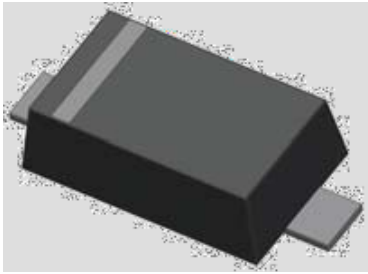




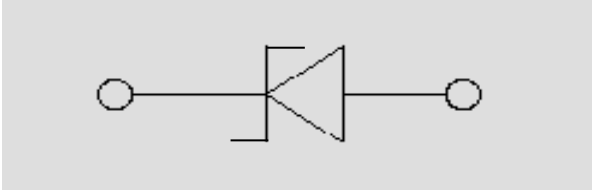
# BZX584C2V4 THRU BZX584C75V

## Zener Diode



### Features

- High reliability
- Very sharp reverse characteristic
- Low reverse current level
- Zener Voltage 2.4V~47V



### Mechanical Data

**Package:** SOD523

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

**Polarity:** Cathode line denotes the cathode end

### Maximum Ratings (T<sub>a</sub>=25 Unless otherwise specified Å

PARAMETER	SYMBOL	UNIT	VALUE
Power Dissipation at T <sub>a</sub> =25	P <sub>D</sub>	mW	200
Storage Temperature Range	T <sub>stg</sub>	°C	-55~+150
Maximum Junction Temperature	T <sub>J</sub>	°C	-55~+150
Maximum Regulator Current	I <sub>ZM</sub>	mA	P <sub>D</sub> / V <sub>Z</sub>
Forward Voltage(@10mA)	V <sub>F</sub>	V	1.0
Thermal Resistance Junction to Ambient Air*	R <sub>JA</sub>	°C /W	625

### Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BZX584C2V4 THRU BZX584C75V	F2	Approximate 0.002	55	M		



## BZX584C2V4 THRU BZX584C75V

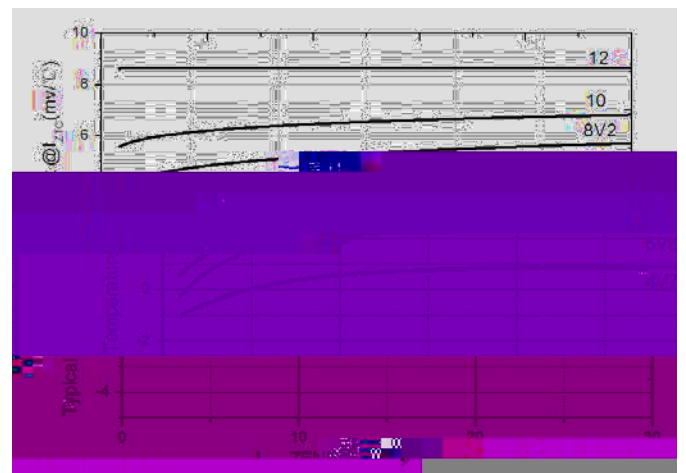
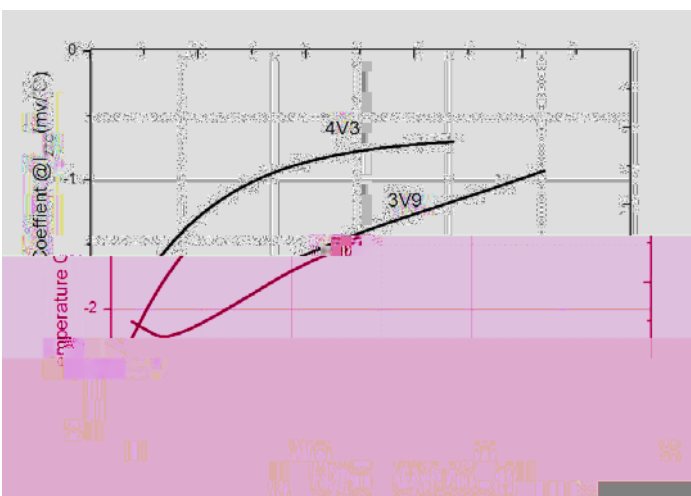
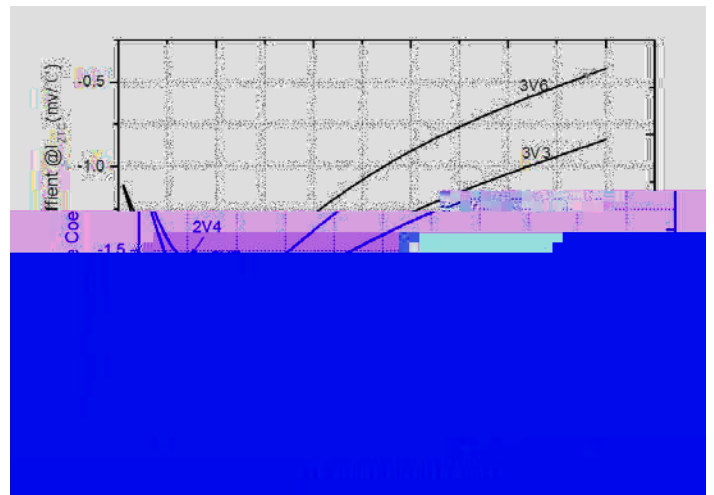
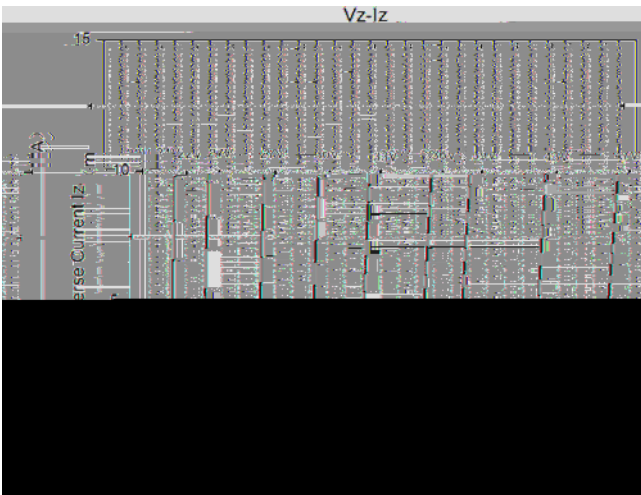
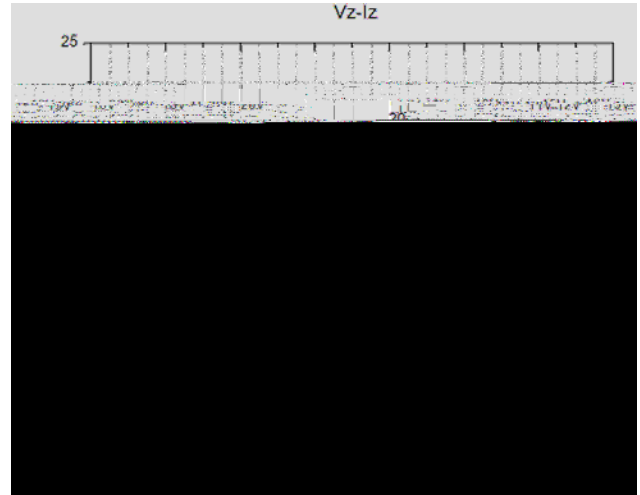
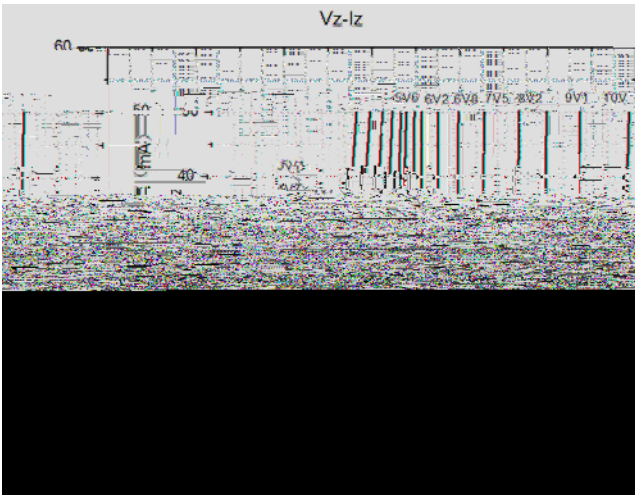
**Electrical Characteristics**  $T_a=25$  Unless otherwise specified  $\dot{A}$

Type Number	Device Marking	$V_z$ at $I_{zT}$ (V)			$Z_{zt}$ ( $\Omega$ )		$Z_{zk}$ ( $\Omega$ )		$I_R(\mu A)@V_R$	
		min.	typ.	max.	$I_{zT}$ (mA)	max.	$I_{zk}$ (mA)	max.	max	$V_R$



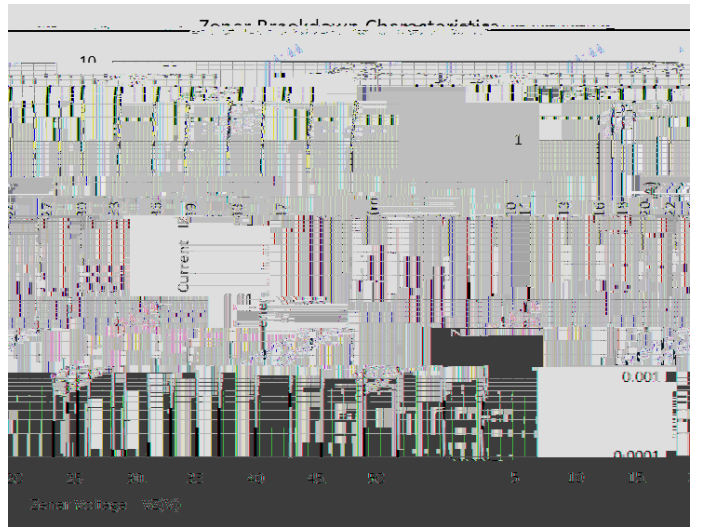
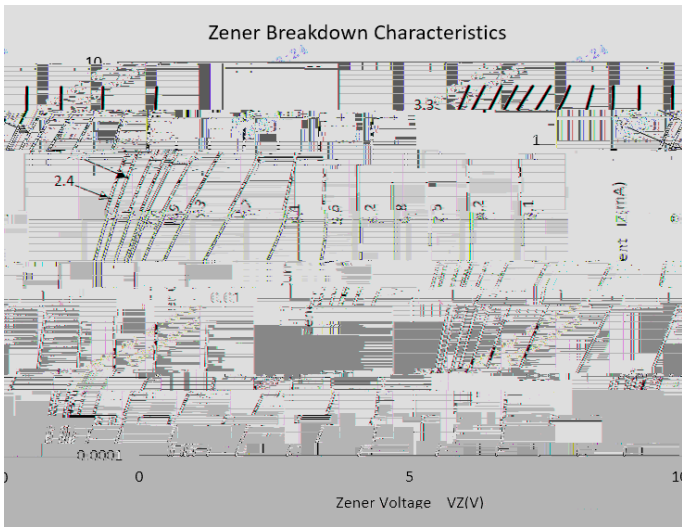
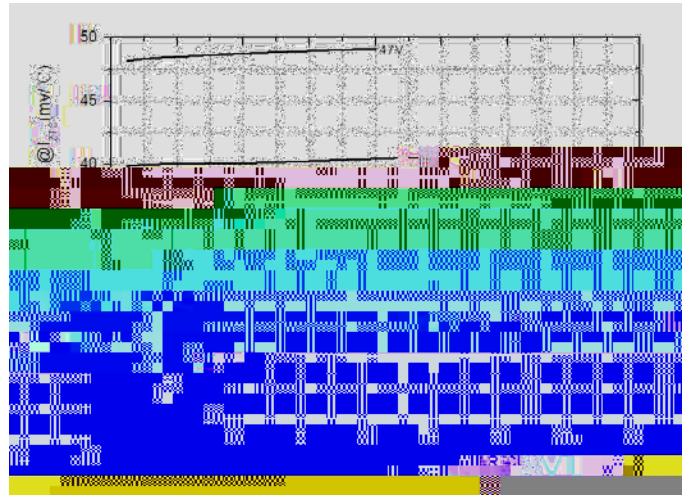
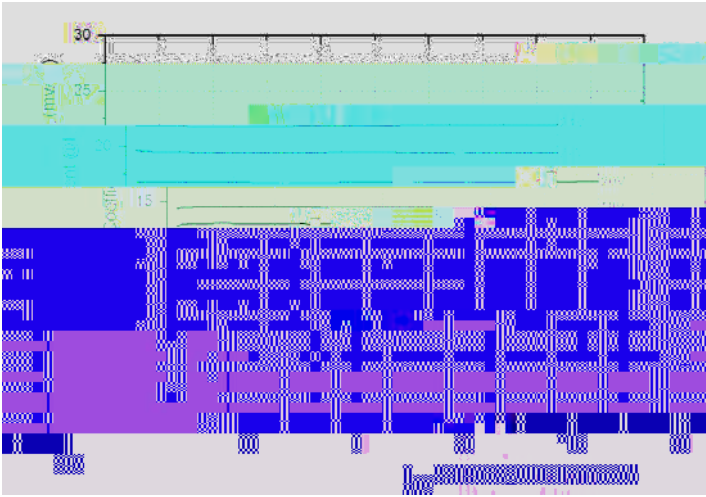
# BZX584C2V4 THRU BZX584C75V

## Characteristics (Typical)





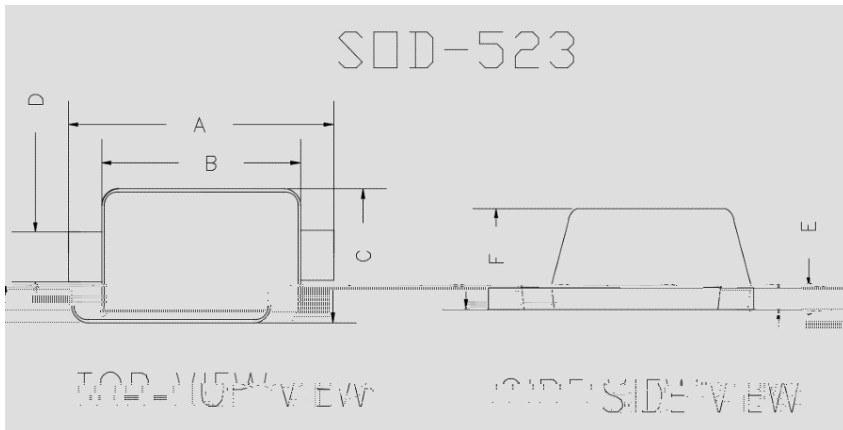
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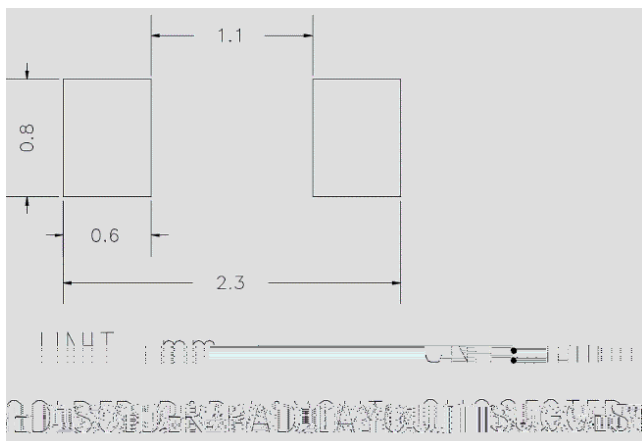
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## Outline Dimensions



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	0.00750	0.00900	0.0190	0.0228
D	0.0250	0.0350	0.0635	0.0889
E	0.0050	0.0060	0.1270	0.1524
F	0.0010	0.0015	0.0254	0.0381

## Soldering Footprint





## BZX584C2V4 THRU BZX584C75V

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### 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 ordinary electronic equipment or devices, and not designed to be used with equipment/

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