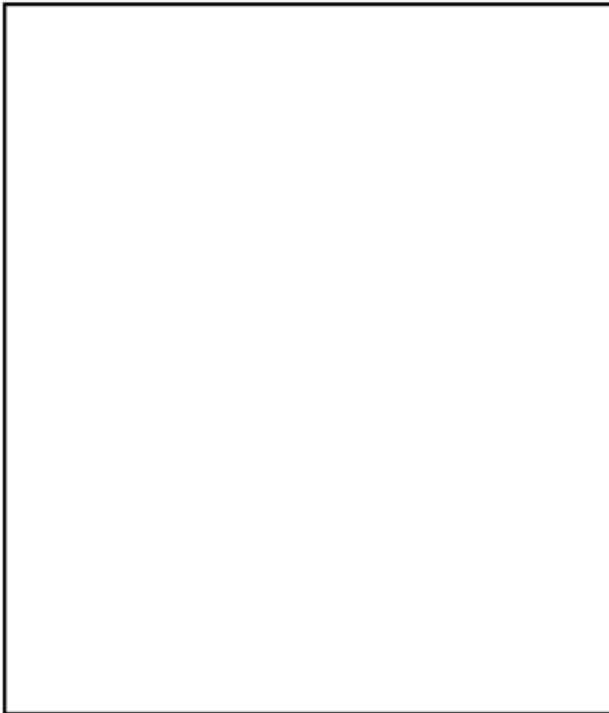


Zener Diodes, 40 Watt Peak Power Dual Common Cathode Zeners



Features

- SOT-23 Package Allows Either Two Separate Unidirectional Configurations or a Single Bidirectional Configuration
- Peak Power-40W@1.0ms(Unidirectional)
- Transient protection for each line according to IEC61000-4-2(ESD): $\pm 30\text{kV}$ contact, $\pm 30\text{kV}$ air
- ESD Rating: Class 3B(16KV)per the HBM
- Maximum Clamping Voltage@Peak Pulse Current
- RoHS Compliant
- Part no. with suffix "Q" means AEC-Q101 qualified

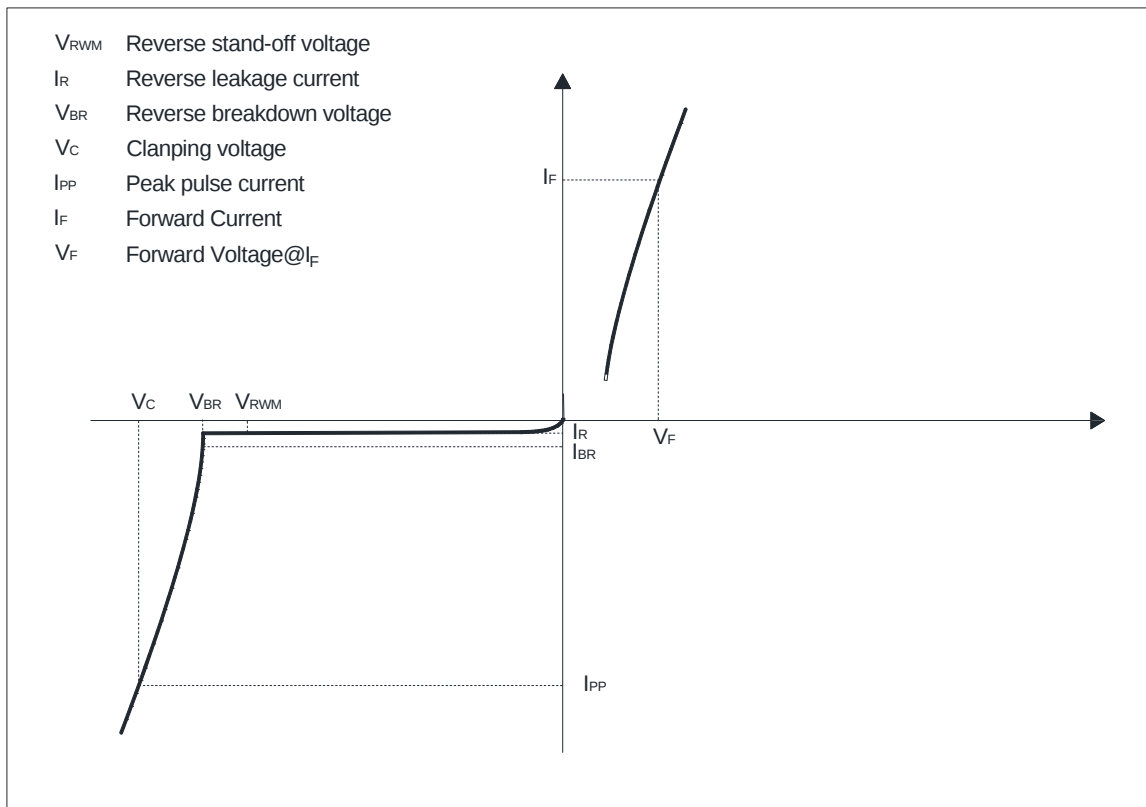
Applications

- Test Equipment/Instrumentation
- Notebooks / Desktops / Servers
- Computer Peripherals
- Automotive applications

Mechanical Data

- Package: SOT-23
- Lead Finish: Matte Tin
- Case Material: "Green" Molding Compound
- Moisture Sensitivity: Level 1 per J-STD-020

■ Definitions of electrical characteristics





■ Characteristics (Typical)

Fig.1: P_D - T_A

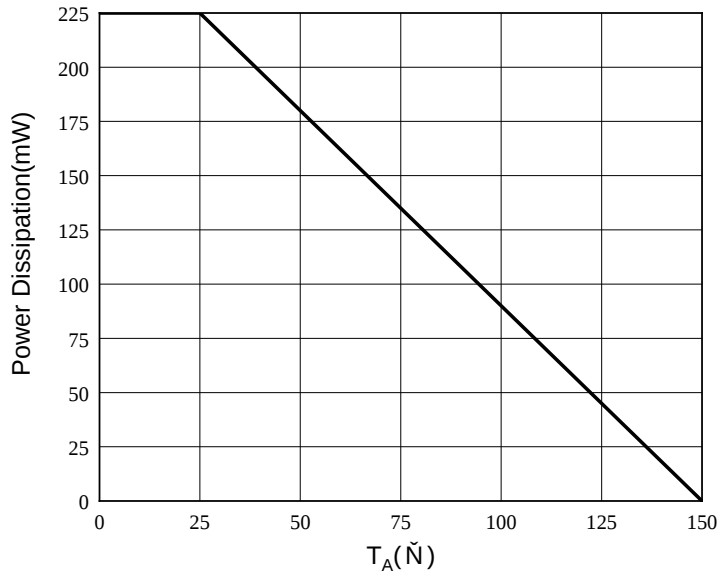


Fig.4 Pulse Waveform

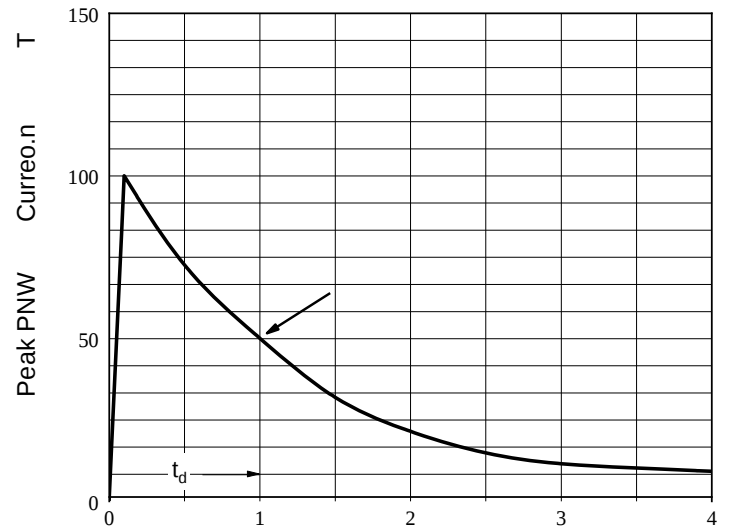
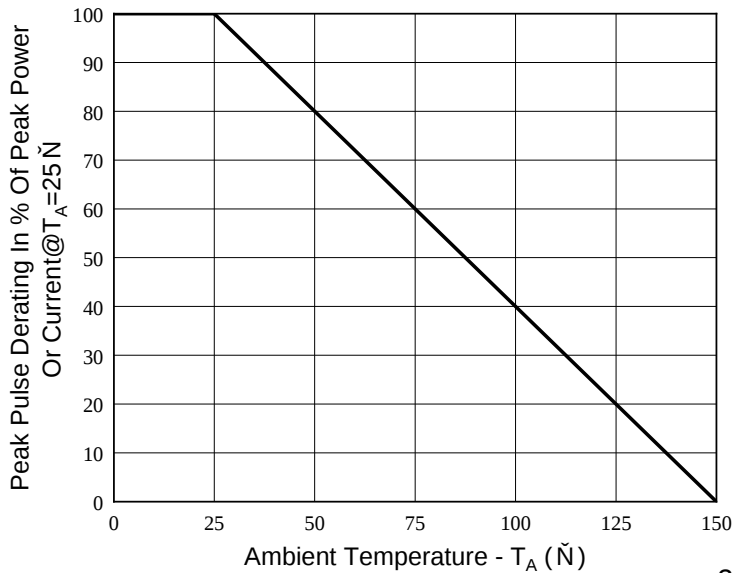


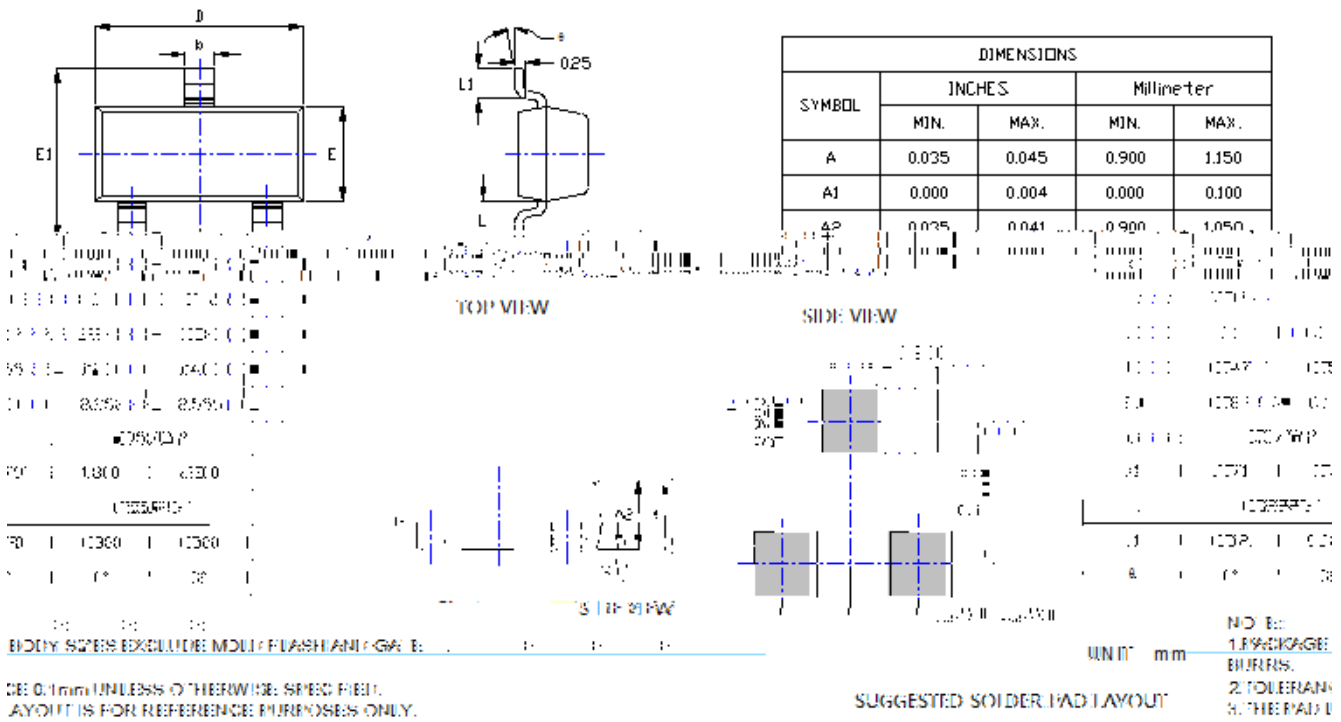
Fig.5: Power Derating Curve





MMBZ27VCQ

■ Outline Dimensions



MMBZ27VCQ
