

## BZX84 E-SERIES

# Energy Rated Zeners in SOT-23 225 W

## Product Overview

For complete documentation, see the data sheet.

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

- Peak Power Dissipation 225 Watt (8 X 20  $\mu$ s)
- ESD Rating of Class 3 (>16 KV) per Human Body Model
- Pb-Free Packages are Available
- AECQ101 Qualified and PPAP Capable
- SZ Prefix for Automotive and Other Applications Requiring UniqueSite and Control Change Requirements

### Applications

- Voltage Regulation
- Waveform Clipping
- MOSFET Gate Protection

### 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 <sub>Z</sub> Typ (V)	P Max (W)	Package Type
BZX84C4V7ET3G		 	ProductPreview	4.7	0.225	SOT-23-3
BZX84C5V6ET3G	0.0263	 	Active	5.6	0.225	SOT-23-3
BZX84C6V2ET1G	0.0259	 	Active	6.2	0.225	SOT-23-3
SZBZX84C10ET1G	0.0259	   	Active	10	0.225	SOT-23-3
SZBZX84C11ET1G	0.0225	   	Active	11	0.225	SOT-23-3
SZBZX84C12ET1G	0.0259	   	Active	12	0.225	SOT-23-3
SZBZX84C12ET3G	0.0259	   	Active	12	0.225	SOT-23-3
SZBZX84C13ET1G	0.0225	   	Active	13	0.225	SOT-23-3
SZBZX84C15ET1G	0.0259	   	Active	15	0.225	SOT-23-3
SZBZX84C15ET3G	0.0259	   	Active	15	0.225	SOT-23-3
SZBZX84C16ET1G	0.0259	   	Active	16	0.225	SOT-23-3
SZBZX84C16ET3G	0.0259	   	Active	16	0.225	SOT-23-3
SZBZX84C18ET1G	0.0259	   	Active	18	0.225	SOT-23-3
SZBZX84C20ET1G	0.0225	   	Active	20	0.225	SOT-23-3
SZBZX84C22ET1G	0.0225	   	Active	22	0.225	SOT-23-3
SZBZX84C24ET1G	0.0225	   	Active	24	0.225	SOT-23-3
SZBZX84C27ET1G	0.0225	   	Active	27	0.225	SOT-23-3
SZBZX84C27ET3G	0.0225	   	Active	27	0.225	SOT-23-3
SZBZX84C2V4ET1G	0.0225	   	Active	2.4	0.225	SOT-23-3
SZBZX84C2V7ET1G	0.0225	   	Active	2.7	0.225	SOT-23-3
SZBZX84C30ET1G	0.0225	   	Active	30	0.225	SOT-23-3
SZBZX84C33ET1G	0.0225	   	Active	33	0.225	SOT-23-3
SZBZX84C33ET3G	0.0225	   	Active	33	0.225	SOT-23-3
SZBZX84C36ET1G	0.0259	   	Active	36	0.225	SOT-23-3
SZBZX84C39ET1G	0.0259	 	Active	39	0.225	SOT-23-3

SZBZX84C3V0E T1G	0.0225		Active	3	0.225	SOT-23-3
SZBZX84C3V3E T1G	0.0259		Active	3.3	0.225	SOT-23-3
SZBZX84C3V6E T1G	0.0259		Active	3.6	0.225	SOT-23-3
SZBZX84C3V9E T1G	0.0225		Active	3.9	0.225	SOT-23-3
SZBZX84C3V9E T3G	0.0225		Active	3.9	0.225	SOT-23-3
SZBZX84C43ET 1G	0.0225		Active	43	0.225	SOT-23-3
SZBZX84C47ET 1G	0.0225		Active	47	0.225	SOT-23-3
SZBZX84C4V3E T1G	0.0225		Active	4.3	0.225	SOT-23-3
SZBZX84C4V7E T1G	0.0259		Active	4.7	0.225	SOT-23-3
SZBZX84C51ET 1G	0.0225		Active	51	0.225	SOT-23-3
SZBZX84C56ET 1G	0.0259		Active	56	0.225	SOT-23-3
SZBZX84C5V1E T1G	0.0259		Active	5.1	0.225	SOT-23-3
SZBZX84C5V1E T3G	0.0225		Active	5.1	0.225	SOT-23-3
SZBZX84C5V6E T1G	0.0259		Active	5.6	0.225	SOT-23-3
SZBZX84C5V6E T3G	0.0259		Active	5.6	0.225	SOT-23-3
SZBZX84C62ET 1G	0.0225		Active	62	0.225	SOT-23-3
SZBZX84C68ET 1G	0.0259		Active	68	0.225	SOT-23-3
SZBZX84C6V2E T1G	0.0284		Active	6.2	0.225	SOT-23-3
SZBZX84C6V2E T3G	0.0259		Active	6.2	0.225	SOT-23-3
SZBZX84C6V8E T1G	0.0225		Active	6.8	0.225	SOT-23-3
SZBZX84C75ET 1G	0.0259		Active	75	0.225	SOT-23-3
SZBZX84C7V5E T1G	0.0285		Active	7.5	0.225	SOT-23-3
SZBZX84C8V2E T1G	0.0259		Active	8.2	0.225	SOT-23-3
SZBZX84C8V2E T3G	0.0259		Active	8.2	0.225	SOT-23-3
SZBZX84C9V1E T1G	0.0225		Active	9.1	0.225	SOT-23-3

SZBZX84C9V1E T3G	0.0225		Active	9.1	0.225	SOT-23-3
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