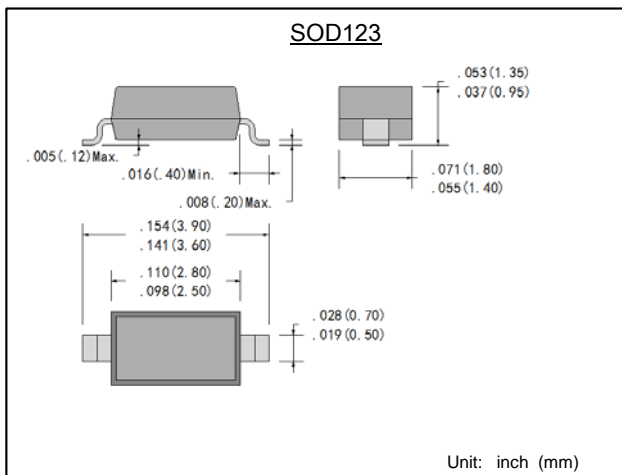




表面贴装稳压二极管
 功率 500 mW
 稳压电压范围 2.4 - 56 V

Surface Mount Zener Diode
 Power Dissipation 500 mW
 Zener Voltage Range 2.4 - 56 V



特征 Features

- 平面结构芯片 Planar die construction
- 最大功率耗散 500mW Power Dissipation of 500mW
- 超小表面贴装器件 Ultra-small surface mount device
- 适合自动装配 Ideally suited for automated assembly processes
- 引线镀层和管体符合RoHS标准
Lead plating and body according with RoHS standard

机械数据 Mechanical Data

- 封装: SOD123 塑料封装 Case: SOD123 Molded plastic
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 安装位置: 任意 Mounting Position: Any

极限值和温度特性 TA = 25°C 除非另有规定。

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

参数 Parameter	符号 Symbols	数值	单位
		Value	Unit
功率消耗 Power Dissipation	P_D	500	mW
典型热阻 Type Thermal Resistance (Note 1)	$R_{\theta JA}$	625	°C/W
工作结温和存储温度 Operating Junction and Storage Temperature Range	T_J, T_{STG}	-65 --- +150	°C

备注 Note:

- 1) 安装在覆铜面积5.0mm*5.0mm的PCB板上，从PN结到周围环境的热阻。
- 1) Thermal resistance from junction to ambient, PCB mounted with 5.0mm*5.0mm Copper Pad Areas.

电特性 TA = 25°C 除非另有规定。

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

参数 Parameter	符号 Symbols	数值	单位
		Value	Unit
正向电压 Forward Voltage IF=10mA	V_{FM}	0.9	V



BZT52C2V4~BZT52C56

电特性 TA = 25°C 除非另有规定。

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

产品型号 Part No.	印字 Marking	Zener Voltage Range				Maximum Zener Impedance			Maximum Reverse Current		Typical Temperature coefficient@ IZTC=Mv/°C		Test Current IZTC mA
		Vz@Izt			Izt(mA)	Zzt@Izt	Zzk@Izk	Izk	IR	VR	Min	Max	
		Nom.(V)	Min.(V)	Max.(V)		Ω		mA	uA	V			
BZT52C2V4	WX	2.4	2.2	2.6	5.0	100	600	1.0	50	1.0	-3.5	0	5
BZT52C2V7	W1	2.7	2.5	2.9	5.0	100	600	1.0	20	1.0	-3.5	0	5
BZT52C3V0	W2	3.0	2.8	3.2	5.0	95	600	1.0	10	1.0	-3.5	0	5
BZT52C3V3	W3	3.3	3.1	3.5	5.0	95	600	1.0	5	1.0	-3.5	0	5
BZT52C3V6	W4	3.6	3.4	3.8	5.0	90	600	1.0	5	1.0	-3.5	0	5
BZT52C3V9	W5	3.9	3.7	4.1	5.0	90	600	1.0	3	1.0	-3.5	0	5
BZT52C4V3	W6	4.3	4.0	4.6	5.0	90	600	1.0	3	1.0	-3.5	0	5
BZT52C4V7	W7	4.7	4.4	5.0	5.0	80	500	1.0	3	2.0	-3.5	0.2	5
BZT52C5V1	W8	5.1	4.8	5.4	5.0	60	480	1.0	2	2.0	-2.7	1.2	5
BZT52C5V6	W9	5.6	5.2	6.0	5.0	40	400	1.0	1	2.0	-2.0	2.5	5
BZT52C6V2	WA	6.2	5.8	6.6	5.0	10	150	1.0	3	4.0	0.4	3.7	5
BZT52C6V8	WB	6.8	6.4	7.2	5.0	15	80	1.0	2	4.0	1.2	4.5	5
BZT52C7V5	WC	7.5	7.0	7.9	5.0	15	80	1.0	1	5.0	2.5	5.3	5
BZT52C8V2	WD	8.2	7.7	8.7	5.0	15	80	1.0	0.7	5.0	3.2	6.2	5
BZT52C9V1	WE	9.1	8.5	9.6	5.0	15	100	1.0	0.5	6.0	3.8	7	5
BZT52C10	WF	10.0	9.4	10.6	5.0	20	150	1.0	0.2	7.0	4.5	8	5
BZT52C11	WG	11.0	10.4	11.6	5.0	20	150	1.0	0.1	8.0	5.4	9	5
BZT52C12	WH	12.0	11.4	12.7	5.0	25	150	1.0	0.1	8.0	6.0	10	5
BZT52C13	WI	13.0	12.4	14.1	5.0	30	170	1.0	0.1	8.0	7.0	11	5
BZT52C15	WJ	15.0	13.8	15.6	5.0	30	200	1.0	0.1	10.5	9.2	13	5
BZT52C16	WK	16.0	15.3	17.1	5.0	40	200	1.0	0.1	11.2	10.4	14	5
BZT52C18	WL	18.0	16.8	19.1	5.0	45	225	1.0	0.1	12.6	12.4	16	5
BZT52C20	WM	20.0	18.8	21.2	5.0	55	225	1.0	0.1	14.0	14.4	18	5
BZT52C22	WN	22.0	20.8	23.3	5.0	55	250	1.0	0.1	15.4	16.4	20	5
BZT52C24	WO	24.0	22.8	25.6	5.0	70	250	1.0	0.1	16.8	18.4	22	5
BZT52C27	WP	27.0	25.1	28.9	2.0	80	300	0.5	0.1	18.9	21.4	25.3	2
BZT52C30	WQ	30.0	28.0	32.0	2.0	80	300	0.5	0.1	21.0	24.4	29.4	2
BZT52C33	WR	33.0	31.0	35.0	2.0	80	325	0.5	0.1	23.1	27.4	33.4	2
BZT52C36	WS	36.0	34.0	38.0	2.0	90	350	0.5	0.1	25.2	30.4	37.4	2
BZT52C39	WT	39.0	37.0	41.0	2.0	130	350	0.5	0.1	27.3	33.4	41.2	2
BZT52C43	WU	43.0	40.0	46.0	2.0	100	700	1.0	0.1	32.0	10.0	12	5
BZT52C47	WV	47.0	44.0	50.0	2.0	100	750	1.0	0.1	35.0	10.0	12	5
BZT52C51	WW	51.0	48.0	54.0	2.0	125	750	1.0	0.1	38.0	10.0	12	5
BZT52C56	XW	56.0	52.0	60.0	2.0	135	700	1.0	0.1	39.0	10.0	12	5