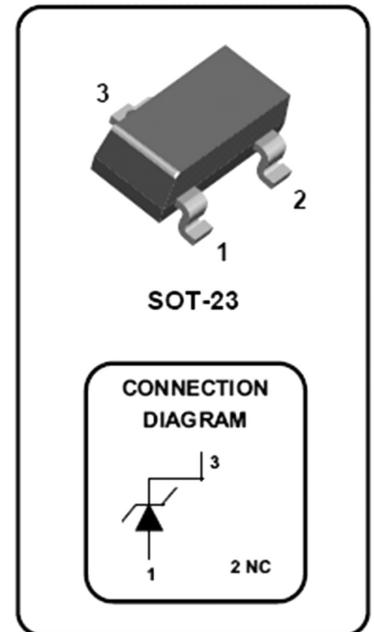
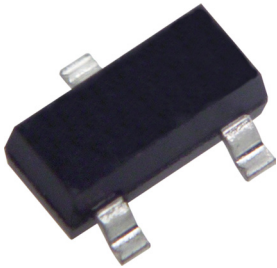


Surface Mount Zener Diode

multicomp PRO



Features:

- Planar Die Construction
- 350mW Power Dissipation
- General Purpose, Medium Current
- Ideally Suited for Automated Assembly Processes

Application:

350mW Surface mount zener diode

Maximum Rating @ TA = 25°C unless otherwise specified

| Characteristic | Symbol | Value | Unit |
|---|-----------------|-------------|------|
| Forward voltage @ $I_F = 10\text{mA}$ | V_F | 0.9 | V |
| Power dissipation | P_d | 350 | mW |
| Thermal resistance, junction to ambient air | $R_{\theta jA}$ | 357 | °C/W |
| Operating and storage temperature range | T_j, T_{stg} | -65 to +150 | °C |

Note : Valid provided that device terminals are kept at ambient temperature.
Tested with pulses, $T_p \leq 1\text{ms}$.

Electrical Characteristics @ TA = 25°C unless otherwise specified

| Type Number | Marking Code | Zener Voltage Range | | | | Maximum Zener Impedance | | Maximum Reverse Leakage Current | |
|-------------|--------------|---------------------|--------|--------|----------|-------------------------|-----------------------------------|---------------------------------|---------|
| | | $V_z @ I_{ZT}$ | | | I_{ZT} | $Z_{ZT} @ I_{ZT}$ | $Z_{ZK} @ I_{ZK} = 0.25\text{mA}$ | I_R | @ V_R |
| | | Nom(V) | Min(V) | Max(V) | (mA) | (Ω) | | (μA) | (V) |
| MMBZ5226B | KG1 | 3.3 | 3.14 | 3.47 | 20 | 28 | 1,600 | 25 | 1 |

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

multicomp PRO

Surface Mount Zener Diode

Typical Characteristics @ $T_A = 25^\circ\text{C}$ unless otherwise specified

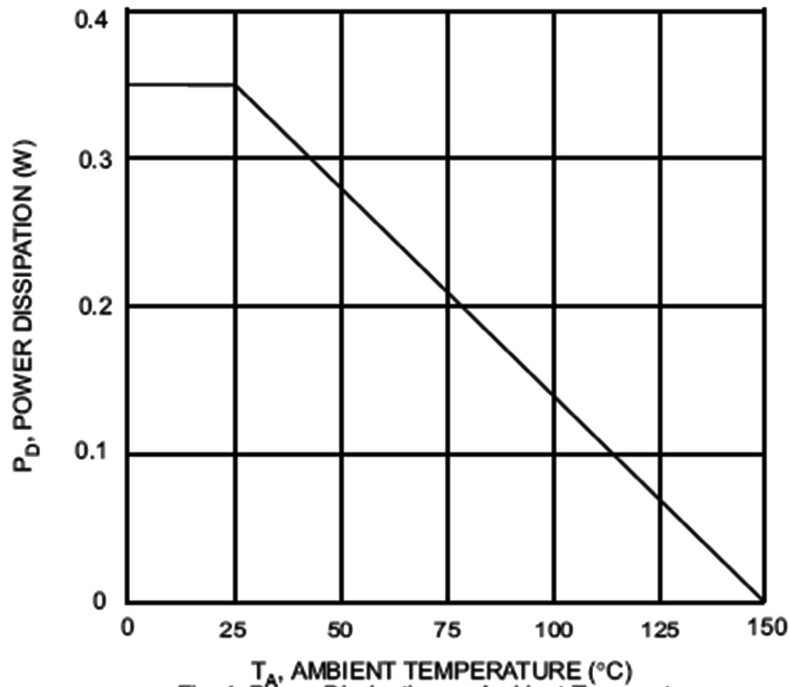
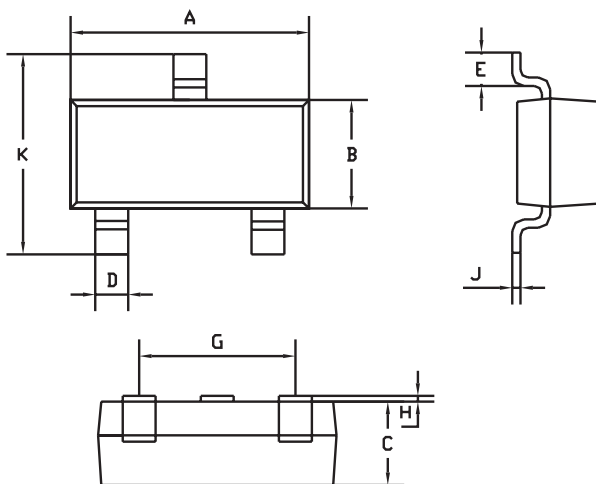


Fig. 1 Power Dissipation vs Ambient Temperature

Package Outline

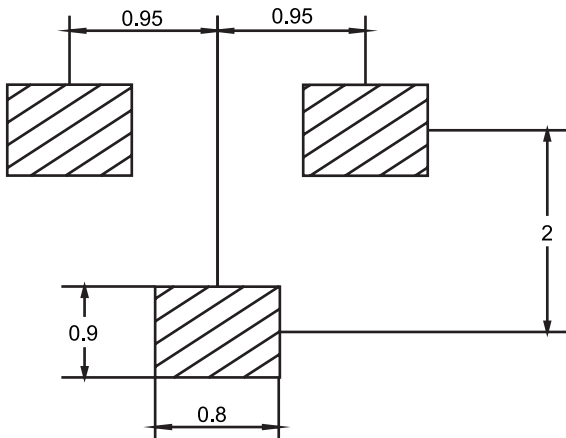
Plastic surface mounted package



| SOT-23 | | |
|----------------------|-------------|------|
| Dim | Min | Max |
| A | 2.85 | 2.95 |
| B | 1.25 | 1.35 |
| C | 1 Typical | |
| D | 0.37 | 0.43 |
| E | 0.35 | 0.48 |
| G | 1.85 | 1.95 |
| H | 0.02 | 0.1 |
| J | 0.1 Typical | |
| K | 2.35 | 2.45 |
| All Dimensions in mm | | |

Surface Mount Zener Diode

Soldering Footprint



Dimensions : Millimetres

Package Information

| Device | Package | Shipping |
|---------------|---------|-------------------|
| MMBZ5226B-7-F | SOT-23 | 3,000/Tape & Reel |

Part Number Table

| Description | Part Number |
|---------------------------------|---------------|
| 350mW Surface Mount Zener Diode | MMBZ5226B-7-F |

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