



Product Overview

BZX84B5V1: Zener Diode Voltage Regulator, 225 mW, 5.1 V, $\pm 2\%$ Tight Tolerance

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

Product Description

This series of Zener diodes is offered in the convenient, surface mount plastic SOT-23 package. These devices are designed to provide voltage regulation with minimum space requirement. They are well suited for applications such as cellular phones, hand held portables, and high density PC boards.

Features

- 225 mW Rating on FR-4 or FR-5 Board
- Zener Breakdown Voltage Range - 2.4 V to 75 V
- Package Designed for Optimal Automated Board Assembly
- Small Package Size for High Density Applications
- ESD Rating of Class 3 (>16 KV) per Human Body Model
- Mechanical Characteristics:
- CASE: Void-free, transfer-molded, thermosetting plastic case
- FINISH: Corrosion resistant finish, easily solderable
- MAXIMUM CASE TEMPERATURE FOR SOLDERING PURPOSES: 260°C for 10 Seconds
- POLARITY: Cathode indicated by polarity band

Part Electrical Specifications

Product	Compliance	Status	V _Z Typ (V)	P Max (W)	Package Type
BZX84B5V1LT1G	AEC Qualified Pb-free Halide free	Active	5.1	0.225	SOT-23-3
SZBZX84B5V1LT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	5.1	0.225	SOT-23-3

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

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