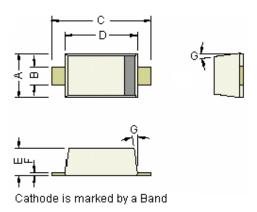
SURFACE MOUNT SILICON ZENER DIODE





SOD-323 Plastic Package



Dimensions: Millimetres

Dimensions	Minimum	Maximum		
А	1.15	1.35		
В	0.25	0.40		
С	2.30	2.80		
D	1.60	1.80		
E	0.80	1.10		
F	0.00 0.15			
G	5°			

Dimensions: Millimetres

Absolute Maximum Ratings

Description	Symbol	Value	Unit
Maximum Forward Voltage Drop at I _F = 10mA	V _F	0.9	V
Power Dissipation at 25°C	*P _D	200	mW
Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Superimposed on Rated Load	**I _{FSM}	2.0	А
Operating Junction and Storage Temperature Range	T _j	- 55 to +150	°C

Notes: 1. *Mounted on 5.0mm² (0.13mm thick) land areas.

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

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Electrical Characteristics (T_A=25°C unless specified otherwise) V_F at 10mA <0.9V

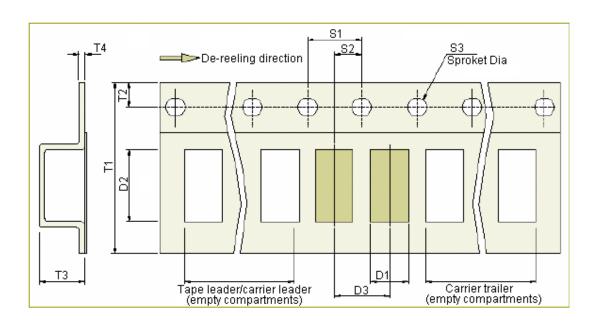
	Zener '	Voltage	Zener Impedance			Reverse	Reverse Leakage		
Marking Code V _Z at I _{ZT}		at I _{ZT}	Z _{ZT} at I _{ZT}		Z _{ZK} at I _{ZK}		I _R at V _R		
warking Code	()	V)	(Ω)	(mA)	(Ω)	(mA)	(μΑ)	2.0	
	Minimum	Maximum	Maximum		Maximum		Maximum	(V)	
W1	2.28	2.52	85				100		
W2	2.57	2.84	83		500		75		
W3	2.85	3.15					50	1.0	
W4	3.14	3.47	•				25		
W5	3.42	3.78	95		500		15		
W6	3.71	4.10					10		
W7	4.09	4.52	•				5.0		
W8	4.47	4.94	78					2.0	
W9	4.85	5.36	60		480			0.8	
WA	5.32	5.88	40		400			1.0	
WB	5.89	6.51	10		200			2.0	
WC	6.46	7.14	8		150	1.0		3.0	
WD	7.13	7.88	7		50			5.0	
WE	7.79	8.61	7					6.0	
WF	8.65	9.56	10	5.0				7.0	
WG	9.50	10.50	15	5.0	70			7.5	
WH	10.45	11.55	20		70			8.5	
WI	11.40	12.60	20		90		-	9.0	
WK	12.35	13.65	25		110			10	
WL	14.25	15.75	30		110		0.1	11	
WM	15.20	16.80	40		470			12	
WN	17.10	18.90	50		170			14	
WO	19.00	21.00	50					15	
WP	20.90	23.10	55		220			17	
WR	22.80	25.20						18	
WS	25.65	28.35	00				-	20	
WT	28.50	31.50	80		050			22.5	
WU	31.35	34.65			250			25	
WW	34.20	37.80	00					27	
WX	37.05	40.95	90		300			29	

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SURFACE MOUNT SILICON ZENER DIODE





SMD Tape Specifications (8-12 mm)

Device	D1	D2	D3	T1	T2	T3 (Maximum)	T4 (Maximum)	S1	S2	S3
SOD-323	2.3 ±0.1	3.5 ±0.1	4.0 ±0.1	8.3 ±0.1	1.75 ±0.1	2.26	0.26	4.0 ±0.1	2.0 ±0.1	1.5 ±0.1

Dimensions: Millimetres

Packaging Specifications

Package/Case	Packaging	Standard Packing	Inner Carbon			Outer Carbon			
Туре	Туре	Quantity	Quantity Size (L x W x H) (cm)		Gross Weight (kg)	Qty	Size (L x W x H) (cm)	Gross Weight (kg)	
SMD Glass/Plastic Packages									
COD 222	T&R	3,000	15K	19 x 19 x 8	1.0	45K	23 x 23 x 23	2.9	
SOD-323	T&R	10,000	50K	33 x 33 x 1.3	2.6	300K	48 x 48 x 51	17.4	

Notes: T & A: Tape and Ammo Pack; T & R: Tape and Reel; Bulk: Loose in Poly Bags; Tube: Tube and Carton; K: 1,000



SURFACE MOUNT SILICON ZENER DIODE multicomp



Part Number Table

Description	Part Number
	BZT52C2V4S
	BZT52C2V7S
	BZT52C3V0S
	BZT52C3V3S
	BZT52C3V6S
	BZT52C3V9S
	BZT52C4V3S
	BZT52C4V7S
DIODE ZENED 0.3W SOD 222	BZT52C5V1S
DIODE, ZENER 0.2W SOD-323	BZT52C5V6S
	BZT52C6V2S
	BZT52C6V8S
	BZT52C7V5S
	BZT52C8V2S
	BZT52C9V1S
	BZT52C10S
	BZT52C11S
	BZT52C12S
	BZT52C13S
	BZT52C15S
	BZT52C16S
	BZT52C218S
	BZT52C20S
DIODE, ZENER 0.2W SOD-323	BZT52C22S
DIODE, ZEINEIN U.ZWV GOD-323	BZT52C24S
	BZT52C27S
	BZT52C30S
	BZT52C33S
	BZT52C36S
	BZT52C39S

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