



## Product Overview

### 1SMB5931B: 18 V, 3.0 W Zener Diode Voltage Regulator

For complete documentation, see the [data sheet](#)

#### Product Description

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

#### Part Electrical Specifications

Product	Compliance	Status	V <sub>Z</sub> Typ (V)	P Max (W)	Package Type
1SMB5931BT3G	Pb-free Halide free	Active	18	3	SMB-2
SZ1SMB5931BT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	18	3	SMB-2

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