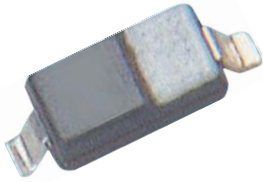


Diode Zener



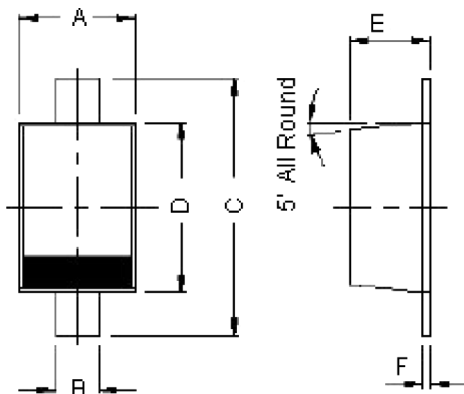
Absolute Maximum Ratings:

Description	Symbol	Value	Unit
Forward Voltage Drop at I_F 10mA	V_F	0.9	V
Power Dissipation at 25°C	* P_D	410	mW
Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Superimposed on Rated Load	** I_{FSM}	2	A
Operating Junction and Storage Temperature Range	T_J	-55 to +150	°C

* Mounted on 5mm² (0.13mm thick) land areas

** Measured on 8.3ms, single half sine-wave or equivalent square wave, duty cycle=4 pulses per minute maximum

Package SOD - 123 FL



Cathode is Marked by Band

Dimension	Minimum	Maximum
A	1.55	1.65
B	0.5	0.6
C	3.7	3.9
D	2.6	2.7
E	1.05	1.15
F	0.127	0.135

Dimensions : Millimetres

Diode Zener



Electrical Characteristics ($T_a=25^\circ\text{C}$ unless specified otherwise) V_F at $10\text{mA}<0.9\text{V}$

Zener Voltage			Zener Impedance				Reverse Leakage Current		Marking Code	Part Number
V_Z at I_{ZT}			Z_{ZT} at I_{ZT}		Z_{ZK} at I_{ZK}		I_R at V_R			
Nom	Min	Max	(Ω)	(mA)	(Ω)	(mA)	(μA)	(V)		
4.7	4.47	4.94	78	5	500	1	5	1	W8	BZT52C4V7
5.1	4.85	5.36	60		480		0.8	W9	BZT52C5V1	
5.6	5.32	5.88	40		400		1	WA	BZT52C5V6	
6.2	5.89	6.51	10		200		2	WB	BZT52C6V2	
7.5	7.13	7.88	7		50		5	WD	BZT52C7V5	
8.2	7.79	8.61	7				6	WE	BZT52C8V2	
9.1	8.65	9.56	10		70		7	WF	BZT52C9V1	
10	9.50	10.5	15				7.5	WG	BZT52C10	
11	10.45	11.55	20		90		8.5	WH	BZT52C11	
12	11.4	12.6	20		110		9	WI	BZT52C12	
13	12.35	13.65	25				10	WK	BZT52C13	
15	14.25	15.75	30		170		11	WL	BZT52C15	
16	15.2	16.8	40				12	WM	BZT52C16	
18	17.1	18.9	50		220		14	WN	BZT52C18	
20	19	21	50				15	WO	BZT52C20	
22	20.9	23.1	55		250		17	WP	BZT52C22	
24	22.8	25.2	80				18	WR	BZT52C24	
27	25.65	28.35	80		300		20	WS	BZT52C27	
30	28.5	31.5	80				22.5	WT	BZT52C30	
33	31.35	34.65	80		300		25	WU	BZT52C33	
36	34.2	37.8	90				27	WW	BZT52C36	
39	37.05	40.95	90				29	WX	BZT52C39	

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