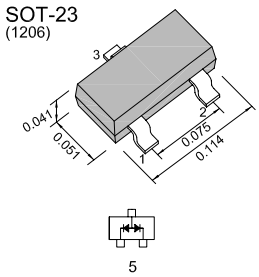
# SMD Zener Diodes (Three Terminals) - 300mW

**SMD Zener**

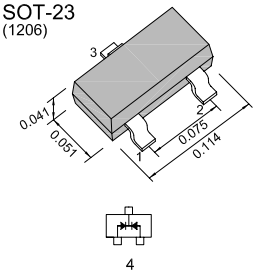
| 300mW | Cross Reference | Marking Code | Norminal Zener Voltage @ $I_{ZT}$ | | | Test Current | Max. Zener Impedance ( Ω ) | | | Maximum Reverse Leakage Current $I_R$ @ $V_R$ | | Package | Outline (Typ. in Inches) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Nom. | Min. | Max. | | | | | | | | |
| Part No. | | | $V_Z$(V) | $V_Z$(V) | $V_Z$(V) | $I_{ZT}$(mA) | $Z_{ZT}$ @ $I_{ZT}$ | $Z_{ZK}$@ $I_{ZK}$ | $I_{ZK}$ (mA) | $I_R$(μA) | $V_R$(V) | 7" Reel | |
| TZT2V4AW | - | DO | 2.4 | 2.28 | 2.52 | 5.0 | 85 | 600 | 1.0 | 100 | 1.0 | 3000 | SOT-23 (1206)   5 |
| TZT2V7AW | - | DA | 2.7 | 2.57 | 2.84 | 5.0 | 83 | 600 | 1.0 | 75 | 1.0 | | |
| TZT3V0AW | - | DB | 3.0 | 2.85 | 3.15 | 5.0 | 95 | 600 | 1.0 | 50 | 1.0 | | |
| TZT3V3AW | - | DC | 3.3 | 3.14 | 3.47 | 5.0 | 95 | 600 | 1.0 | 25 | 1.0 | | |
| TZT3V6AW | - | DD | 3.6 | 3.42 | 3.78 | 5.0 | 95 | 600 | 1.0 | 15 | 1.0 | | |
| TZT3V9AW | - | DE | 3.9 | 3.71 | 4.10 | 5.0 | 95 | 600 | 1.0 | 10 | 1.0 | | |
| TZT4V3AW | - | DF | 4.3 | 4.09 | 4.52 | 5.0 | 95 | 600 | 1.0 | 5 | 1.0 | | |
| TZT4V7AW | - | DG | 4.7 | 4.47 | 4.94 | 5.0 | 78 | 500 | 1.0 | 5 | 1.0 | | |
| TZT5V1AW | - | DH | 5.1 | 4.85 | 5.36 | 5.0 | 60 | 480 | 1.0 | 0.1 | 0.8 | | |
| TZT5V6AW | - | DI | 5.6 | 5.32 | 5.88 | 5.0 | 40 | 400 | 1.0 | 0.1 | 1.0 | | |
| TZT6V2AW | - | DJ | 6.2 | 5.89 | 6.51 | 5.0 | 10 | 150 | 1.0 | 0.1 | 2.0 | | |
| TZT6V8AW | - | D11 | 6.8 | 6.46 | 7.14 | 5.0 | 8 | 80 | 1.0 | 0.1 | 3.0 | | |
| TZT7V5AW | - | D12 | 7.5 | 7.13 | 7.88 | 5.0 | 7 | 80 | 1.0 | 0.1 | 5.0 | | |
| TZT8V2AW | - | D13 | 8.2 | 7.79 | 8.61 | 5.0 | 7 | 80 | 1.0 | 0.1 | 6.0 | | |
| TZT8V7AW | | D87 | 8.7 | 8.27 | 9.14 | 5.0 | 7 | 100 | 1.0 | 0.1 | 6.5 | | |
| TZT9V1AW | - | D14 | 9.1 | 8.65 | 9.56 | 5.0 | 10 | 100 | 1.0 | 0.1 | 7.0 | | |
| TZT10AW | - | D15 | 10 | 9.50 | 10.50 | 5.0 | 15 | 150 | 1.0 | 0.1 | 7.5 | | |
| TZT11AW | - | D16 | 11 | 10.45 | 11.55 | 5.0 | 20 | 150 | 1.0 | 0.1 | 8.5 | | |
| TZT12AW | - | D17 | 12 | 11.40 | 12.60 | 5.0 | 20 | 150 | 1.0 | 0.1 | 9.0 | | |
| TZT13AW | - | D18 | 13 | 12.35 | 13.65 | 5.0 | 25 | 170 | 1.0 | 0.1 | 10.0 | | |
| TZT14AW | - | DK | 14 | 13.30 | 14.70 | 5.0 | 25 | 170 | 1.0 | 0.1 | 10.5 | | |
| TZT15AW | - | D19 | 15 | 14.25 | 15.75 | 5.0 | 30 | 200 | 1.0 | 0.1 | 11.0 | | |
| TZT16AW | - | D20 | 16 | 15.20 | 16.80 | 5.0 | 40 | 200 | 1.0 | 0.1 | 12.0 | | |
| TZT17AW | - | DL | 17 | 16.15 | 17.85 | 5.0 | 40 | 200 | 1.0 | 0.1 | 13.0 | | |
| TZT18AW | - | D21 | 18 | 17.10 | 18.90 | 5.0 | 50 | 225 | 1.0 | 0.1 | 14.0 | | |
| TZT20AW | - | D22 | 20 | 19.00 | 21.00 | 5.0 | 50 | 225 | 1.0 | 0.1 | 15.0 | | |
| TZT22AW | - | D23 | 22 | 20.90 | 23.10 | 5.0 | 55 | 250 | 1.0 | 0.1 | 17.0 | | |
| TZT24AW | - | D24 | 24 | 22.80 | 25.20 | 5.0 | 80 | 250 | 1.0 | 0.1 | 18.0 | | |
| TZT27AW | - | D25 | 27 | 25.65 | 28.35 | 5.0 | 80 | 300 | 1.0 | 0.1 | 20.0 | | |
| TZT28AW | - | DM | 28 | 26.60 | 29.40 | 5.0 | 80 | 300 | 1.0 | 0.1 | 22.0 | | |
| TZT30AW | - | D26 | 30 | 28.50 | 31.50 | 5.0 | 80 | 300 | 1.0 | 0.1 | 22.5 | | |
| TZT33AW | - | D27 | 33 | 31.35 | 34.65 | 5.0 | 80 | 325 | 1.0 | 0.1 | 25.0 | | |
| TZT36AW | - | D28 | 36 | 34.20 | 37.80 | 5.0 | 90 | 350 | 1.0 | 0.1 | 27.0 | | |
| TZT39AW | - | D29 | 39 | 37.05 | 40.95 | 5.0 | 90 | 350 | 1.0 | 0.1 | 29.0 | | |
| TZT43AW | - | D30 | 43 | 40.85 | 45.15 | 5.0 | 100 | 375 | 1.0 | 0.1 | 32.0 | | |
| TZT47AW | - | D31 | 47 | 44.65 | 49.35 | 5.0 | 100 | 375 | 1.0 | 0.1 | 35.0 | | |
| TZT51AW | - | D32 | 51 | 48.45 | 53.55 | 5.0 | 100 | 400 | 1.0 | 0.1 | 38.0 | | |

# SMD Zener Diodes (Three Terminals) - 300mW

**SMD Zener**

| 300mW | Cross Reference | Marking Code | Norminal Zener Voltage @ $I_{ZT}$ | | | Test Current | Max. Zener Impedance ( Ω ) | | | Maximum Reverse Leakage Current $I_R$ @ $V_R$ | | Package | Outline (Typ. in Inches) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Nom. | Min. | Max. | | | | | | | | |
| Part No. | | | $V_Z$(V) | $V_Z$(V) | $V_Z$(V) | $I_{ZT}$(mA) | $Z_{ZT}$ @ $I_{ZT}$ | $Z_{ZK}$@ $I_{ZK}$ | $I_{ZK}$ (mA) | $I_R$(μA) | $V_R$(V) | 7" Reel | |
| TZT2V4CW | DZ23C2V4 | V0 | 2.4 | 2.28 | 2.52 | 5.0 | 85 | 600 | 1.0 | 100 | 1.0 | | |
| TZT2V7CW | DZ23C2V7 | V1 | 2.7 | 2.57 | 2.84 | 5.0 | 83 | 600 | 1.0 | 75 | 1.0 | | |
| TZT3V0CW | DZ23C3V0 | V2 | 3.0 | 2.85 | 3.15 | 5.0 | 95 | 600 | 1.0 | 50 | 1.0 | | |
| TZT3V3CW | DZ23C3V3 | V3 | 3.3 | 3.14 | 3.47 | 5.0 | 95 | 600 | 1.0 | 25 | 1.0 | | |
| TZT3V6CW | DZ23C3V6 | V4 | 3.6 | 3.42 | 3.78 | 5.0 | 90 | 600 | 1.0 | 5.0 | 1.0 | | |
| TZT3V9CW | DZ23C3V9 | V5 | 3.9 | 3.71 | 4.10 | 5.0 | 90 | 600 | 1.0 | 3.0 | 1.0 | | |
| TZT4V3CW | DZ23C4V3 | V6 | 4.3 | 4.09 | 4.52 | 5.0 | 95 | 600 | 1.0 | 5.0 | 1.0 | | |
| TZT4V7CW | DZ23C4V7 | V7 | 4.7 | 4.47 | 4.94 | 5.0 | 78 | 500 | 1.0 | 5.0 | 2.0 | | |
| TZT5V1CW | DZ23C5V1 | V8 | 5.1 | 4.85 | 5.36 | 5.0 | 60 | 480 | 1.0 | 0.1 | 0.8 | | |
| TZT5V6CW | DZ23C5V6 | V9 | 5.6 | 5.32 | 5.88 | 5.0 | 40 | 400 | 1.0 | 0.1 | 1.0 | | |
| TZT6V2CW | DZ23C6V2 | V10 | 6.2 | 5.89 | 6.51 | 5.0 | 10 | 150 | 1.0 | 0.1 | 2.0 | | |
| TZT6V8CW | DZ23C6V8 | V11 | 6.8 | 6.46 | 7.14 | 5.0 | 8 | 80 | 1.0 | 0.1 | 3.0 | | |
| TZT7V5CW | DZ23C7V5 | V12 | 7.5 | 7.13 | 7.88 | 5.0 | 7 | 80 | 1.0 | 0.1 | 5.0 | | |
| TZT8V2CW | DZ23C8V2 | V13 | 8.2 | 7.79 | 8.61 | 5.0 | 7 | 80 | 1.0 | 0.1 | 6.0 | | |
| TZT8V7CW | DZ23C8V7 | V87 | 8.7 | 8.27 | 9.14 | 5.0 | 7 | 80 | 1.0 | 0.1 | 6.5 | | |
| TZT9V1CW | DZ23C9V1 | V14 | 9.1 | 8.65 | 9.56 | 5.0 | 10 | 100 | 1.0 | 0.1 | 7.0 | | |
| TZT10CW | DZ23C10 | V15 | 10 | 9.50 | 10.50 | 5.0 | 15 | 150 | 1.0 | 0.1 | 7.5 | | |
| TZT11CW | DZ23C11 | V16 | 11 | 10.45 | 11.55 | 5.0 | 20 | 150 | 1.0 | 0.1 | 8.5 | | |
| TZT12CW | DZ23C12 | V17 | 12 | 11.40 | 12.60 | 5.0 | 20 | 150 | 1.0 | 0.1 | 9.0 | 3000 | |
| TZT13CW | DZ23C13 | V18 | 13 | 12.35 | 13.65 | 5.0 | 25 | 170 | 1.0 | 0.1 | 10.0 | | |
| TZT14CW | DZ23C14 | VA | 14 | 13.30 | 14.70 | 5.0 | 25 | 170 | 1.0 | 0.1 | 10.5 | | |
| TZT15CW | DZ23C15 | V19 | 15 | 14.25 | 15.75 | 5.0 | 30 | 200 | 1.0 | 0.1 | 11.0 | | |
| TZT16CW | DZ23C16 | V20 | 16 | 15.20 | 16.80 | 5.0 | 40 | 200 | 1.0 | 0.1 | 12.0 | | |
| TZT17CW | DZ23C17 | VB | 17 | 16.15 | 17.85 | 5.0 | 40 | 200 | 1.0 | 0.1 | 13.0 | | |
| TZT18CW | DZ23C18 | V21 | 18 | 17.10 | 18.90 | 5.0 | 50 | 225 | 1.0 | 0.1 | 14.0 | | |
| TZT20CW | DZ23C20 | V22 | 20 | 19.00 | 21.00 | 5.0 | 50 | 225 | 1.0 | 0.1 | 15.0 | | |
| TZT22CW | DZ23C22 | V23 | 22 | 20.90 | 23.10 | 5.0 | 55 | 250 | 1.0 | 0.1 | 17.0 | | |
| TZT24CW | DZ23C24 | V24 | 24 | 22.80 | 25.20 | 5.0 | 80 | 250 | 1.0 | 0.1 | 18.0 | | |
| TZT27CW | DZ23C27 | V25 | 27 | 25.65 | 28.35 | 5.0 | 80 | 300 | 1.0 | 0.1 | 20.0 | | |
| TZT28CW | DZ23C28 | VC | 28 | 26.60 | 29.40 | 5.0 | 80 | 300 | 1.0 | 0.1 | 22.0 | | |
| TZT30CW | DZ23C30 | V26 | 30 | 28.50 | 31.50 | 5.0 | 80 | 300 | 1.0 | 0.1 | 22.5 | | |
| TZT33CW | DZ23C33 | V27 | 33 | 31.35 | 34.65 | 5.0 | 80 | 325 | 1.0 | 0.1 | 25.0 | | |
| TZT36CW | DZ23C36 | V28 | 36 | 34.20 | 37.80 | 5.0 | 90 | 350 | 1.0 | 0.1 | 27.0 | | |
| TZT39CW | DZ23C39 | V29 | 39 | 37.05 | 40.95 | 5.0 | 90 | 350 | 1.0 | 0.1 | 29.0 | | |
| TZT43CW | DZ23C43 | V30 | 43 | 40.85 | 45.15 | 5.0 | 100 | 375 | 1.0 | 0.1 | 32.0 | | |
| TZT47CW | DZ23C47 | V31 | 47 | 44.65 | 49.35 | 5.0 | 100 | 375 | 1.0 | 0.1 | 35.0 | | |
| TZT51CW | DZ23C51 | V32 | 51 | 48.45 | 53.55 | 5.0 | 100 | 400 | 1.0 | 0.1 | 38.0 | | |

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# SMD Zener Diodes (Three Terminals) - 300mW



| 300mW | Cross Reference | Marking Code | Norminal Zener Voltage @ $I_{ZT}$ | | | Test Current | Max. Zener Impedance ( Ω ) | | | Maximum Reverse Leakage Current $I_R$ @ $V_R$ | | Package | Outline (Typ. in Inches) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Nom. | Min. | Max. | | | | | | | | |
| Part No. | | | $V_Z$(V) | $V_Z$(V) | $V_Z$(V) | $I_{ZT}$(mA) | $Z_{ZT}$ @ $I_{ZT}$ | $Z_{ZK}$@ $I_{ZK}$ | $I_{ZK}$ (mA) | $I_R$(μA) | $V_R$(V) | 7" Reel | |
| BZX84C2V4 | - | Z11/W1 | 2.4 | 2.2 | 2.6 | 5.0 | 100 | 600 | 1.0 | 50.00 | 1.0 | | |
| BZX84C2V7 | - | Z12/W2 | 2.7 | 2.5 | 2.9 | 5.0 | 100 | 600 | 1.0 | 20.00 | 1.0 | | |
| BZX84C3V0 | - | Z13/W3 | 3.0 | 2.8 | 3.2 | 5.0 | 95 | 600 | 1.0 | 10.00 | 1.0 | | |
| BZX84C3V3 | - | Z14/W4 | 3.3 | 3.1 | 3.5 | 5.0 | 95 | 600 | 1.0 | 5.00 | 1.0 | | |
| BZX84C3V6 | - | Z15/W5 | 3.6 | 3.4 | 3.8 | 5.0 | 90 | 600 | 1.0 | 5.00 | 1.0 | | |
| BZX84C3V9 | - | Z16/W6 | 3.9 | 3.7 | 4.1 | 5.0 | 90 | 600 | 1.0 | 3.00 | 1.0 | | |
| BZX84C4V3 | - | Z17/W7 | 4.3 | 4.0 | 4.6 | 5.0 | 90 | 600 | 1.0 | 3.00 | 1.0 | | |
| BZX84C4V7 | - | Z1/W8 | 4.7 | 4.4 | 5.0 | 5.0 | 80 | 500 | 1.0 | 3.00 | 2.0 | | |
| BZX84C5V1 | - | Z2/W9 | 5.1 | 4.8 | 5.4 | 5.0 | 60 | 480 | 1.0 | 2.00 | 2.0 | | |
| BZX84C5V6 | - | Z3/WA | 5.6 | 5.2 | 6.0 | 5.0 | 40 | 400 | 1.0 | 1.00 | 2.0 | | |
| BZX84C6V2 | - | Z4/WB | 6.2 | 5.8 | 6.6 | 5.0 | 10 | 150 | 1.0 | 3.00 | 4.0 | | |
| BZX84C6V8 | - | Z5/WC | 6.8 | 6.4 | 7.2 | 5.0 | 15 | 80 | 1.0 | 2.00 | 4.0 | | |
| BZX84C7V5 | - | Z6/WD | 7.5 | 7.0 | 7.9 | 5.0 | 15 | 80 | 1.0 | 1.00 | 5.0 | | |
| BZX84C8V2 | - | Z7/WE | 8.2 | 7.7 | 8.7 | 5.0 | 15 | 80 | 1.0 | 0.70 | 5.0 | | |
| BZX84C9V1 | - | Z8/WF | 9.1 | 8.5 | 9.6 | 5.0 | 15 | 100 | 1.0 | 0.50 | 6.0 | | |
| BZX84C10 | - | Z9/WG | 10 | 9.4 | 10.6 | 5.0 | 20 | 150 | 1.0 | 0.20 | 7.0 | | |
| BZX84C11 | - | Y1/WH | 11 | 10.4 | 11.6 | 5.0 | 20 | 150 | 1.0 | 0.10 | 8.0 | | |
| BZX84C12 | - | Y2/WI | 12 | 11.4 | 12.7 | 5.0 | 25 | 150 | 1.0 | 0.10 | 8.0 | | |
| BZX84C13 | - | Y3/WK | 13 | 12.4 | 14.1 | 5.0 | 30 | 170 | 1.0 | 0.10 | 8.0 | 3000 | |
| BZX84C15 | - | Y4/WL | 15 | 13.8 | 15.6 | 5.0 | 30 | 200 | 1.0 | 0.05 | 10.5 | | |
| BZX84C16 | - | Y5/WM | 16 | 15.3 | 17.1 | 5.0 | 40 | 200 | 1.0 | 0.05 | 11.2 | | |
| BZX84C18 | - | Y6/WN | 18 | 16.8 | 19.1 | 5.0 | 45 | 225 | 1.0 | 0.05 | 12.6 | | |
| BZX84C20 | - | Y7/WO | 20 | 18.8 | 21.2 | 5.0 | 55 | 225 | 1.0 | 0.05 | 14.0 | | |
| BZX84C22 | - | Y8/WP | 22 | 20.8 | 23.3 | 5.0 | 55 | 250 | 1.0 | 0.05 | 15.4 | | |
| BZX84C24 | - | Y9/WR | 24 | 22.8 | 25.6 | 5.0 | 70 | 250 | 1.0 | 0.05 | 16.8 | | |
| BZX84C27 | - | Y10 | 27 | 25.1 | 28.9 | 2.0 | 80 | 300 | 0.5 | 0.05 | 18.9 | | |
| BZX84C30 | - | Y11 | 30 | 28.0 | 32.0 | 2.0 | 80 | 300 | 0.5 | 0.05 | 21.0 | | |
| BZX84C33 | - | Y12 | 33 | 31.0 | 35.0 | 2.0 | 80 | 325 | 0.5 | 0.05 | 23.1 | | |
| BZX84C36 | - | Y13 | 36 | 34.0 | 38.0 | 2.0 | 90 | 350 | 0.5 | 0.05 | 25.2 | | |
| BZX84C39 | - | Y14 | 39 | 37.0 | 41.0 | 2.0 | 130 | 350 | 0.5 | 0.05 | 27.3 | | |
| BZX84C43 | - | Y15 | 43 | 40.0 | 46.0 | 2.0 | 150 | 375 | 0.5 | 0.05 | 30.1 | | |
| BZX84C47 | - | Y16 | 47 | 44.0 | 50.0 | 2.0 | 170 | 375 | 0.5 | 0.05 | 32.9 | | |
| BZX84C51 | - | Y17 | 51 | 48.0 | 54.0 | 2.0 | 180 | 400 | 0.5 | 0.05 | 35.7 | | |
| BZX84C56 | - | Y18 | 56 | 52.0 | 60.0 | 2.0 | 200 | 425 | 0.5 | 0.05 | 39.2 | | |
| BZX84C62 | - | Y19 | 62 | 58.0 | 66.0 | 2.0 | 215 | 450 | 0.5 | 0.05 | 43.4 | | |
| BZX84C68 | - | Y20 | 68 | 64.0 | 72.0 | 2.0 | 240 | 475 | 0.5 | 0.05 | 47.6 | | |
| BZX84C75 | - | Y21 | 75 | 70.0 | 79.0 | 2.0 | 255 | 500 | 0.5 | 0.05 | 52.5 | | |

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