



BZX584C27V SOD-523 Zener Diode 200mW Electronic Components

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: BZX584C27V
- Minimum Order Quantity: 8000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- BZX584C27V Name: Zener Diode
- BZX584C27V Package Type: SOD-523
- BZX584C27V PD: 200mW
- BZX584C27V VZ (Nom.): 27V
- BZX584C27V VZ (Min.): 25.1V
- BZX584C27V VZ (Max.): 28.9V
- BZX584C27V IZK: 0.5mA
- IR (Max.): 0.1μA
- Highlight: **SOD-523 Zener Diode,
BZX584C27V Zener Diode,
200mW Electronic Components**



Product Description

New Original BZX584C27V Reliable Quality SOD-523 Zener Diode Electronic Components

SOD-523 Zener Diode DATASHEET: [BZX584C2V4_BZX584C75V\(SOD-523\)_v2303.1.pdf](#)

SOD-523 Zener Diode Characteristics:

Constant voltage control is perfect
It has wide voltage range selection From 2.4V to 75V
SMD Zener Diode is SOD-523 Thin SMD package
Adjust to RoHS compliant / Green EMC
Matte Tin (Sn) Lead finish
Cathode Band / Device marking
Refer to table list

SOD-523 Zener Diode Absolute Max. Ratings (TA=25):

SOD-523 Zener Diode Parameter	Symbol	Value	Units
BZX584C27V Power Dissipation	PD	200	mW
BZX584C27V Junction Temperature	TJ	150	
BZX584C27V Storage Temperature	TSTG	-55 to +150	
Maximum Regulator Current	IZM	PD / VZ	mA

SOD-523 Zener Diode Electrical Features (TA=25):

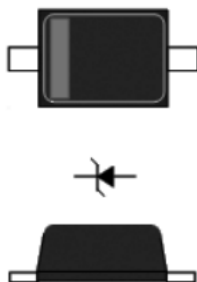
Part Number	Zener Diode VZ *1			IZT	ZZT @ IZT	ZZK @ IZK	IZK	IR	V R
Zener Diode	Nom. (V)	Min. (V)	Max. (V)	(mA)	Max.(Ω)		(mA)	Max. (μA)	(V)
BZX584C2V4	2.4	2.2	2.6	5	100	600	1.0	50	1.0
BZX584C2V7	2.7	2.5	2.9	5	100	600	1.0	20	1.0
BZX584C3V0	3.0	2.8	3.2	5	95	600	1.0	10	1.0
BZX584C3V3	3.3	3.1	3.5	5	95	600	1.0	5	1.0
BZX584C3V6	3.6	3.4	3.8	5	90	600	1.0	5	1.0
BZX584C3V9	3.9	3.7	4.1	5	90	600	1.0	3	1.0
BZX584C4V3	4.3	4.0	4.6	5	90	600	1.0	3	1.0
BZX584C4V7	4.7	4.4	5.0	5	80	500	1.0	3	2.0
BZX584C5V1	5.1	4.8	5.4	5	60	480	1.0	2	2.0
BZX584C5V6	5.6	5.2	6.0	5	40	400	1.0	1	2.0
BZX584C6V2	6.2	5.8	6.6	5	10	150	0.5	3	4.0
BZX584C6V8	6.8	6.4	7.2	5	15	80	0.5	2	4.0
BZX584C7V5	7.5	7.0	7.9	5	15	80	0.5	1	5.0
BZX584C8V2	8.2	7.7	8.7	5	15	80	0.5	0.7	5.0
BZX584C9V1	9.1	8.5	9.6	5	15	100	0.5	0.5	6.0
BZX584C10V	10	9.4	10.6	5	20	150	1.0	0.2	7.0
BZX584C11V	11	10.4	11.6	5	20	150	1.0	0.1	8.0
BZX584C12V	12	11.4	12.7	5	25	150	1.0	0.1	8.0

BZX584C13V	13	12.4	14.1	5	30	170	1.0	0.1	8.0
BZX584C15V	15	13.8	15.6	5	30	200	1.0	0.1	10.5
BZX584C16V	16	15.3	17.1	5	40	200	1.0	0.1	11.2
BZX584C18V	18	16.8	19.1	5	45	225	1.0	0.1	12.6
BZX584C20V	20	18.8	21.2	5	55	225	1.0	0.1	14.0
BZX584C22V	22	20.8	23.3	5	55	250	1.0	0.1	15.4
BZX584C24V	24	22.8	25.6	5	70	250	1.0	0.1	16.8
BZX584C27V	27	25.1	28.9	2	80	300	0.5	0.1	18.9
BZX584C30V	30	28.0	32.0	2	80	300	0.5	0.1	21.0
BZX584C33V	33	31.0	35.0	2	80	325	0.5	0.1	23.1
BZX584C36V	36	34.0	38.0	2	90	350	0.5	0.1	25.2
BZX584C39V	39	37.0	41.0	2	130	350	0.5	0.1	27.3
BZX584C43V	43	40.0	46.0	2	100	700	1.0	0.1	32.0
BZX584C47V	47	44.65	49.35	2	170	1000	0.25	0.1	36.0
BZX584C51V	51	48.45	53.55	2	180	1300	0.25	0.1	39.0
BZX584C56V	56	53.2	58.8	2	200	1400	0.25	0.1	43.0
BZX584C62V	62	58.9	65.1	2	225	1400	0.25	0.1	47.0
BZX584C68V	68	64.6	71.4	2	240	1600	0.25	0.1	52.0
BZX584C75V	75	71.25	78.75	2	265	1700	0.25	0.1	56.0

*1 Pulse width = 10 ms.

SOD-523 Surface Mount Zener Diode BZX584C27V Circuit Pictures:

SOD-523



SOD-523 Surface Mount Zener Diode BZX584C27V Curves: Fig1. BZX584C27V Zener Breakdown Characteristic

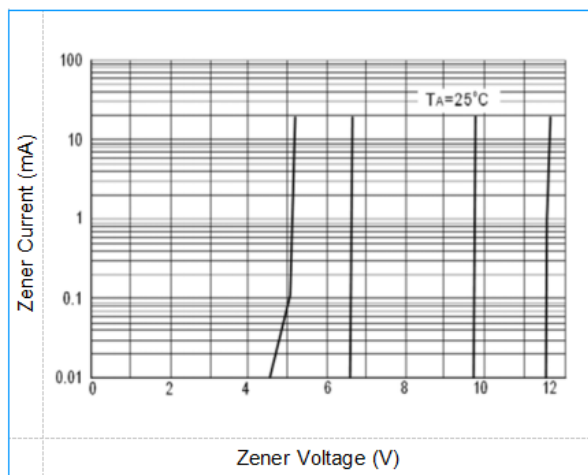


Fig2. BZX584C27V Zener Breakdown Characteristics

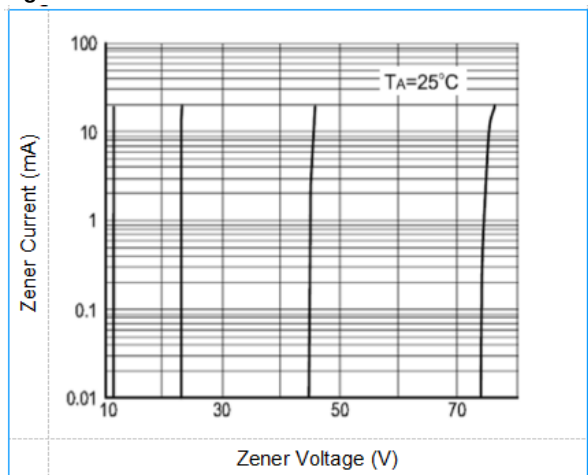


Fig3. BZX584C27V Typical Forward Voltage

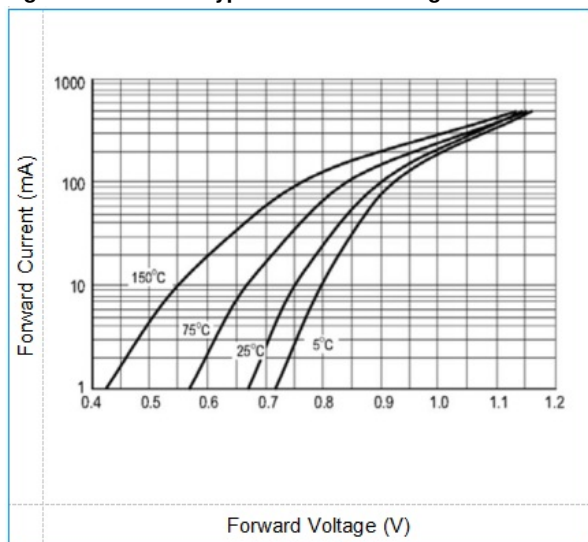


Fig4. BZX584C27V Effect of Zener Voltage on Zener Impedance

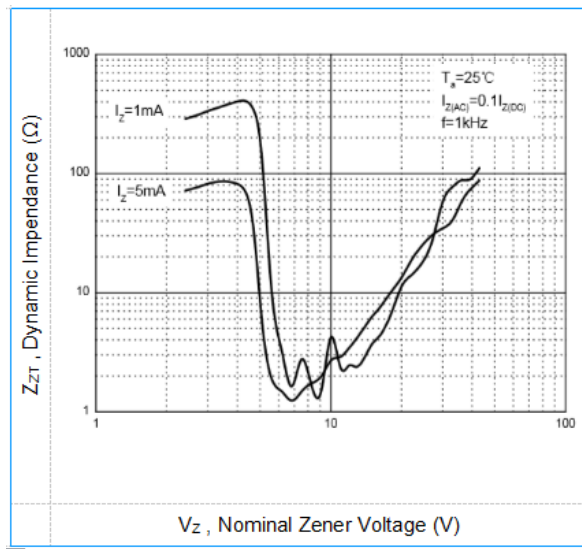


Fig5. BZX584C27V Typical Capacitance

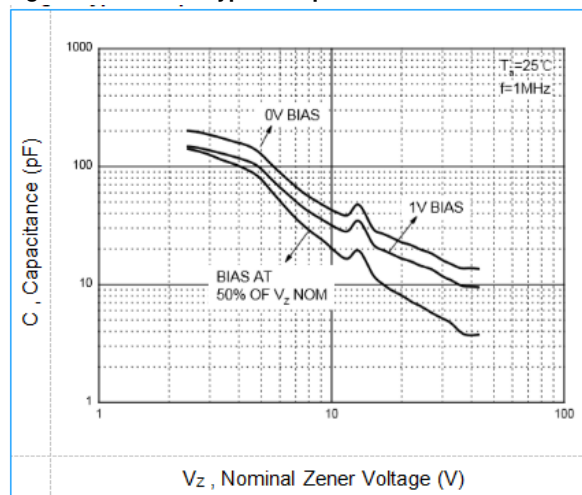


Fig6. BZX584C27V Typical Leakage Current

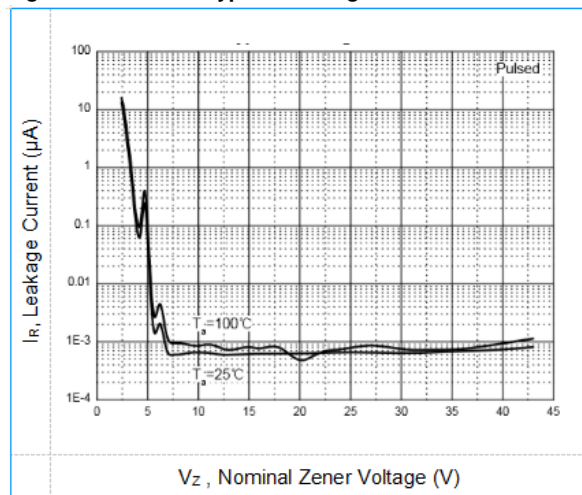
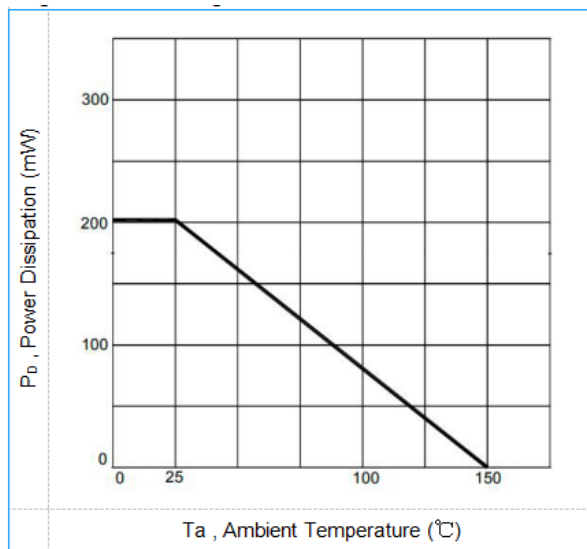
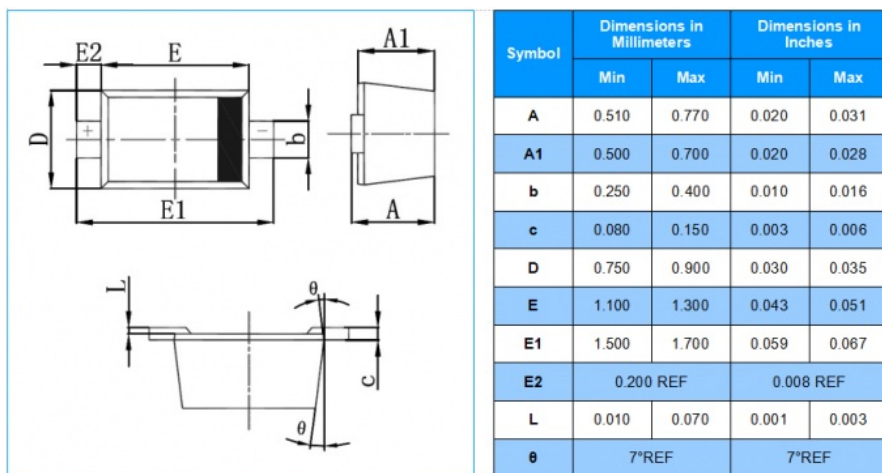


Fig7. BZX584C27V Power Derating Curve



SOD-523 Surface Mount Zener Diode BZX584C27V Outline and Dimensions:



SOD-523 Package Zener Diode BZX584C27V Ordering Information:

Zener Diode Part Number	Component Package	Zener Diode Shipping
BZX584C2V4~BZX584C75 V	SOD-523	Tape & Reel 8000 PCS / 7" Reel

