

Product Overview

MM3Z S-SERIES: Tight Tolerance Zener Diode Tight Tolerance SOD-323

For complete documentation, see the data sheet.

This Zener Diode Voltage Regulator is packaged in a SOD323 surface mount package, which has a power dissipation of 300 milliwatts. It is designed to provide voltage regulation protection and is especially attractive in situations where space is at a premium. It is well suited for applications such as cellular phones, hand held portables and high density PC boards

Features

- Standard Zener Breakdown Voltage Range - 2.4 V to 75 V
- Steady State Power Rating of 300 mW
- ESD Rating of Class 3 (>16 KV) per Human Body Model Mechanical Characteristics:
- Tight Tolerance
- MAXIMUM CASE TEMPERATURE FOR SOLDERING PURPOSES: 260°C for 10 Seconds
- FLAMMABILITY RATING: UL94 V-0
- These Devices are PbFree, Halogen Free/BFR Free and are RoHS Compliant
- AEC-Q101 Qualified and PPAP Capable
- SZ Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements

Applications

- Tight tolerance Zener voltage regulation

Benefits

- Wide Range of Zener Breakdown Voltages

End Products

- General Usage Device: Suitable for many different end products

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	V _Z Typ (V)	P Max (W)	Package Type
MM3Z10VST1G	0.0187	Pb-free	Active	10	0.3	SOD-323
		Halide free				
MM3Z11VST1G	0.0217	Pb-free	Active	11	0.3	SOD-323
		Halide free				
MM3Z12VST1G	0.0187	Pb-free	Active	12	0.3	SOD-323
		Halide free				
MM3Z13VST1G	0.0228	Pb-free	Active	13	0.3	SOD-323
		Halide free				
MM3Z15VST1G	0.0187	Pb-free	Active	15	0.3	SOD-323
		Halide free				
MM3Z16VST1G	0.0187	Pb-free	Active	16	0.3	SOD-323
		Halide free				
MM3Z18VST1G	0.0187	Pb-free	Active	18	0.3	SOD-323
		Halide free				
MM3Z20VST1G	0.0217	Pb-free	Active	19.6	0.3	SOD-323
		Halide free		20		
MM3Z22VST1G	0.0187	Pb-free	Active	22	0.3	SOD-323
		Halide free				
MM3Z24VST1G	0.0187	Pb-free	Active	24	0.3	SOD-323
		Halide free				
MM3Z27VST1G	0.0187	Pb-free	Active	27	0.3	SOD-323
		Halide free				
MM3Z2V4ST1G	0.0217	Pb-free	Active	2.4	0.3	SOD-323
		Halide free				
MM3Z2V7ST1G	0.0217	Pb-free	Active	2.7	0.3	SOD-323
		Halide free				
MM3Z30VST1G	0.0228	Pb-free	Active	30	0.3	SOD-323
		Halide free				
MM3Z33VST1G	0.0187	Pb-free	Active	33	0.3	SOD-323
		Halide free				
MM3Z36VST1G	0.0217	Pb-free	Active	36	0.3	SOD-323
		Halide free				
MM3Z3V0ST1G	0.0128	Pb-free	Active	3	0.3	SOD-323
		Halide free				
MM3Z3V3ST1G	0.0187	Pb-free	Active	3.3	0.3	SOD-323
		Halide free				
MM3Z3V9ST1G	0.0187	Pb-free	Active	3.9	0.3	SOD-323
		Halide free				
MM3Z4V3ST1G	0.0187	Pb-free	Active	4.3	0.3	SOD-323
		Halide free				
MM3Z4V7ST1G	0.0187	Pb-free	Active	4.7	0.3	SOD-323
		Halide free				

MM3Z5V1ST1G	0.0187	Pb-free Halide free	Active	5.1	0.3	SOD-323
MM3Z5V6ST1G	0.0187	Pb-free Halide free	Active	5.6	0.3	SOD-323
MM3Z6V2ST1G	0.0187	Pb-free Halide free	Active	6.2	0.3	SOD-323
MM3Z6V8ST1G	0.0187	Pb-free Halide free	Active	6.8	0.3	SOD-323
MM3Z7V5ST1G	0.0187	Pb-free Halide free	Active	7.5	0.3	SOD-323
MM3Z8V2ST1G	0.0187	Pb-free Halide free	Active	8.2	0.3	SOD-323
MM3Z8V2ST3G	0.0187	Pb-free Halide free	Active	8.2	0.3	SOD-323
MM3Z9V1ST1G	0.0187	Pb-free Halide free	Active	9.1	0.3	SOD-323
SZMM3Z10VST1G	0.0484	AEC Qualified PPAP Capable Pb-free Halide free	Active	10	0.3	SOD-323
SZMM3Z12VST1G	0.0467	AEC Qualified PPAP Capable Pb-free Halide free	Active	12	0.3	SOD-323
SZMM3Z13VST1G	0.0484	AEC Qualified PPAP Capable Pb-free Halide free	Active	13	0.3	SOD-323
SZMM3Z16VST1G	0.0467	AEC Qualified PPAP Capable Pb-free Halide free	Active	16	0.3	SOD-323
SZMM3Z18VST1G	0.0467	AEC Qualified PPAP Capable Pb-free Halide free	Active	18	0.3	SOD-323
SZMM3Z22VST1G	0.0508	AEC Qualified PPAP Capable Pb-free Halide free	Active	22	0.3	SOD-323
SZMM3Z27VST1G	0.0484	AEC Qualified PPAP Capable Pb-free Halide free	Active	27	0.3	SOD-323

SZMM3Z36VST1G	0.0484	AEC Qualified PPAP Capable Pb-free Halide free	Active	36	0.3	SOD-323
SZMM3Z3V0ST1G	0.0467	AEC Qualified PPAP Capable Pb-free Halide free	Active	3	0.3	SOD-323
SZMM3Z3V3ST1G	0.0467	AEC Qualified PPAP Capable Pb-free Halide free	Active	3.3	0.3	SOD-323
SZMM3Z3V3ST3G	0.0467	AEC Qualified PPAP Capable Pb-free Halide free	Active	3.3	0.3	SOD-323
SZMM3Z3V9ST1G	0.0467	AEC Qualified PPAP Capable Pb-free Halide free	Active	3.9	0.3	SOD-323
SZMM3Z4V3ST1G	0.0484	AEC Qualified PPAP Capable Pb-free Halide free	Active	4.3	0.3	SOD-323
SZMM3Z4V7ST1G	0.0519	AEC Qualified PPAP Capable Pb-free Halide free	Active	4.7	0.3	SOD-323
SZMM3Z5V1ST1G	0.0467	AEC Qualified PPAP Capable Pb-free Halide free	Active	5.1	0.3	SOD-323
SZMM3Z5V6ST1G	0.0467	AEC Qualified PPAP Capable Pb-free Halide free	Active	5.6	0.3	SOD-323
SZMM3Z6V2ST1G	0.0336	AEC Qualified PPAP Capable Pb-free Halide free	Active	6.2	0.3	SOD-323
SZMM3Z6V8ST1G	0.0484	AEC Qualified PPAP Capable Pb-free Halide free	Active	6.8	0.3	SOD-323

SZMM3Z7V5ST1G	0.0519	AEC Qualified PPAP Capable Pb-free Halide free	Active	7.5	0.3	SOD-323
SZMM3Z8V2ST1G	0.0467	AEC Qualified PPAP Capable Pb-free Halide free	Active	8.2	0.3	SOD-323
SZMM3Z9V1ST1G	0.0519	AEC Qualified PPAP Capable Pb-free Halide free	Active	9.1	0.3	SOD-323

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

Created on: 8/10/2020