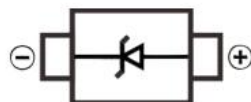
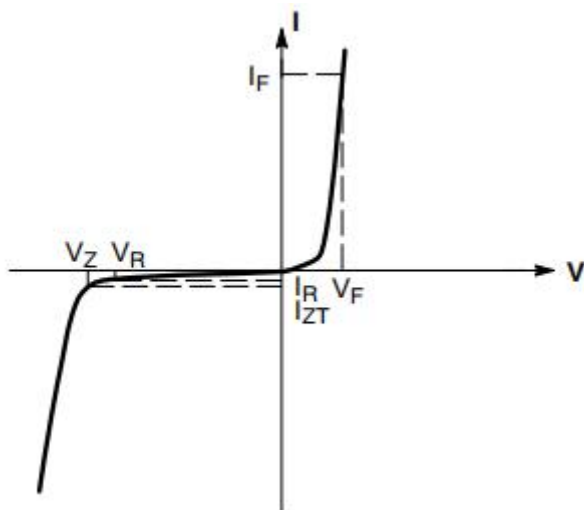


SOD-123 Surface Mounted Zener Diode 表面贴装稳压二极管



■ Absolute Maximum Ratings 最大额定值

Characteristic 特性参数	Symbol 符号	Rat 额定值	Unit 单位
Power dissipation 耗散功率	P_D ($T_a=25^\circ\text{C}$)	500	mW
Thermal Resistance Junction-Ambient 热阻	$R_{\theta JA}$	250	$^\circ\text{C}/\text{W}$
Forward Voltage 正向电压	V_F (@ $I_F=10\text{mA}$)	0.9	V
Reverse Voltage 反向电压	V_Z	2-75	V
Junction and Storage Temperature 结温和储藏温度	T_J, T_{stg}	150 $^\circ\text{C}$, -65to+150 $^\circ\text{C}$	



■ Electrical Characteristics 电特性

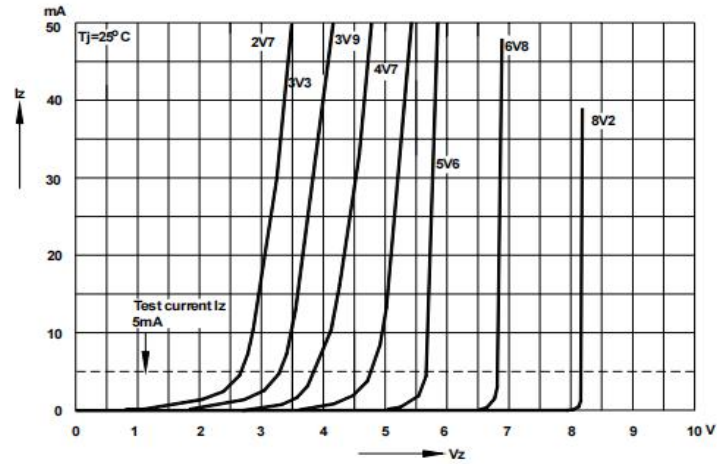
($T_A=25^\circ\text{C}$ unless otherwise noted 如无特殊说明, 温度为 25°C)

BZT52C2V4-BZT52C75

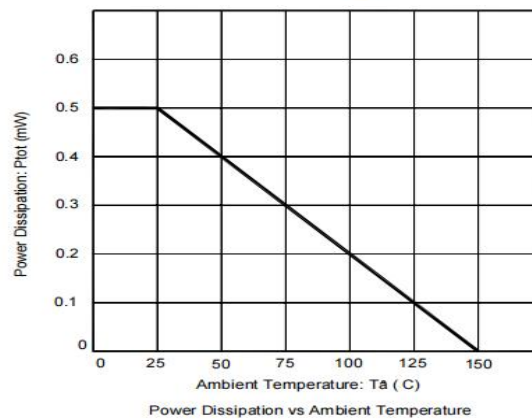
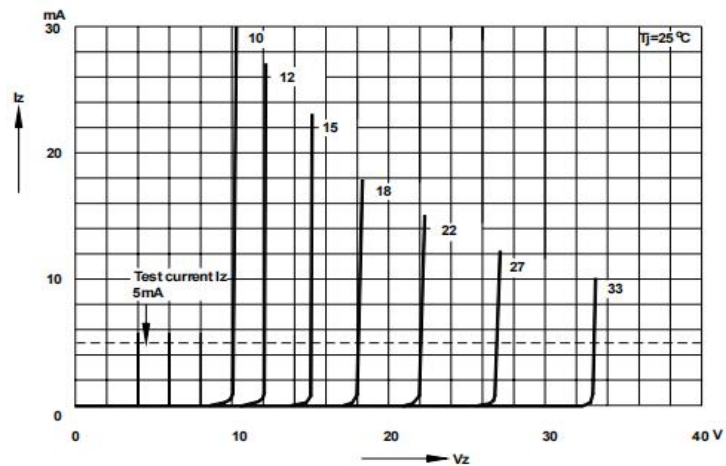
Type	V _Z (V)稳压值				I _R (μA)漏流		Z _{VT} (ohm)阻抗		Z _{ZK} (ohm)阻抗		Mark 印字
	Nom	Min	Max	@I _Z (mA)	Max	@V _R (V)	Max	@I _Z (mA)	Max	@I _Z (mA)	
BZT52C2V4	2.4	2.2	2.6	5	50	1	100	5	600	1.0	WX
BZT52C2V7	2.7	2.5	2.9	5	20	1	100	5	600	1.0	W1
BZT52C3V0	3.0	2.8	3.2	5	10	1	95	5	600	1.0	W2
BZT52C3V3	3.3	3.1	3.5	5	5	1	95	5	600	1.0	W3
BZT52C3V6	3.6	3.4	3.8	5	5	1	90	5	600	1.0	W4
BZT52C3V9	3.9	3.7	4.1	5	3	1	90	5	600	1.0	W5
BZT52C4V3	4.3	4.0	4.6	5	3	1	90	5	600	1.0	W6
BZT52C4V7	4.7	4.4	5.0	5	3	2	80	5	500	1.0	W7
BZT52C5V1	5.1	4.8	5.4	5	2	2	60	5	480	1.0	W8
BZT52C5V6	5.6	5.2	6.0	5	1	2	40	5	400	1.0	W9
BZT52C6V2	6.2	5.8	6.6	5	3	4	10	5	150	1.0	WA
BZT52C6V8	6.8	6.4	7.2	5	2	4	15	5	80	1.0	WB
BZT52C7V5	7.5	7.0	7.9	5	1	5	15	5	80	1.0	WC
BZT52C8V2	8.2	7.7	8.7	5	0.7	5	15	5	80	1.0	WD
BZT52C9V1	9.1	8.5	9.6	5	0.5	6	15	5	100	1.0	WE
BZT52C10	10	9.4	10.6	5	0.2	7	20	5	150	1.0	WF
BZT52C11	11	10.4	11.6	5	0.1	8	20	5	150	1.0	WG
BZT52C12	12	11.4	12.7	5	0.1	8	25	5	150	1.0	WH
BZT52C13	13	12.4	14.1	5	0.1	8	30	5	170	1.0	WI
BZT52C15	15	13.8	15.6	5	0.05	10.5	30	5	200	1.0	WJ
BZT52C16	16	15.3	17.1	5	0.05	11.2	40	5	200	1.0	WK
BZT52C18	18	16.8	19.1	5	0.05	12.6	45	5	225	1.0	WL
BZT52C20	20	18.8	21.2	5	0.05	14.0	55	5	225	1.0	WM
BZT52C22	22	20.8	23.3	5	0.05	15.4	55	5	250	1.0	WN
BZT52C24	24	22.8	25.6	5	0.05	16.8	70	5	250	1.0	WO
BZT52C27	27	25.1	28.9	2	0.05	18.9	80	2	300	0.5	WP
BZT52C30	30	28.0	32.0	2	0.05	21.0	80	2	300	0.5	WQ
BZT52C33	33	31.0	35.0	2	0.05	23.1	80	2	325	0.5	WR
BZT52C36	36	34.0	38.0	2	0.05	25.2	90	2	350	0.5	WS
BZT52C39	39	37.0	41.0	2	0.05	27.3	130	2	350	0.5	WT
BZT52C43	43	40.0	46.0	2	0.05	30.1	150	2	375	0.5	6A
BZT52C47	47	44.0	50.0	2	0.05	32.9	170	2	375	0.5	6B
BZT52C51	51	48.0	54.0	2	0.05	35.7	180	2	400	0.5	6C
BZT52C56	56	52.0	60.0	2	0.05	39.2	200	2	425	0.5	6D
BZT52C62	62	58.0	66.0	2	0.05	43.4	215	2	450	0.5	6E
BZT52C68	68	64.0	72.0	2	0.05	47.6	240	2	475	0.5	6F
BZT52C75	75	70.0	79.0	2	0.05	52.5	255	2	500	0.5	6H

■ Typical Characteristic Curve 典型特性曲线

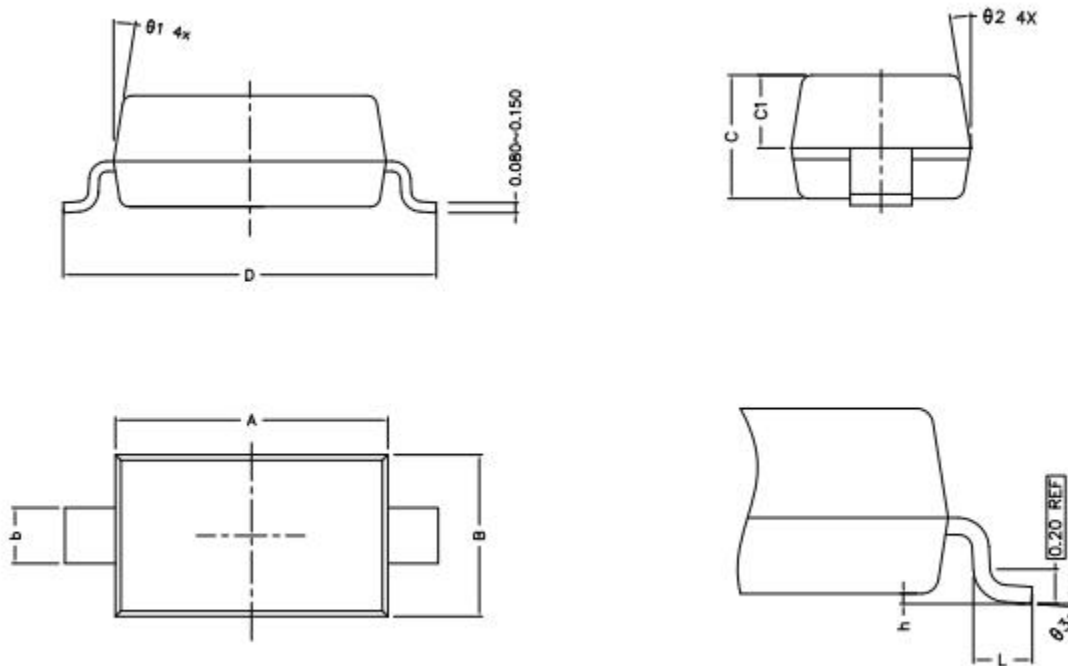
Breakdown characteristics
 $T_j = \text{constant (pulsed)}$



Breakdown characteristics
 $T_j = \text{constant (pulsed)}$



■Dimension 外形封装尺寸



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	2.600	2.800	0.102	0.110
B	1.500	1.700	0.059	0.067
C	1.050	1.150	0.041	0.045
C1	0.600	0.700	0.024	0.028
D	3.550	3.850	0.140	0.152
L	0.250	0.450	0.010	0.018
b	0.450	0.650	0.018	0.026
h	0.020	0.120	0.001	0.005
$\ominus 3$	0°	7°	0°	7°