



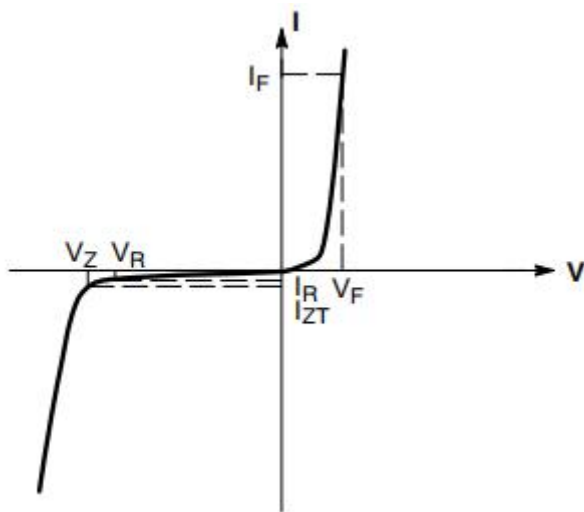
SOD-123 Surface Mounted Zener Diode 表面贴装稳压二极管



SOD-123

■ 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	2.4-43	V
Junction and Storage Temperature 结温和储藏温度	T_J, T_{stg}	150 $^{\circ}\text{C}$, -65to+150 $^{\circ}\text{C}$	



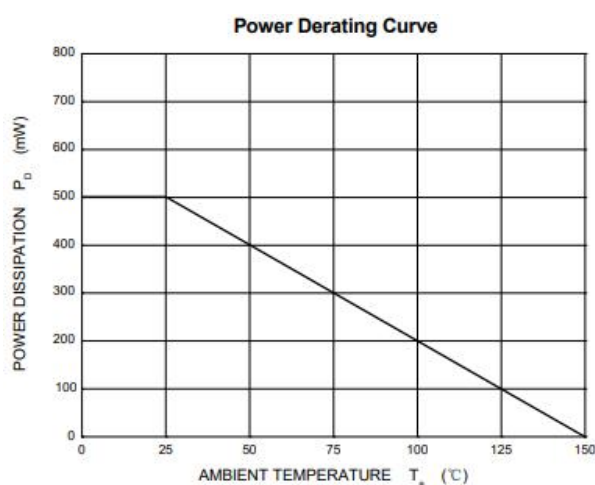
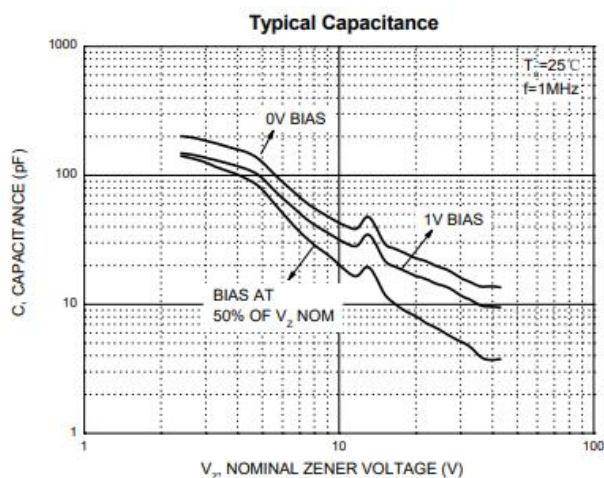
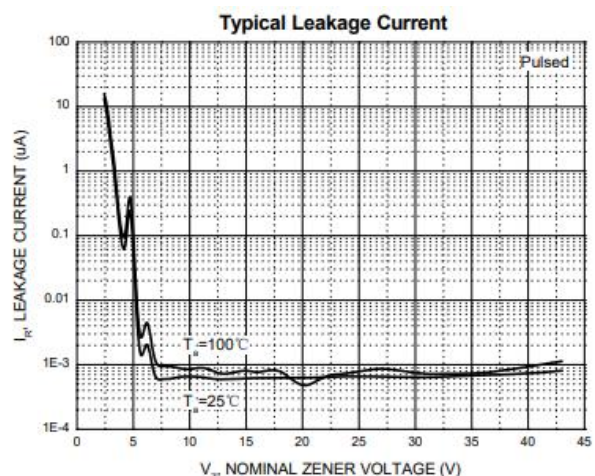
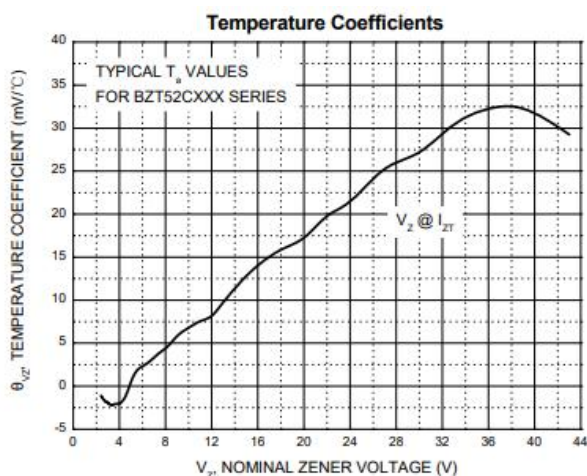
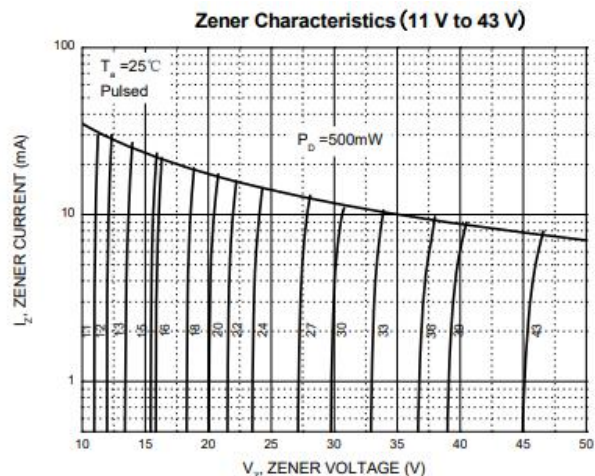
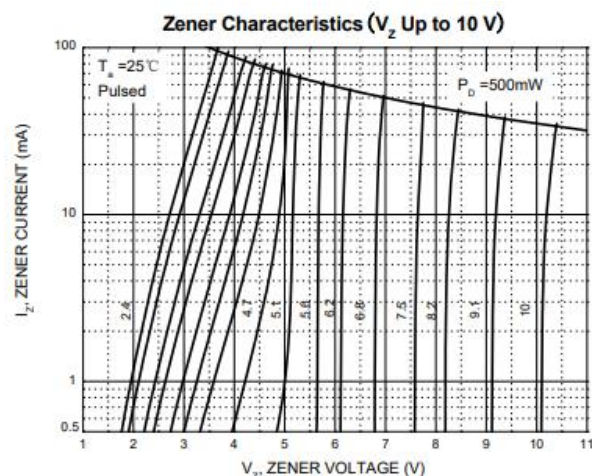


■Electrical Characteristics 电特性

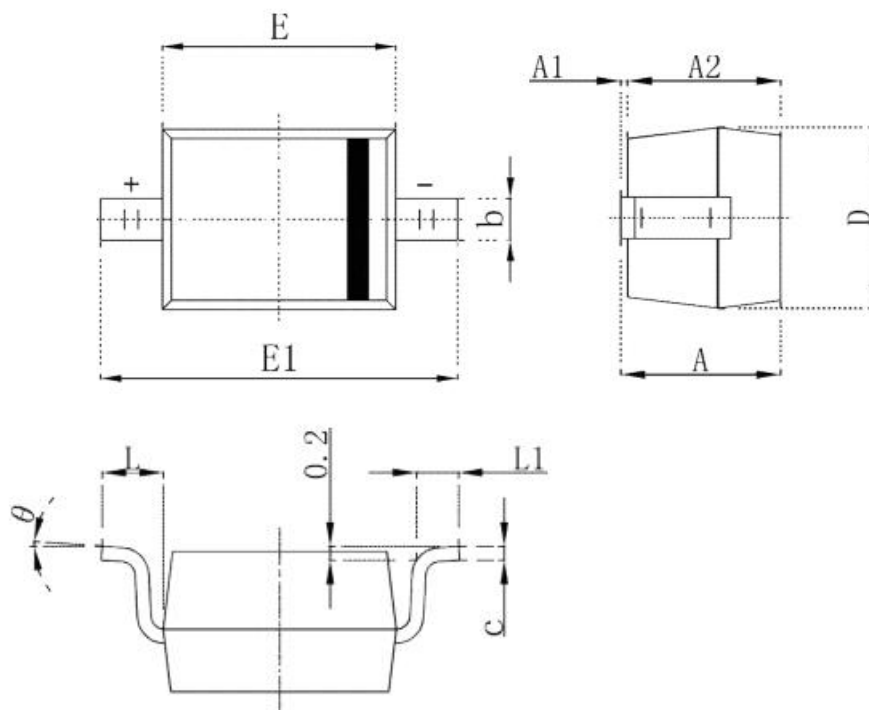
(TA=25℃ unless otherwise noted 如无特殊说明, 温度为 25℃)

Type	V _Z (V)		DIFFERENTIAL RESISTANCE r _{diff} (Ω)				TEMP. COEFF. S _Z (mV/K)			I _R (uA) @V _R (V)		Mark ing
	@I _{ZT} =5mA		@I _{ZK} =1mA		@I _{ZT} =5mA		@I _{ZT} =5mA			I _R	@V _R	
	MIN.	MAX.	TYP.	MAX.	TYP.	MAX	MIN.	TYP.	MAX			
BZT52B2V4-6AF	2. 35	2. 45	325	600	80	100	-3.5	-2.1	0	50	1	WX
BZT52B2V7-6AF	2. 64	2. 76	325	600	80	100	-3.5	-2.1	0	20	1	W1
BZT52B3V0-6AF	2.94	3.06	325	600	80	95	-3.5	-2.1	0	10	1	W2
BZT52B3V3-6AF	3.23	3.37	350	600	85	95	-3.5	-2.4	0	5	1	W3
BZT52B3V6-6AF	3.52	3.68	375	600	85	90	-3.5	-2.4	0	5	1	W4
BZT52B3V9-6AF	3.82	3.98	400	600	85	90	-3.5	-2.5	0	3	1	W5
BZT52B4V3-6AF	4.21	4.39	400	600	85	90	-3.5	-2.5	0	3	1	W6
BZT52B4V7-6AF	4.6	4.8	410	600	80	90	-3.5	-2.5	0	3	2	W7
BZT52B5V1-6AF	4.99	5.2	425	500	50	80	-3.5	-1.4	0.2	2	2	W8
BZT52B5V6-6AF	5.49	5.71	400	480	40	60	-2.7	-0.8	1.2	1	2	W9
BZT52B6V2-6AF	6.07	6.32	80	400	15	40	-2.0	1.2	2.5	3	4	WA
BZT52B6V8-6AF	6.66	6.94	40	150	6	10	0.4	2.3	3.7	2	4	WB
BZT52B7V5-6AF	7.35	7.65	30	80	6	15	1.2	3.0	4.5	1	5	WC
BZT52B8V2-6AF	8.04	8.36	30	80	6	15	2.5	4.0	5.3	0.7	5	WD
BZT52B9V1-6AF	8.92	9.28	40	80	6	15	3.2	4.6	6.2	0.5	6	WE
BZT52B10-6AF	9.8	10.2	40	100	6	15	3.8	5.5	7.0	0.2	7	WF
BZT52B11-6AF	10.8	11.2	50	150	8	20	4.5	6.4	8.0	0.1	8	WG
BZT52B12-6AF	11.8	12.2	50	150	10	20	5.4	7.4	9.0	0.1	8	WH
BZT52B13-6AF	12.7	13.3	50	150	10	25	6.0	8.4	10.0	0.1	8	WI
BZT52B15-6AF	14.7	15.3	50	170	10	30	7.0	9.4	11.0	0.05	10.5	WJ
BZT52B16-6AF	15.7	16.3	50	200	10	30	9.2	11.4	13.0	0.05	11.2	WK
BZT52B18-6AF	17.6	18.4	50	200	10	40	10.4	12.4	14.0	0.05	12.6	WL
BZT52B20-6AF	19.6	20.4	50	225	10	45	12.4	14.4	16.0	0.05	14	WM
BZT52B22-6AF	21.6	22.5	60	225	15	55	14.4	16.4	18.0	0.05	15.4	WN
BZT52B24-6AF	23.5	24.5	60	250	20	55	16.4	18.4	20.0	0.05	16.8	WO
BZT52B27-6AF	26.4	27.6	65	300	25	80	21.4	23.4	25.3	0.05	18.9	WP
BZT52B30-6AF	29.4	30.6	70	300	30	80	24.4	26.6	29.4	0.05	21	WQ
BZT52B33-6AF	32.3	33.7	75	325	35	80	27.4	29.7	33.4	0.05	23.1	WR
BZT52B36-6AF	35.2	36.8	80	350	35	90	30.4	33.0	37.4	0.05	25.2	WS
BZT52B39-6AF	38.2	39.8	80	350	40	130	33.4	36.4	41.2	0.05	27.3	WT
BZT52B43-6AF	42.1	43.9	85	375	45	150	37.6	41.2	46.6	0.05	30.1	WU

■ Typical Characteristic Curve 典型特性曲线



■Dimension 外形封装尺寸



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	1.050	1.250	0.041	0.049
A1	0.000	0.100	0.000	0.004
A2	1.050	1.150	0.041	0.045
b	0.450	0.650	0.018	0.026
c	0.080	0.150	0.003	0.006
D	1.500	1.700	0.059	0.067
E	2.600	2.800	0.102	0.110
E1	3.550	3.850	0.140	0.152
L	0.500 REF		0.020 REF	
L1	0.250	0.450	0.010	0.018
θ	0°	8°	0°	8°