

Product Overview

1SMB5942B: 51 V, 3.0 W Zener Diode Voltage Regulator

For complete documentation, see the data sheet.

This 3.0 W Zener diode is designed for general purpose voltage regulation applications.

Features

- Zener Voltage Range - 3.3 V to 200 V
- ESD Rating of Class 3 (>16 KV) per Human Body Model
- Flat Handling Surface for Accurate Placement
- Package Design for Top Side or Bottom Circuit Board Mounting

Mechanical Characteristics:

- CASE: Void-free, transfer-molded plastic
- FINISH: All external surfaces are corrosion resistant with readily solderable leads
- MAXIMUM CASE TEMPERATURE FOR SOLDERING PURPOSES: 260°C for 10 seconds
- LEADS: Modified L-Bend providing more contact area to bond pads
- POLARITY: Cathode indicated by molded polarity notch.
- FLAMMABILITY RATING: UL94 V-0

For more features, see the data sheet

Part Electrical Specifications

Product	Compliance	Status	V _Z Typ (V)	P Max (W)	Package Type
1SMB5942BT3G	Pb-free Halide free	Active	51	3	SMB-2
SZ1SMB5942BT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	51	3	SMB-2

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

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