

MM5Z

500 mW Tight Tolerance Zener Diode Voltage Regulator

Product Overview

For complete documentation, see the data sheet.

This series of Zener diodes is packaged in a SOD-523 surface mount package. They are designed to provide voltage regulation protection and are especially attractive in situations where space is at a premium. They are 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 18 V
- Steady State Power Rating of 500 mW
- Small Body Outline Dimensions: 0.047 x 0.032 (1.20 mm x 0.80 mm)
- Low Body Height: 0.028 (0.7 mm)
- ESD Rating of Class 3 (>16 kV) per Human Body Model
- Tight Tolerance VZ
- These are PbFree Devices
- AEC-Q101 Qualified and PPAP Capable
- SZ Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements

Applications

- Cellular phones, Handheld Portables, and high density PC Boards

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
MM5Z2V4ST1G	0.0261	 	Active	2.4	0.5	SOD-523-2
MM5Z2V4ST5G	0.0261	 	Active	2.4	0.5	SOD-523-2
MM5Z4V7ST1G	0.0335	 	Active	4.7	0.5	SOD-523-2
MM5Z4V7ST5G	0.0335	 	Active	4.7	0.5	SOD-523-2
MM5Z5V1ST1G	0.0335	 	Active	5.1	0.5	SOD-523-2
MM5Z5V1ST5G	0.0335	 	Active	5.1	0.5	SOD-523-2
MM5Z5V6ST1G	0.0335	 	Active	5.6	0.5	SOD-523-2
MM5Z5V6ST5G	0.0335	 	Active	5.6	0.5	SOD-523-2
MM5Z6V2ST1G	0.0335	 	Active	6.2	0.5	SOD-523-2
MM5Z6V2ST5G	0.0335	 	Active	6.2	0.5	SOD-523-2
MM5Z6V8ST1G	0.0335	 	Active	6.8	0.5	SOD-523-2
MM5Z6V8ST5G	0.0335	 	Active	6.8	0.5	SOD-523-2
MM5Z8V2ST1G	0.0259	 	Active	8.2	0.5	SOD-523-2
MM5Z8V2ST5G	0.0259	 	Active	8.2	0.5	SOD-523-2
MM5Z9V1ST1G	0.0264	 	Active	9.1	0.5	SOD-523-2
MM5Z9V1ST5G	0.0264	 	Active	9.1	0.5	SOD-523-2
SZMM5Z4V7ST1G	0.0844	   	Active	4.7	0.5	SOD-523-2
SZMM5Z4V7ST5G	0.0844	   	Active	4.7	0.5	SOD-523-2
SZMM5Z5V1ST1G	0.0689	   	Active	5.1	0.5	SOD-523-2
SZMM5Z5V1ST5G	0.0689	   	Active	5.1	0.5	SOD-523-2
SZMM5Z5V6ST1G	0.0777	   	Active	5.6	0.5	SOD-523-2
SZMM5Z5V6ST5G	0.074	   	Active	5.6	0.5	SOD-523-2
SZMM5Z6V2ST1G	0.07	   	Active	6.2	0.5	SOD-523-2
SZMM5Z6V2ST5G	0.0844	   	Active	6.2	0.5	SOD-523-2
SZMM5Z6V8ST1G	0.07	   	Active	6.8	0.5	SOD-523-2
SZMM5Z6V8ST5G	0.0844	   	Active	6.8	0.5	SOD-523-2
SZMM5Z8V2ST1G	0.07	   	Active	8.2	0.5	SOD-523-2
SZMM5Z8V2ST5G	0.0844	   	Active	8.2	0.5	SOD-523-2
SZMM5Z9V1ST1G	0.0724	   	Active	9.1	0.5	SOD-523-2
SZMM5Z9V1ST5G	0.0689	  	Active	9.1	0.5	SOD-523-2