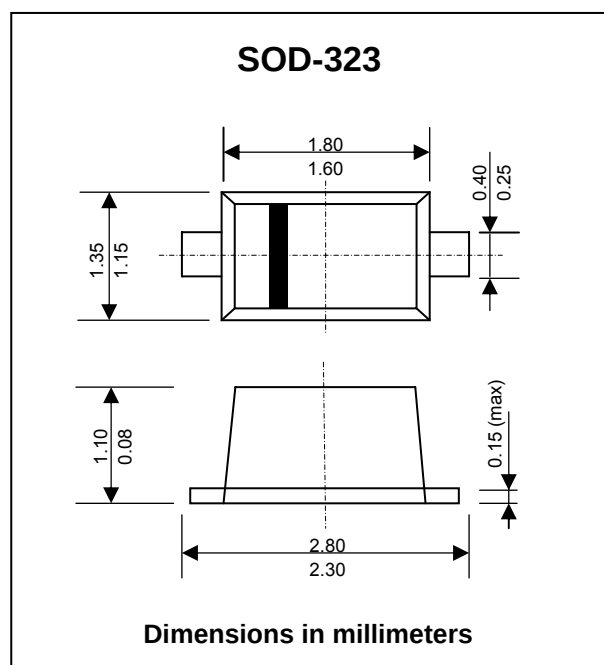


MM3ZF3V6B~MM3ZF39B

Features

- Total power dissipation : max. 500 mW
- Small plastic package suitable for surface mounted design

ZENER DIODES



Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Power Dissipation	P_{tot}	500	mW
Junction Temperature	T_j	- 55 to + 150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 10 \text{ mA}$	V_F	0.9	V

ELECTRICAL CHARACTERISTICS

Characteristics at $T_a = 25^\circ\text{C}$

Type	Marking Code	Zener Voltage Range ¹⁾			Dynamic Impedance		Reverse Leakage Current	
		V_{ZT}		at I_{ZT}	Z_{ZT}	at I_{ZT}	I_R	at V_R
		Min. (V)	Max. (V)	(mA)	Max. (Ω)	(mA)	Max. (μA)	(V)
MM3ZF3V6B	A71	3.6	3.845	20	60	20	10	1
MM3ZF3V9B	B71	3.89	4.16	20	50	20	5	1
MM3ZF4V3B	C71	4.17	4.43	20	40	20	5	1
MM3ZF4V7B	D71	4.55	4.8	20	25	20	5	1
MM3ZF5V1B	E71	4.94	5.2	20	20	20	5	1.5
MM3ZF5V6B	6G	5.45	5.73	20	13	20	5	2.5
MM3ZF6V2B	F71	5.96	6.27	20	10	20	5	3
MM3ZF6V8B	G71	6.49	6.83	20	8	20	2	3.5
MM3ZF7V5B	H71	7.07	7.45	20	8	20	0.5	4
MM3ZF8V2B	J71	7.78	8.19	20	8	20	0.5	5
MM3ZF9V1B	K71	8.57	9.01	20	8	20	0.5	6
MM3ZF10B	L71	9.41	9.9	20	8	20	0.2	7
MM3ZF11B	M71	10.5	11.05	10	10	10	0.2	8
MM3ZF12B	N71	11.44	12.03	10	12	10	0.2	9
MM3ZF13B	P71	12.55	13.21	10	14	10	0.2	10
MM3ZF15B	Q71	13.89	14.62	10	16	10	0.2	11
MM3ZF16B	R71	15.25	16.04	10	18	10	0.2	12
MM3ZF18B	S71	16.82	17.7	10	23	10	0.2	13
MM3ZF20B	T71	18.63	19.59	10	28	10	0.2	15
MM3ZF22B	U71	20.64	21.71	5	30	5	0.2	17
MM3ZF24B	V71	22.61	23.77	5	35	5	0.2	19
MM3ZF27B	W71	24.97	26.26	5	45	5	0.2	21
MM3ZF30B	X71	27.7	29.13	5	55	5	0.2	23
MM3ZF33B	Y71	30.32	31.88	5	65	5	0.2	25
MM3ZF36B	Z71	32.79	34.49	5	75	5	0.2	27
MM3ZF39B	A81	35.36	37.19	5	85	5	0.2	30

¹⁾ V_{ZT} is measured 20 ms after power is supplied.

