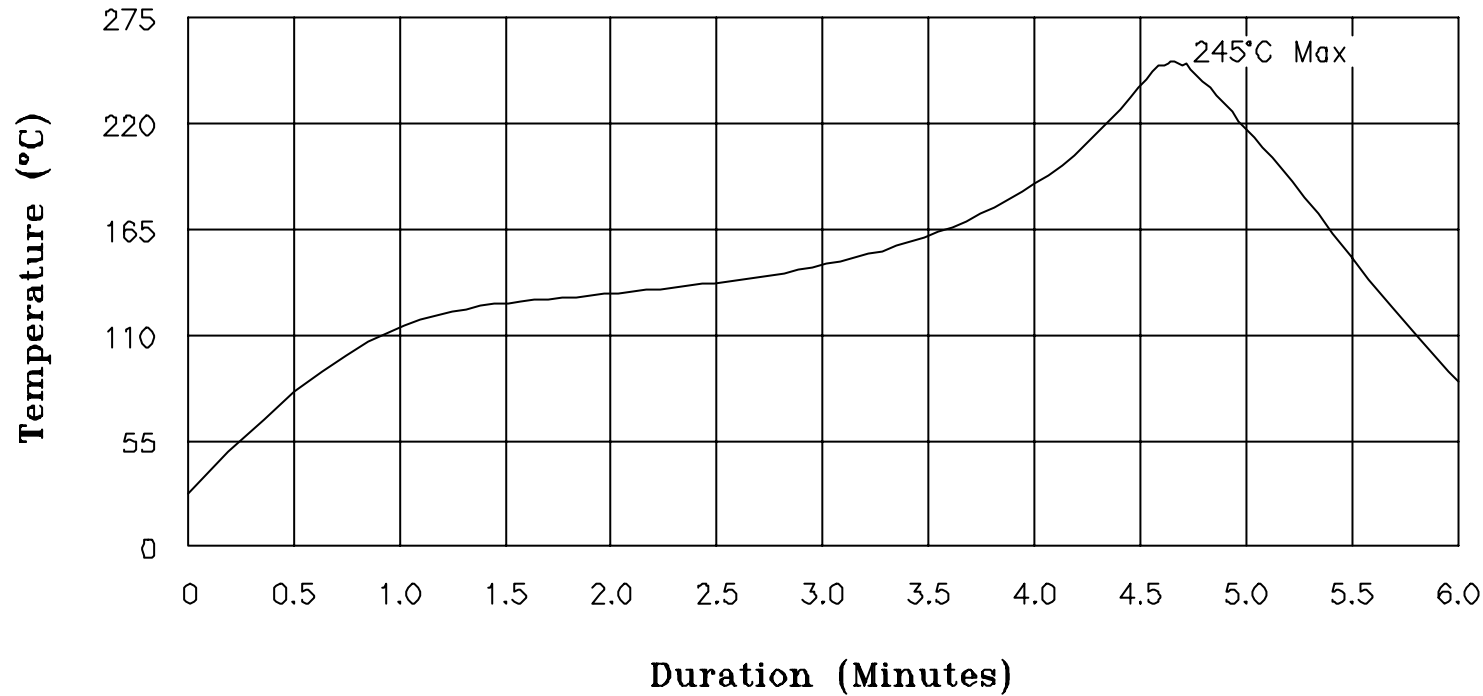
1. Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: > 28%
4. Insulation System: Class F 155°C. UL file E151556
5. All listed parameters are to be within tolerance from –40°C to +85°C unless otherwise noted
6. Storage Temperature 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 245C Max.

DOC. REV: A/3

<b>XFMRs Inc</b> www.XFMRS.com	Title: TRANSFORMER		
	UNLESS OTHERWISE SPECIFIED	P/N: XFBMC29-BA09-B	REV. A
TOLERANCES: .xx ±0.25 Dimensions in MM	DWN.	Xiang	Dec-30-15
	CHK.	YK Liao	Dec-30-15
SHEET 1 OF 1	APP.	BW	Dec-30-15

# XFMRs

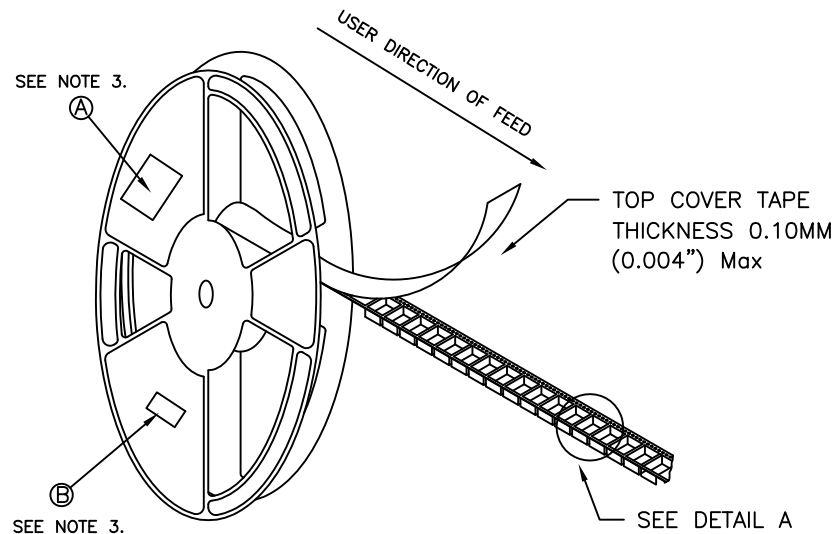
## Recommended Infrared Reflow Temperature Profile for RoHS Compliant Parts



NOTES: Maximum duration at 245°+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.

<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
	DWN.	Juan Mao	Dec-20-06
	CHK.	YK Liao	Dec-20-06
SHEET 1 OF 1	APP.	Joe Huff	Dec-20-06

**TAPE AND REEL SPECIFICATION:**



REEL AND TAPE ORIENTATION

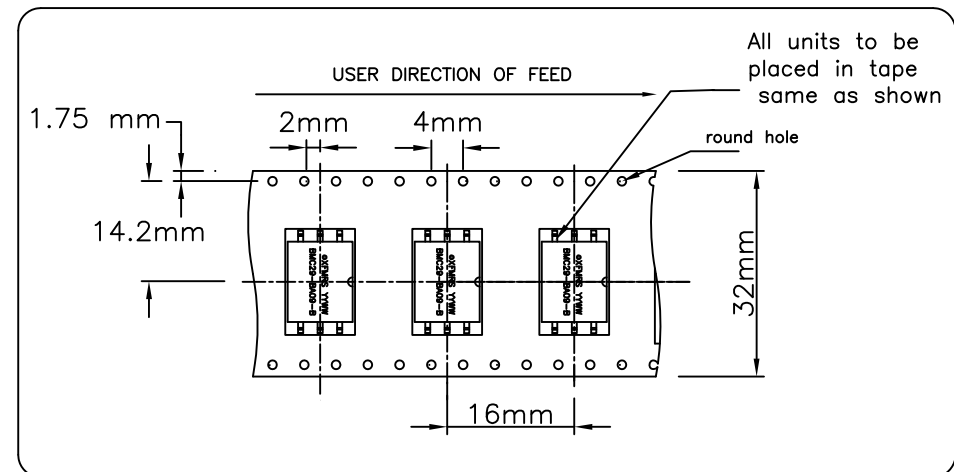
**13" REEL DIAMETER**

**For FG:XFBMC29-BA09-B**

**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
  - \* LOT NUMBER
- 4) 650PCS PER 13"REEL

DETAIL A



DOC. REV. A/1

<b>XFMRs Inc</b>	Title: T&R SPEC		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxs ±xxxxx Dimensions in mm	P/N: 95-BMC0-29		REV: A
	DWN.	Kong	Dec-07-15
	CHK.	YK Liao	Dec-07-15
SHT 1 OF 1	APP.	BW	Dec-07-15