



# MM3Z2V0BW thru MM3Z75BW

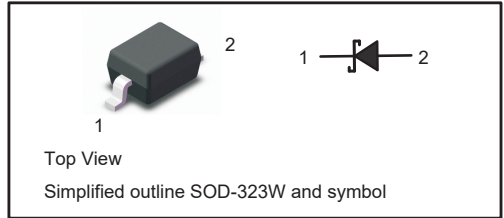
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## Features

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## PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



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DUFUa YĤĤf	Gna Vc`	JUi Y	I b]h
Power Dissipation	$P_D$	300	mW
Junction Temperature	$T_J$	150	°C
Storage Temperature Range	$T_{STG}$	- 55 to + 150	°C

## 7 \ UFUWĤf]gh]Vg`UhH5`1`& )`C7`

DUFUa YĤĤf`	Gna Vc`	A U`	I b]h
Thermal Resistance Junction to Ambient Air <sup>(1)</sup>	$R_{\theta JA}$	417	°C/W
Forward Voltage at $I_F = 10 \text{ mA}$	$V_F$	0.9	V

Note: FÉ@!{ cāĀ • ā ēā & ^Ā [ { Ā } & cā } Ā Ā ē āā } cāĀÜĒÖĒ [ ~ } cāĀ āÖĒĀYĒĒĒĒ ĀĀ & D& ] ] ^!Āē ēēĀ ēēĒĒĒ



# MM3Z2V0BW thru MM3Z75BW

## Silicon Planar Zener Diodes

### Electrical Characteristics

Ratings at  $T_A = 25^\circ\text{C}$  ambient temperature unless otherwise specified.

Type	Zener Voltage Range <sup>Note1</sup>			$I_{ZT}$	Dynamic Impedance	Reverse Current	
	$V_{ZT}$ ( at $I_{ZT}$ )				$Z_{ZT}$ ( at $I_{ZT}$ )	$I_R$	at $V_R$
	Min ( V )	Nom ( V )	Max ( V )	(mA)	Max ( $\Omega$ )	Max ( $\mu\text{A}$ )	( V )
MM3Z2V0BW	1.96	2.0	2.04	5	100	120	0.5
MM3Z2V2BW	2.16	2.2	2.24	5	100	120	0.7
MM3Z2V4BW	2.35	2.4	2.45	5	100	120	1
MM3Z2V7BW	2.65	2.7	2.75	5	110	120	1
MM3Z3V0BW	2.94	3.0	3.06	5	120	50	1
MM3Z3V3BW	3.23	3.3	3.37	5	130	20	1
MM3Z3V6BW	3.53	3.6	3.67	5	130	10	1
MM3Z3V9BW	3.82	3.9	3.98	5	130	5	1
MM3Z4V3BW	4.21	4.3	4.39	5	130	5	1
MM3Z4V7BW	4.61	4.7	4.79	5	130	2	1
MM3Z5V1BW	5	5.1	5.2	5	130	2	1.5
MM3Z5V6BW	5.49	5.6	5.71	5	80	1	2.5
MM3Z6V2BW	6.08	6.2	6.32	5	50	1	3
MM3Z6V8BW	6.66	6.8	6.94	5	30	0.5	3.5
MM3Z7V5BW	7.35	7.5	7.65	5	30	0.5	4
MM3Z8V2BW	8.04	8.2	8.36	5	30	0.5	5
MM3Z9V1BW	8.92	9.1	9.28	5	30	0.5	6
MM3Z10BW	9.8	10	10.2	5	30	0.1	7
MM3Z11BW	10.78	11	11.22	5	30	0.1	8
MM3Z12BW	11.76	12	12.24	5	35	0.1	9
MM3Z13BW	12.74	13	13.26	5	35	0.1	10
MM3Z15BW	14.7	15	15.3	5	40	0.1	11
MM3Z16BW	15.68	16	16.32	5	40	0.1	12
MM3Z18BW	17.64	18	18.36	5	45	0.1	13
MM3Z20BW	19.6	20	20.4	5	50	0.1	15
MM3Z22BW	21.56	22	22.44	5	55	0.1	17
MM3Z24BW	23.52	24	24.48	5	60	0.1	19
MM3Z27BW	26.46	27	27.54	2	70	0.1	21
MM3Z30BW	29.4	30	30.60	2	80	0.1	23
MM3Z33BW	32.34	33	33.66	2	80	0.1	25
MM3Z36BW	35.28	36	36.72	2	90	0.1	27
MM3Z39BW	38.22	39	39.78	2	100	0.1	30
MM3Z43BW	42.14	43	43.86	2	130	0.1	33
MM3Z47BW	46.06	47	47.94	2	150	0.1	36
MM3Z51BW	49.98	51	52.02	2	180	0.1	39
MM3Z56BW	54.88	56	57.12	2	200	0.1	43
MM3Z62BW	60.76	62	63.24	2	215	0.1	47
MM3Z68BW	66.64	68	69.36	2	240	0.1	52
MM3Z75BW	73.5	75	76.5	2	265	0.1	56

Note:1.  $V_{ZT}$  is tested with pulses (20 ms)



### Ratings and Characteristic Curves

Fig.1 Maximum Continuous Power Derating

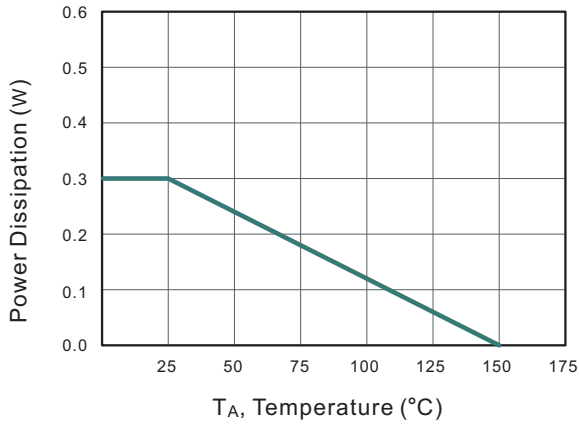
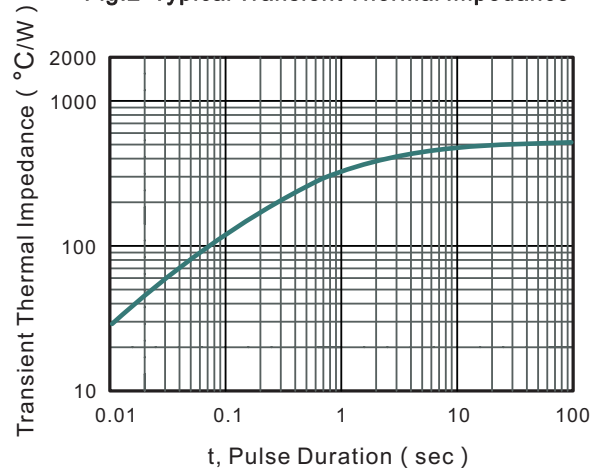


Fig.2 Typical Transient Thermal Impedance





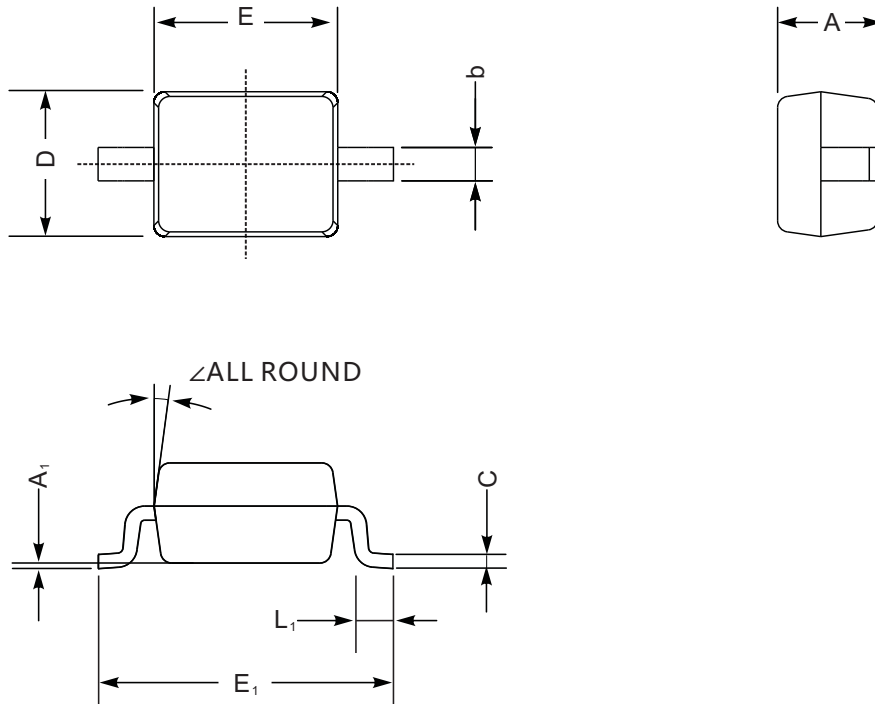
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## Silicon Planar Zener Diodes

### Package Outline

SOD-323W

Dimensions in mm



SOD-323W mechanical data

UNIT		A	C	D	E	E <sub>1</sub>	b	L <sub>1</sub>	A <sub>1</sub>	∠
mm	max	1.1	0.15	1.4	1.8	2.75	0.4	0.45	0.2	9°
	min	0.8	0.08	1.2	1.4	2.55	0.25	0.2	—	
mil	max	43	5.9	55	70	108	16	16	8	
	min	32	3.1	47	63	100	9.8	7.9	—	