# 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 | |
| TZT3V9AW | AZ23C3V9 | D3.9 | 3.9 | 3.7 | 4.1 | 5.0 | 90 | 600 | 5.0 | 3.00 | 1.0 | | |
| TZT4V3AW | AZ23C4V3 | D4.3 | 4.3 | 4.0 | 4.6 | 5.0 | 90 | 600 | 5.0 | 3.00 | 1.0 | | |
| TZT4V7AW | AZ23C4V7 | D4.7 | 4.7 | 4.4 | 5.0 | 5.0 | 80 | 500 | 5.0 | 3.00 | 2.0 | | |
| TZT5V1AW | AZ23C5V1 | D5.1 | 5.1 | 4.8 | 5.4 | 5.0 | 60 | 480 | 5.0 | 2.00 | 2.0 | | |
| TZT5V6AW | AZ23C5V6 | D5.6 | 5.6 | 5.2 | 6.0 | 5.0 | 40 | 400 | 5.0 | 1.00 | 2.0 | | |
| TZT6V2AW | AZ23C6V2 | D6.2 | 6.2 | 5.8 | 6.6 | 5.0 | 10 | 150 | 5.0 | 3.00 | 4.0 | | |
| TZT6V8AW | AZ23C6V8 | D6.8 | 6.8 | 6.4 | 7.2 | 5.0 | 15 | 80 | 5.0 | 2.00 | 4.0 | | |
| TZT7V5AW | AZ23C7V5 | D7.5 | 7.5 | 7.0 | 7.9 | 5.0 | 15 | 80 | 5.0 | 1.00 | 5.0 | | |
| TZT8V2AW | AZ23C8V2 | D8.2 | 8.2 | 7.7 | 8.7 | 5.0 | 15 | 80 | 5.0 | 0.70 | 5.0 | | |
| TZT9V1AW | AZ23C9V1 | D9.1 | 9.1 | 8.5 | 9.6 | 5.0 | 15 | 100 | 5.0 | 0.50 | 6.0 | | |
| TZT10AW | AZ23C10 | D10 | 10 | 9.4 | 10.6 | 5.0 | 20 | 150 | 5.0 | 0.20 | 7.0 | | |
| TZT11AW | AZ23C11 | D11 | 11 | 10.4 | 11.6 | 5.0 | 20 | 150 | 1.0 | 0.10 | 8.0 | | |
| TZT12AW | AZ23C12 | D12 | 12 | 11.4 | 12.7 | 5.0 | 25 | 150 | 1.0 | 0.10 | 8.0 | | |
| TZT13AW | AZ23C13 | D13 | 13 | 12.4 | 14.1 | 5.0 | 30 | 170 | 1.0 | 0.10 | 8.0 | 3000 | |
| TZT15AW | AZ23C15 | D15 | 15 | 13.8 | 15.6 | 5.0 | 30 | 200 | 1.0 | 0.05 | 10.5 | | |
| TZT16AW | AZ23C16 | D16 | 16 | 15.3 | 17.1 | 5.0 | 40 | 200 | 1.0 | 0.05 | 11.2 | | |
| TZT18AW | AZ23C18 | D18 | 18 | 16.8 | 19.1 | 5.0 | 45 | 225 | 1.0 | 0.05 | 12.6 | | |
| TZT20AW | AZ23C20 | D20 | 20 | 18.8 | 21.2 | 5.0 | 55 | 225 | 1.0 | 0.05 | 14.0 | | |
| TZT22AW | AZ23C22 | D22 | 22 | 20.8 | 23.3 | 5.0 | 55 | 250 | 1.0 | 0.05 | 15.4 | | |
| TZT24AW | AZ23C24 | D24 | 24 | 22.8 | 25.6 | 5.0 | 70 | 250 | 1.0 | 0.05 | 16.8 | | |
| TZT27AW | AZ23C27 | D27 | 27 | 25.1 | 28.9 | 2.0 | 80 | 300 | 0.5 | 0.05 | 18.9 | | |
| TZT30AW | AZ23C30 | D30 | 30 | 28.0 | 32.0 | 2.0 | 80 | 300 | 0.5 | 0.05 | 21.0 | | |
| TZT33AW | AZ23C33 | D33 | 33 | 31.0 | 35.0 | 2.0 | 80 | 325 | 0.5 | 0.05 | 23.1 | | |
| TZT36AW | AZ23C36 | D36 | 36 | 34.0 | 38.0 | 2.0 | 90 | 350 | 0.5 | 0.05 | 25.2 | | |
| TZT39AW | AZ23C39 | D39 | 39 | 37.0 | 41.0 | 2.0 | 130 | 350 | 0.5 | 0.05 | 27.3 | | |
| TZT43AW | AZ23C43 | D43 | 43 | 40.0 | 46.0 | 2.0 | 150 | 375 | 0.5 | 0.05 | 30.1 | | |
| TZT47AW | AZ23C47 | D47 | 47 | 44.0 | 50.0 | 2.0 | 170 | 375 | 0.5 | 0.05 | 32.9 | | |
| TZT3V3CW | DZ23C3V3 | ZF | 3.3 | 3.1 | 3.5 | 5.0 | 95 | 600 | 1.0 | 5.00 | 1.0 | | |
| TZT3V6CW | DZ23C3V6 | ZG | 3.6 | 3.4 | 3.8 | 5.0 | 90 | 600 | 1.0 | 5.00 | 1.0 | | |
| TZT3V9CW | DZ23C3V9 | ZH | 3.9 | 3.7 | 4.1 | 5.0 | 90 | 600 | 1.0 | 3.00 | 1.0 | | |
| TZT4V3CW | DZ23C4V3 | ZJ | 4.3 | 4.0 | 4.6 | 5.0 | 90 | 600 | 1.0 | 3.00 | 1.0 | | |
| TZT4V7CW | DZ23C4V7 | ZK | 4.7 | 4.4 | 5.0 | 5.0 | 80 | 500 | 1.0 | 3.00 | 2.0 | | |
| TZT5V1CW | DZ23C5V1 | ZL | 5.1 | 4.8 | 5.4 | 5.0 | 60 | 480 | 1.0 | 2.00 | 2.0 | | |
| TZT5V6CW | DZ23C5V6 | ZM | 5.6 | 5.2 | 6.0 | 5.0 | 40 | 400 | 1.0 | 1.00 | 2.0 | | |
| TZT6V2CW | DZ23C6V2 | ZN | 6.2 | 5.8 | 6.6 | 5.0 | 10 | 150 | 1.0 | 3.00 | 4.0 | | |
| TZT6V8CW | DZ23C6V8 | ZP | 6.8 | 6.4 | 7.2 | 5.0 | 15 | 80 | 1.0 | 2.00 | 4.0 | 3000 | |
| TZT7V5CW | DZ23C7V5 | ZT | 7.5 | 7.0 | 7.9 | 5.0 | 15 | 80 | 1.0 | 1.00 | 5.0 | | |
| TZT8V2CW | DZ23C8V2 | ZV | 8.2 | 7.7 | 8.7 | 5.0 | 15 | 80 | 1.0 | 0.70 | 5.0 | | |
| TZT9V1CW | DZ23C9V1 | ZW | 9.1 | 8.5 | 9.6 | 5.0 | 15 | 100 | 1.0 | 0.50 | 6.0 | | |
| TZT10CW | DZ23C10 | ZX | 10 | 9.4 | 10.6 | 5.0 | 20 | 150 | 1.0 | 0.20 | 7.0 | | |
| TZT11CW | DZ23C11 | ZY | 11 | 10.4 | 11.6 | 5.0 | 20 | 150 | 1.0 | 0.10 | 8.0 | | |
| TZT12CW | DZ23C12 | ZZ | 12 | 11.4 | 12.7 | 5.0 | 25 | 150 | 1.0 | 0.10 | 8.0 | | |
| TZT13CW | DZ23C13 | YB | 13 | 12.4 | 14.1 | 5.0 | 30 | 170 | 1.0 | 0.10 | 8.0 | | |
| TZT15CW | DZ23C15 | YC | 15 | 13.8 | 15.6 | 5.0 | 30 | 200 | 1.0 | 0.05 | 10.5 | | |
| TZT16CW | DZ23C16 | YD | 16 | 15.3 | 17.1 | 5.0 | 40 | 200 | 1.0 | 0.05 | 11.2 | | |
| TZT18CW | DZ23C18 | YE | 18 | 16.8 | 19.1 | 5.0 | 45 | 225 | 1.0 | 0.05 | 12.6 | | |
| TZT20CW | DZ23C20 | YF | 20 | 18.8 | 21.2 | 5.0 | 55 | 225 | 1.0 | 0.05 | 14.0 | | |
| TZT22CW | DZ23C22 | YG | 22 | 20.8 | 23.3 | 5.0 | 55 | 250 | 1.0 | 0.05 | 15.4 | | |
| TZT24CW | DZ23C24 | YH | 24 | 22.8 | 25.6 | 5.0 | 70 | 250 | 1.0 | 0.05 | 16.8 | 3000 | |
| TZT27CW | DZ23C27 | YJ | 27 | 25.1 | 28.9 | 2.0 | 80 | 300 | 0.5 | 0.05 | 18.9 | | |
| TZT30CW | DZ23C30 | YK | 30 | 28.0 | 32.0 | 2.0 | 80 | 300 | 0.5 | 0.05 | 21.0 | | |
| TZT33CW | DZ23C33 | YL | 33 | 31.0 | 35.0 | 2.0 | 80 | 325 | 0.5 | 0.05 | 23.1 | | |
| TZT36CW | DZ23C36 | YM | 36 | 34.0 | 38.0 | 2.0 | 90 | 350 | 0.5 | 0.05 | 25.2 | | |
| TZT39CW | DZ23C39 | YN | 39 | 37.0 | 41.0 | 2.0 | 130 | 350 | 0.5 | 0.05 | 27.3 | | |







