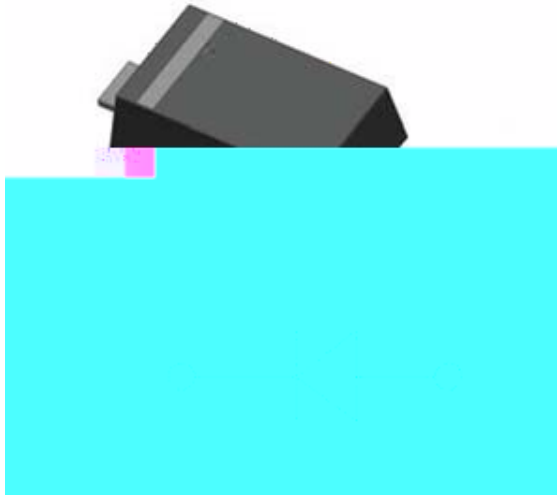




Small Signal Zener Diodes



Features

- Epoxy meets UL-94 V-0 flammability rating and halogen free
- Moisture Sensitivity Level 1
- Zener Voltage 3.6V~36V
- Vz-tolerance $\pm 2\%$ approximately
- ESD Rating of Class 3 ($> 16\text{ kV}$) per Human Body Mode
- Part no. with suffix "Q" means AEC-Q101 qualified

Applications

- General regulation functions

Mechanical Data

Case: SOD523

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Polarity: Cathode line denotes the cathode end

Maximum Ratings ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	VALUE
Power Dissipation	P_D	mW	250
Storage Temperature Range	T_{stg}	$^{\circ}\text{C}$	-55~+150
Junction Temperature	T_J	$^{\circ}\text{C}$	-55~+150
Maximum Regulator Current	I	$^{\circ}\text{C}$ M s M	

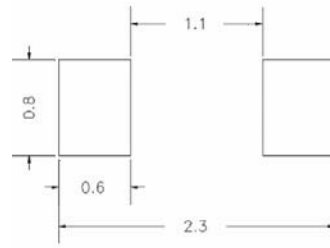
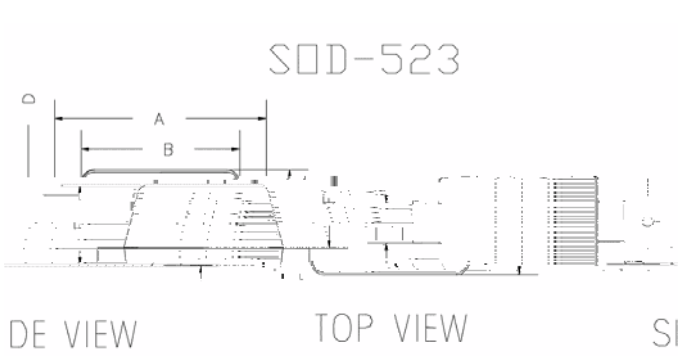
			MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BZX584B3V6Q THRU BZX584B36VQ	F2	Approximate 0.002	8000	80000	320000	7" reel

BZX584B3V6Q THRU BZX584B36VQ



BZX584B3V6Q THRU BZX584B36VQ

Outline Dimensions



UNIT: mm

SUGGESTED SOLDER PAD LAYOUT

DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.059	0.067	1.500	1.700
B	0.043	0.051	1.100	1.300
C	0.900	0.028	0.035	0.700
D	0.350	0.010	0.014	0.250
E	0.200	0.012	0.008	0.050

Marking Information



Note:

1. All marking is at middle of the product body
2. All marking is in laser marking
3. XX is Marking Code
4. Body color: Black



BZX584B3V6Q THRU BZX584B36VQ

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with automotive electronics are not designed for use in medical, life-saving, lifesustaining, or military, Yangjie or anyone on its behalf, assumes no responsibility or liability.