

## Product Overview

### MMBZ27VAW: Zener Protection, 40 Watt Peak Power

For complete documentation, see the data sheet.

The Dual Common Anode Zener Diode Transient Voltage Suppressor is designed for applications requiring transient overvoltage protection capability. It is intended for use in voltage and ESD sensitive equipment such as computers, printers, business machines, communication systems, medical equipment and other applications. The dual junction common anode design protects two separate lines using only one package. This device is ideal for situations where board space is at a premium.

### Features

- SC70 Package Allows Either Two Separate Unidirectional Configurations or a Single Bidirectional Configuration
- Standard Zener Breakdown Voltage Range 27 V
- Peak Power 40 W @ 1.0 ms (Unidirectional)
- ESD Rating Class 3B (>16 kV) per the Human Body Model
- ESD Rating Class C (>400 V) per the Machine Model
- Low Leakage < 5.0 uA
- Flammability Rating UL 94 V0
- This is a PbFree Device
- AEC-Q101 Qualified and PPAP Capable
- SZ Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements

For more features, see the data sheet

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	V <sub>Z</sub> Typ (V)	P Max (W)	Package Type
MMBZ20VAWT1G	0.0307	Pb-free Halide free	Active	20	0.2	SC-70-3 / SOT-323-3
MMBZ27VAWT1G	0.0307	Pb-free Halide free	Active	27	0.2	SC-70-3 / SOT-323-3
MMBZ33VAWT1G	0.0965	Pb-free Halide free	Active	33	0.2	SC-70-3 / SOT-323-3
SZMMBZ15VAWT1G	0.0865	AEC Qualified PPAP Capable Pb-free Halide free	Active	15	0.2	SC-70-3 / SOT-323-3
SZMMBZ20VAWT1G	0.0409	AEC Qualified PPAP Capable Pb-free Halide free	Active	20	0.2	SC-70-3 / SOT-323-3
SZMMBZ27VAWT1G	0.0865	AEC Qualified PPAP Capable Pb-free Halide free	Active	27	0.2	SC-70-3 / SOT-323-3
SZMMBZ33VAWT1G	0.0405	AEC Qualified PPAP Capable Pb-free Halide free	Active	33	0.2	SC-70-3 / SOT-323-3

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Created on: 8/3/2020