



BZX84C2V4TW~BZX84C75TW

TRIPLE ISOLATED SURFACE MOUNT ZENER DIODES

VOLTAGE 2.4 to 75 Volt **POWER** 200 mWatt

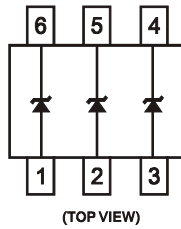
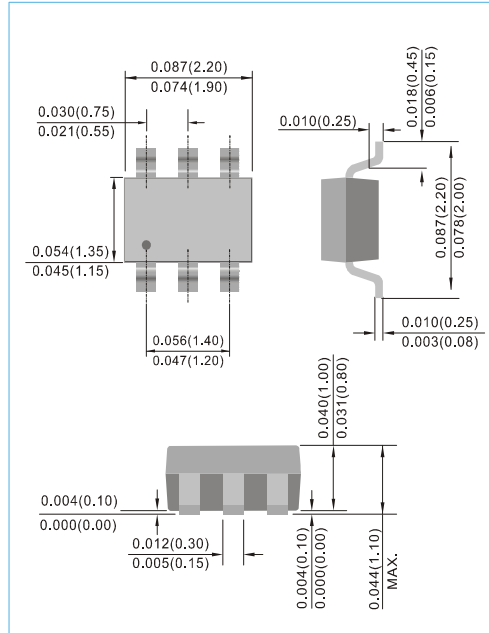
SOT-363 Unit : inch(mm)

FEATURES

- 200mW Power Dissipation Rating
- Zener Voltages from 2.4~75V
- Ideally Suited for Automatic Insertion
- Lead free in compliance with EU RoHS2.0
(2011/65/EU & 2015/865/EU directive)
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case: SOT-363, Molded Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.0002 ounces, 0.006 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

| PARAMETER | SYMBOL | VALUE | UNITS |
|--|-----------------|-------------|---------------|
| Power Dissipation (Note 1) | P_D | 200 | mW |
| Thermal Resistance, Junction to Ambient Air (Note 1) | $R_{\theta JA}$ | 625 | $^{\circ}C/W$ |
| Operating Junction Temperature and Storage Temperature Range | T_J, T_{STG} | -65 to +150 | $^{\circ}C$ |

NOTES:

1. FR-5 Board, minimum pad mounting (see min pad layout on page3).



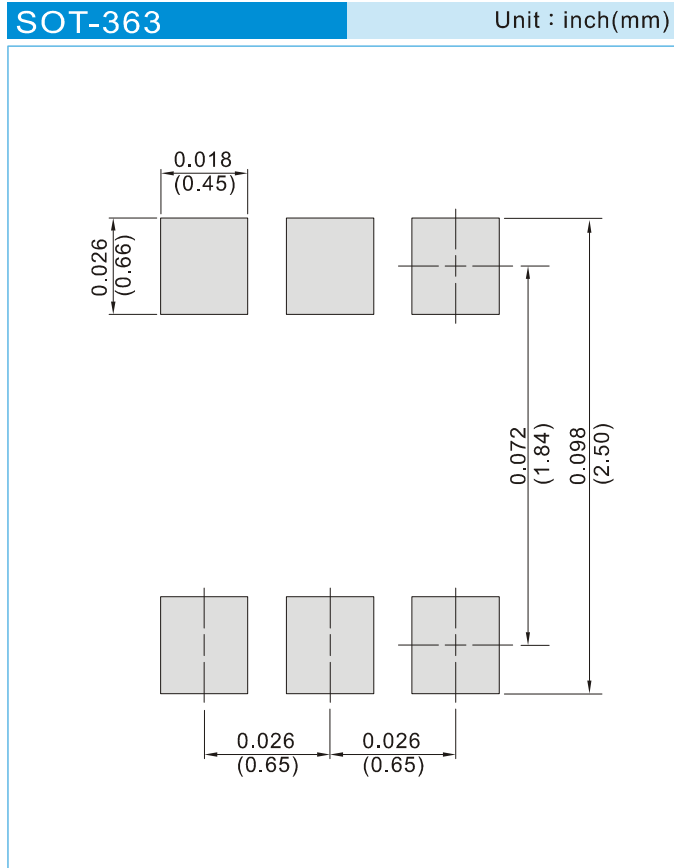
BZX84C2V4TW~BZX84C75TW

| Part Number | Nominal Zener Voltage | | | Max. Zener Impedance | | | | Max Reverse Leakage Current | | Marking Code |
|-------------|----------------------------------|--------|--------|-----------------------------------|-----|-----------------------------------|------|---------------------------------|------|--------------|
| | V _Z @ I _{ZT} | | | Z _{ZT} @ I _{ZT} | | Z _{ZK} @ I _{ZK} | | I _R @ V _R | | |
| | Nom. V | Min. V | Max. V | Ω | mA | Ω | mA | uA | V | |
| BZX84C2V4TW | 2.4 | 2.28 | 2.52 | 100 | 5.0 | 600 | 1.00 | 50 | 1.0 | W1 |
| BZX84C2V7TW | 2.7 | 2.57 | 2.84 | 100 | 5.0 | 600 | 1.00 | 20 | 1.0 | W2 |
| BZX84C3TW | 3.0 | 2.85 | 3.15 | 95 | 5.0 | 600 | 1.00 | 10 | 1.0 | W3 |
| BZX84C3V3TW | 3.3 | 3.14 | 3.47 | 95 | 5.0 | 600 | 1.00 | 5.0 | 1.0 | W4 |
| BZX84C3V6TW | 3.6 | 3.42 | 3.78 | 90 | 5.0 | 600 | 1.00 | 5.0 | 1.0 | W5 |
| BZX84C3V9TW | 3.9 | 3.71 | 4.10 | 90 | 5.0 | 600 | 1.00 | 3.0 | 1.0 | W6 |
| BZX84C4V3TW | 4.3 | 4.09 | 4.52 | 90 | 5.0 | 600 | 1.00 | 3.0 | 1.0 | W7 |
| BZX84C4V7TW | 4.7 | 4.47 | 4.94 | 80 | 5.0 | 500 | 1.00 | 3.0 | 2.0 | W8 |
| BZX84C5V1TW | 5.1 | 4.85 | 5.36 | 60 | 5.0 | 480 | 1.00 | 2.0 | 2.0 | W9 |
| BZX84C5V6TW | 5.6 | 5.32 | 5.88 | 40 | 5.0 | 400 | 1.00 | 1.0 | 2.0 | WA |
| BZX84C6V2TW | 6.2 | 5.89 | 6.51 | 10 | 5.0 | 150 | 1.00 | 3.0 | 4.0 | WB |
| BZX84C6V8TW | 6.8 | 6.46 | 7.14 | 15 | 5.0 | 80 | 1.00 | 2.0 | 4.0 | WC |
| BZX84C7V5TW | 7.5 | 7.13 | 7.88 | 15 | 5.0 | 80 | 1.00 | 1.0 | 5.0 | WD |
| BZX84C8V2TW | 8.2 | 7.79 | 8.61 | 15 | 5.0 | 80 | 1.00 | 0.7 | 5.0 | WE |
| BZX84C8V7TW | 8.7 | 8.27 | 9.14 | 15 | 5 | 100 | 1.00 | 0.7 | 5.0 | 87C |
| BZX84C9V1TW | 9.1 | 8.65 | 9.56 | 15 | 5.0 | 100 | 1.00 | 0.5 | 6.0 | WF |
| BZX84C10TW | 10 | 9.50 | 10.50 | 20 | 5.0 | 150 | 1.00 | 0.2 | 7.0 | WG |
| BZX84C11TW | 11 | 10.45 | 11.55 | 20 | 5.0 | 150 | 1.00 | 0.1 | 8.0 | WH |
| BZX84C12TW | 12 | 11.40 | 12.60 | 25 | 5.0 | 150 | 1.00 | 0.1 | 8.0 | WI |
| BZX84C13TW | 13 | 12.35 | 13.65 | 30 | 5.0 | 170 | 1.00 | 0.1 | 8.0 | WK |
| BZX84C14TW | 14 | 13.30 | 14.70 | 30 | 5.0 | 170 | 1.00 | 0.1 | 10.0 | WJ |
| BZX84C15TW | 15 | 14.25 | 15.75 | 30 | 5.0 | 200 | 1.00 | 0.1 | 10.5 | WL |
| BZX84C16TW | 16 | 15.20 | 16.80 | 40 | 5.0 | 200 | 1.00 | 0.1 | 11.2 | WM |
| BZX84C17TW | 17 | 16.15 | 17.85 | 40 | 5.0 | 200 | 1.00 | 0.1 | 12.2 | 17C |
| BZX84C18TW | 18 | 17.10 | 18.90 | 45 | 5.0 | 225 | 1.00 | 0.1 | 12.6 | WN |
| BZX84C20TW | 20 | 19.00 | 21.00 | 55 | 5.0 | 225 | 1.00 | 0.1 | 14.0 | WO |
| BZX84C22TW | 22 | 20.90 | 23.10 | 55 | 5.0 | 250 | 1.00 | 0.1 | 15.4 | WP |
| BZX84C24TW | 24 | 22.80 | 25.20 | 70 | 5.0 | 250 | 1.00 | 0.1 | 16.8 | WR |
| BZX84C27TW | 27 | 25.65 | 28.35 | 80 | 5.0 | 300 | 1.00 | 0.1 | 18.9 | WS |
| BZX84C28TW | 28 | 26.60 | 29.40 | 80 | 5.0 | 300 | 1.00 | 0.1 | 20.5 | 28C |
| BZX84C30TW | 30 | 28.50 | 31.50 | 80 | 5.0 | 300 | 1.00 | 0.1 | 21.0 | WT |
| BZX84C33TW | 33 | 31.35 | 34.65 | 80 | 5.0 | 325 | 1.00 | 0.1 | 23.1 | WU |
| BZX84C36TW | 36 | 34.20 | 37.80 | 90 | 5.0 | 350 | 1.00 | 0.1 | 25.2 | WW |
| BZX84C39TW | 39 | 37.05 | 40.95 | 130 | 5.0 | 350 | 1.00 | 0.1 | 27.3 | WX |
| BZX84C43TW | 43 | 40.85 | 45.15 | 150 | 5.0 | 375 | 1.00 | 0.1 | 30.1 | WY |
| BZX84C47TW | 47 | 44.65 | 49.35 | 170 | 5.0 | 375 | 1.00 | 0.1 | 32.9 | WZ |
| BZX84C51TW | 51 | 48.45 | 53.55 | 100 | 5.0 | 400 | 1.00 | 0.1 | 38 | XA |
| BZX84C56TW | 56 | 53.20 | 58.80 | 135 | 2.5 | 1000 | 1.00 | 0.1 | 42 | X2 |
| BZX84C62TW | 62 | 58.90 | 65.10 | 150 | 2.5 | 1000 | 1.00 | 0.1 | 46 | X3 |
| BZX84C68TW | 68 | 64.60 | 71.40 | 200 | 2.5 | 1000 | 1.00 | 0.1 | 51 | X4 |
| BZX84C75TW | 75 | 71.25 | 78.75 | 250 | 2.5 | 1000 | 1.00 | 0.1 | 56 | X5 |



BZX84C2V4TW~BZX84C75TW

MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 - T/R - 10K per 13" plastic Reel
 - T/R - 3K per 7" plastic Reel



BZX84C2V4TW~BZX84C75TW

Part No_packing code_Version

BZX84C2V4TW_R1_00001

BZX84C2V4TW_R2_00001

For example :

RB500V-40_R2_00001



| Packing Code XX | | | | Version Code XXXXX | | |
|--------------------------------------|----------------------|----------------------------------|----------------------|---------------------------|----------------------|---------------------------------------|
| Packing type | 1 st Code | Packing size code | 2 nd Code | HF or RoHS | 1 st Code | 2 nd ~5 th Code |
| Tape and Ammunition Box (T/B) | A | N/A | 0 | HF | 0 | serial number |
| Tape and Reel (T/R) | R | 7" | 1 | RoHS | 1 | serial number |
| Bulk Packing (B/P) | B | 13" | 2 | | | |
| Tube Packing (T/P) | T | 26mm | X | | | |
| Tape and Reel (Right Oriented) (TRR) | S | 52mm | Y | | | |
| Tape and Reel (Left Oriented) (TRL) | L | PANASERT T/B CATHODE UP (PBCU) | U | | | |
| FORMING | F | PANASERT T/B CATHODE DOWN (PBCD) | D | | | |



BZX84C2V4TW~BZX84C75TW

Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Panjit:](#)

[BZX84C24TW_R2_10001](#) [BZX84C24TW_R1_00001](#) [BZX84C24TW_R1_10001](#) [BZX84C24TW_R2_00001](#)