

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	Compliance	Status	V _Z Typ (V)	P Max (W)	Package Type
MMBZ20VAWT1G	Pb-free	Active	20	0.2	SC-70-3 / SOT-323-3
	Halide free				
MMBZ27VAWT1G	Pb-free	Active	27	0.2	SC-70-3 / SOT-323-3
	Halide free				
MMBZ33VAWT1G	Pb-free	Active	33	0.2	SC-70-3 / SOT-323-3
	Halide free				
SZMMBZ15VAWT1G	AEC Qualified	Active	15	0.2	SC-70-3 / SOT-323-3
	PPAP Capable				
	Pb-free				
	Halide free				
SZMMBZ20VAWT1G	AEC Qualified	Active	20	0.2	SC-70-3 / SOT-323-3
	PPAP Capable				
	Pb-free				
	Halide free				
SZMMBZ27VAWT1G	AEC Qualified	Active	27	0.2	SC-70-3 / SOT-323-3
	PPAP Capable				
	Pb-free				
	Halide free				
SZMMBZ33VAWT1G	AEC Qualified	Active	33	0.2	SC-70-3 / SOT-323-3
	PPAP Capable				
	Pb-free				
	Halide free				

For more information please contact your local sales support at www.onsemi.com.

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