

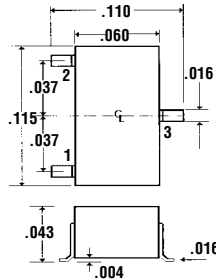
**2.4V to 20V SOT 23
ZENER DIODES (1/4 Watt)**

SOT Z Series

Description



Mechanical Dimensions

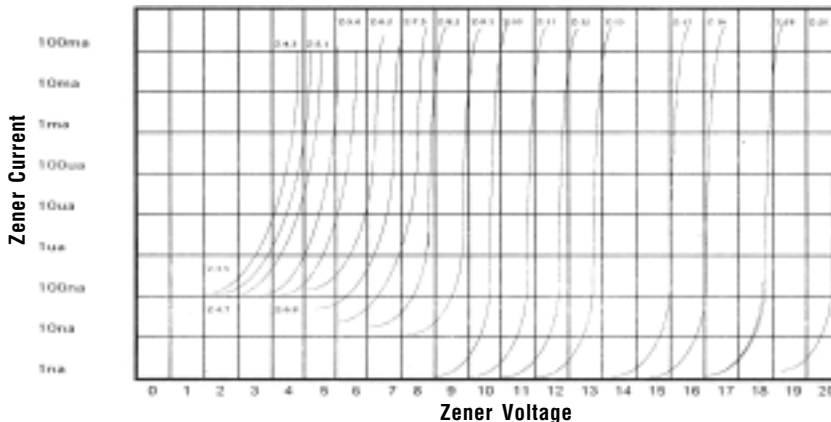


Features

- 200mW POWER DISSIPATION
- PLANAR PROCESS
- INDUSTRY STANDARD SOT 23 PACKAGE
- MEETS UL SPECIFICATION 94V-0

| Electrical Characteristics @ 25°C. | SOT Z Series | Units |
|------------------------------------|--------------|-------|
| Maximum Ratings | | |
| Peak Power Dissipation... P_D | 200 | mW |
| Junction Temperature | 150 | °C |
| Operating Temperature... T_J | -25 to 100 | °C |
| Storage Temperature... T_{STRG} | -55 to 150 | °C |

Electrical Characteristics @ 25°C



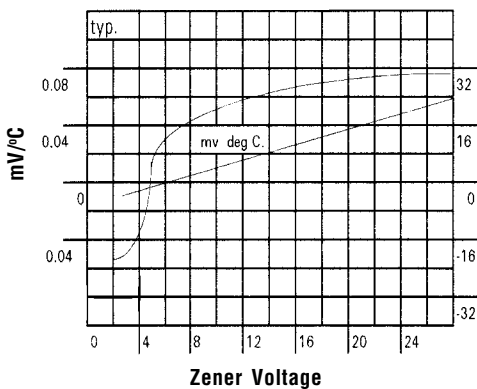


2.4V to 20V SOT 23 ZENER DIODES (1/4 Watt)

SOT Z Series

| Part No. | Zener Voltage | | I_z (ma) | Dynamic (Z_z) Impedance | | Reverse Current I_R (μ A) | |
|------------|---------------|------|------------|-----------------------------|------------|----------------------------------|-----------|
| | Min. | Max. | | Max. | I_z (mA) | Max. | V_R (V) |
| SOT-Z-2.0 | 1.9 | 2.2 | 5.00 | 100 ohms | 5.00 | 120 | .5 |
| SOT-Z-2.2 | 2.1 | 2.4 | 5.00 | 100 ohms | 5.00 | 120 | .7 |
| SOT-Z-2.4 | 2.3 | 2.6 | 5.00 | 100 ohms | 5.00 | 120 | 1.0 |
| SOT-Z-2.7 | 2.5 | 2.9 | 5.00 | 110 ohms | 5.00 | 120 | 1.0 |
| SOT-Z-3.0 | 2.8 | 3.2 | 5.00 | 120 ohms | 5.00 | 50 | 1.0 |
| SOT-Z-3.3 | 3.1 | 3.5 | 5.00 | 130 ohms | 5.00 | 20 | 1.0 |
| SOT-Z-3.6 | 3.4 | 3.8 | 5.00 | 130 ohms | 5.00 | 10 | 1.0 |
| SOT-Z-3.9 | 3.7 | 4.1 | 5.00 | 130 ohms | 5.00 | 10 | 1.0 |
| SOT-Z-4.3 | 4.1 | 4.5 | 5.00 | 130 ohms | 5.00 | 10 | 1.0 |
| SOT-Z-4.7 | 4.4 | 4.9 | 5.00 | 130 ohms | 5.00 | 10 | 1.0 |
| SOT-Z-5.1 | 4.8 | 5.4 | 5.00 | 130 ohms | 5.00 | 5.0 | 1.5 |
| SOT-Z-5.6 | 5.3 | 5.6 | 5.00 | 80 ohms | 5.00 | 5.0 | 2.5 |
| SOT-Z-6.2 | 5.9 | 6.6 | 5.00 | 50 ohms | 5.00 | 2.0 | 3.0 |
| SOT-Z-6.8 | 6.4 | 7.0 | 5.00 | 30 ohms | 5.00 | 2.0 | 3.5 |
| SOT-Z-7.5 | 7.1 | 7.9 | 5.00 | 30 ohms | 5.00 | 2.0 | 4.0 |
| SOT-Z-8.2 | 7.8 | 8.6 | 5.00 | 30 ohms | 5.00 | 2.0 | 5.0 |
| SOT-Z-9.1 | 8.6 | 9.6 | 5.00 | 30 ohms | 5.00 | 2.0 | 5.5 |
| SOT-Z-10.0 | 9.5 | 10.5 | 5.00 | 30 ohms | 5.00 | 2.0 | 6.0 |
| SOT-Z-11 | 10.4 | 11.5 | 5.00 | 30 ohms | 5.00 | 2.0 | 7.0 |
| SOT-Z-12 | 11.5 | 12.5 | 5.00 | 30 ohms | 5.00 | 2.0 | 8.0 |
| SOT-Z-13 | 12.5 | 13.5 | 5.00 | 30 ohms | 5.00 | 2.0 | 9.0 |
| SOT-Z-15 | 14.4 | 15.5 | 5.00 | 30 ohms | 5.00 | 2.0 | 11 |
| SOT-Z-16 | 15.4 | 16.6 | 5.00 | 30 ohms | 5.00 | 2.0 | 12 |
| SOT-Z-18 | 17.3 | 18.6 | 5.00 | 30 ohms | 5.00 | 2.0 | 13 |
| SOT-Z-20 | 19.2 | 20.7 | 5.00 | 30 ohms | 5.00 | 2.0 | 15 |

Temp. Coefficients vs. Voltage



Power Ratings

