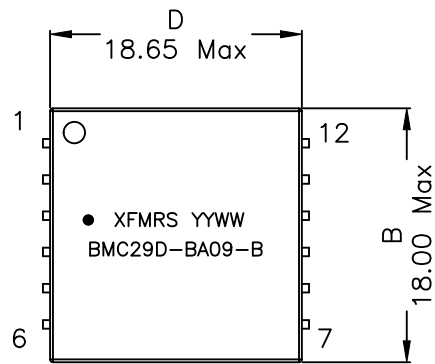
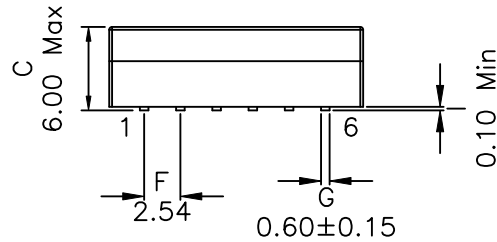
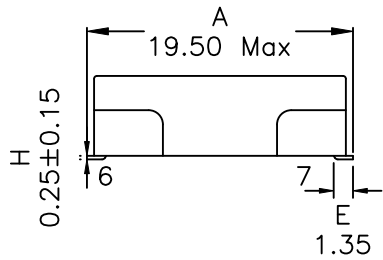
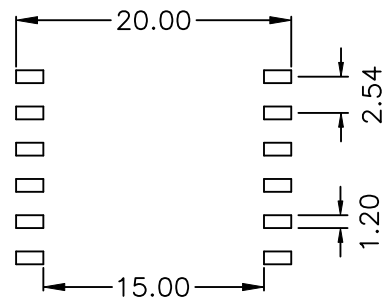


1. Mechanical Dimensions:

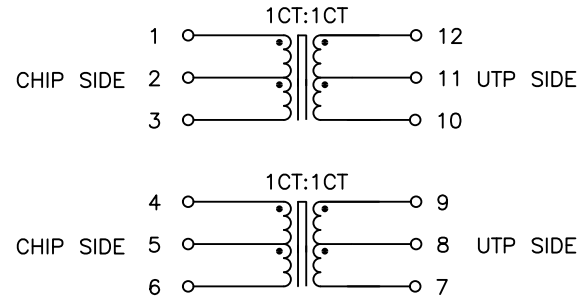


Top View



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, 8mAdc
 UTP Side Q: 5 Min @100KHz 0.1V,
 Rise Time (10-90%): 4.0ns Typical
 Insertion Loss (1-100MHz): -1.0dB Maximum
 Return Loss: 30MHz 60MHz 80MHz
 -20dB -14dB -11.5dB Typ
 CMRR: 30MHz 50MHz 100MHz
 -42dB -37dB -33dB Typ

Notes:

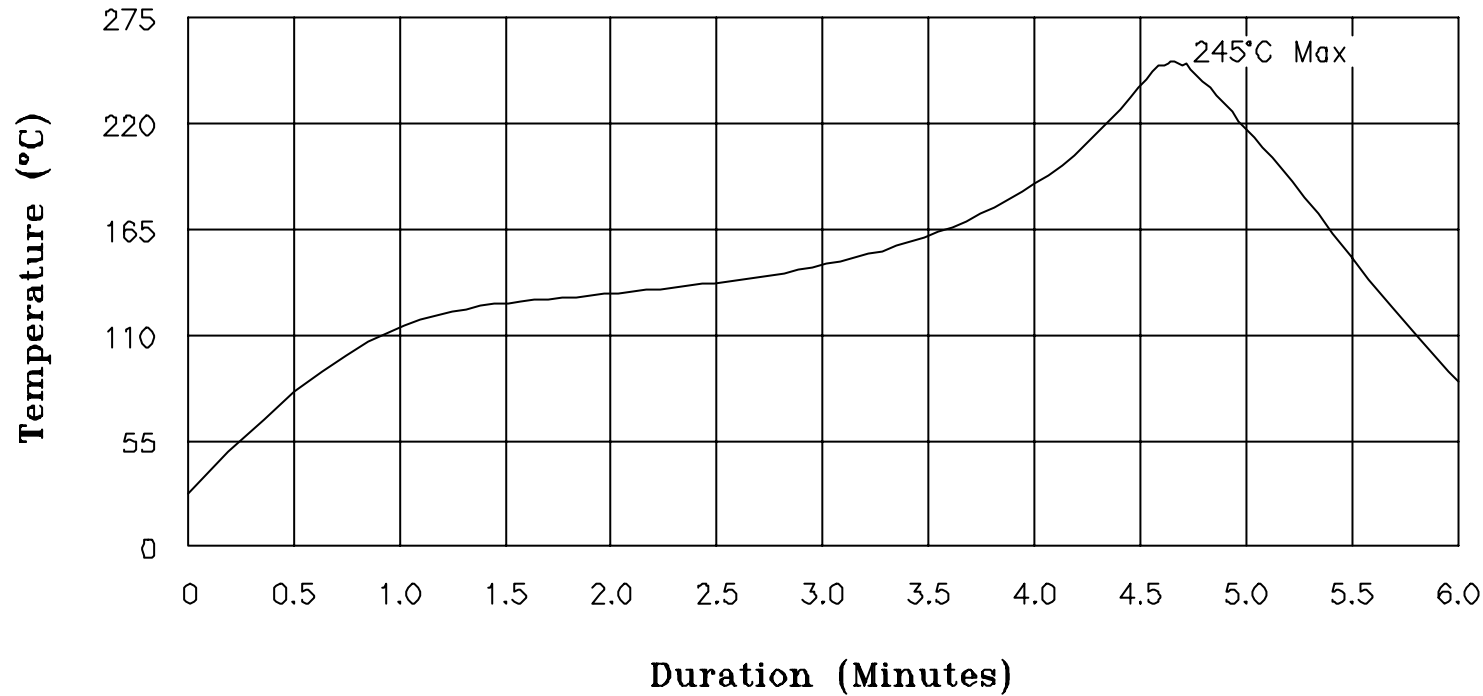
1. Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: > 28%
4. Insulation System: Class F 155°C. UL file E151556
5. Operating Temperature Range: -40°C to +125°C
6. Storage Temperature Range: -55°C to +125°C
7. Aqueous wash compatible
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 245°C Max.

DOC. REV: A/2

| | | | |
|--|----------------------------|------------------------|-----------|
| XFMRs [®] www.XFMRs.com | Title: TRANSFORMER | | |
| | UNLESS OTHERWISE SPECIFIED | P/N: XFBMC29DNC-BA09-A | REV. A |
| TOLERANCES: .xx ±0.25 | DWN. | Yu | Aug-06-20 |
| Dimensions in MM | CHK. | YK Liao | Aug-06-20 |
| SHEET 1 OF 1 | APP. | DDC | Aug-06-20 |

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.

| | | | |
|-----------------------------------|--|----------|-----------|
| XFMRs Inc www.XFMRs.com | Title: IR REFLOW CHART (RoHS Compliant parts) | | |
| | 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 |

CONCEPT

GENERAL INFORMATION

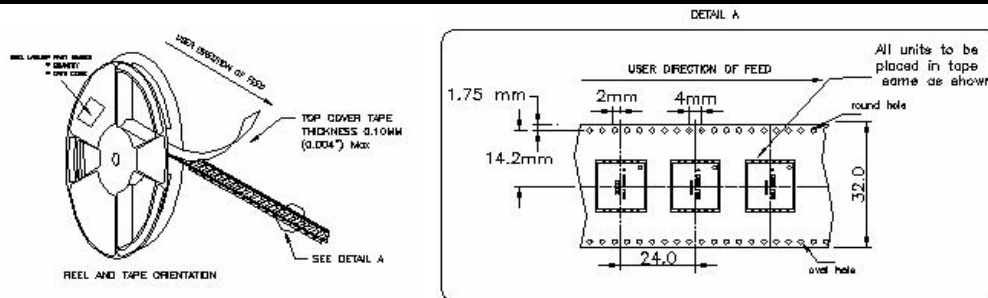
| | |
|-------------------|---|
| Part Numbe: | 95-BMC29-D1-YK |
| Part Description: | BMC29D |
| Weight (lbs.): | 0.00493 lbs.approx |
| T&R Notes: | 1) PROCESS IN ACCORDANCE WITH EIA-461-2 STANDARDS * TAPE LEADER DIMENSION 15.30" MIN. * TAPE TRAILER DIMENSION 6.30" MIN. 2) PARTS SHOULD BE PACKAGED IN ACCORDANCE WITH ESD GUIDELINES IN EIA-541. 3) REEL LABEL: 'A' * PART NUMBER * QUANTITY * DATE CODE |

SUPPLIER INFORMATION

| | |
|------------------|--|
| Company Name: | XFMRs |
| Address Line 1: | UNIT G-J, 3/F, BLK 1, GOLDEN DRAGON IND CTR |
| State / ZIP: | 152-160 TAI LIN PAI ROAD |
| Country: | HONG KONG, CHINA |
| Program Manager: | Kitty Lai |
| Contact E-mail: | klai@xfmrs.com.hk |
| Contact Phone: | 852 2423 1689 |

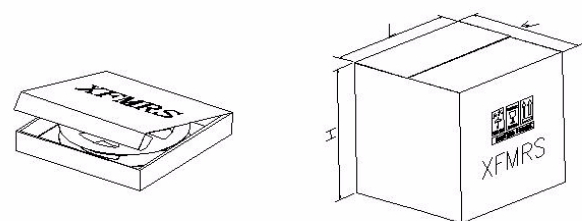
PRIMARY PACKAGING

| | | | | |
|--------------------------|------------------|--------|-------|--|
| Packaging Type: | PST&R | | | |
| Dimnsions(cm): | L 33.0 | W 33.0 | H 3.2 | |
| Weight: | 1.08 lbs. approx | | | |
| QPC (Parts Per Reel) | 350 pcs. | | | |
| Total Weight w/parts: | 2.80 lbs. | | | |
| Banding / Shrink / Wrap: | BOPP Wrap | | | |
| Other: | N/A | | | |



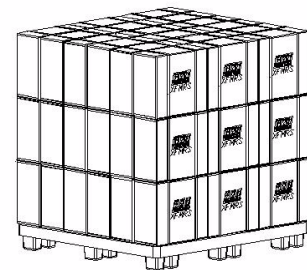
SECONDARY PACKAGING

| | | | | |
|-----------------------------|------------------------|--------|--------|--|
| Packaging Type: | Paper Box | | | |
| Dimnsions(cm): | L 36.5 | W 36.5 | H 36.0 | |
| Weight: | 1.89 lbs. | | | |
| Boxes per Unit Load: | 2800 pcs. | | | |
| Total weight w/Parts (lbs): | 24.81 lbs.approx | | | |
| Banding / Shrink / Wrap: | BOPP Wrap / PP Banding | | | |
| Other: | N/A | | | |



SHIPPING INFORMATION

| | | | | |
|--------------------------|-------------------|-------|-------|--|
| Packaging Type: | PE Pallet | | | |
| Unit Load dims(cm): | L 120 | W 100 | H 161 | |
| Weight: | 16.72 lbs. | | | |
| Number of box Loads: | 24 box. | | | |
| Number of Parts: | 67200 pcs. | | | |
| Load weight total (lbs): | 612.27 lbs.approx | | | |
| Banding / Shrink / Wrap: | PE Shrink | | | |



PACKAGING APPROVAL

| | | | | | |
|--|---------|---------|----------|-----|-----------|
| Internal Document Manufacture / Q.A ./ Process Instructions | Drafted | Checked | Approved | Rev | Date |
| | Kong | Liao | | A/1 | Aug-07-20 |
| | | | | | |