

PTZ3.6B - PTZ36B

SURFACE MOUNT SILICON ZENER DIODES

V_Z : 3.6 - 36 V

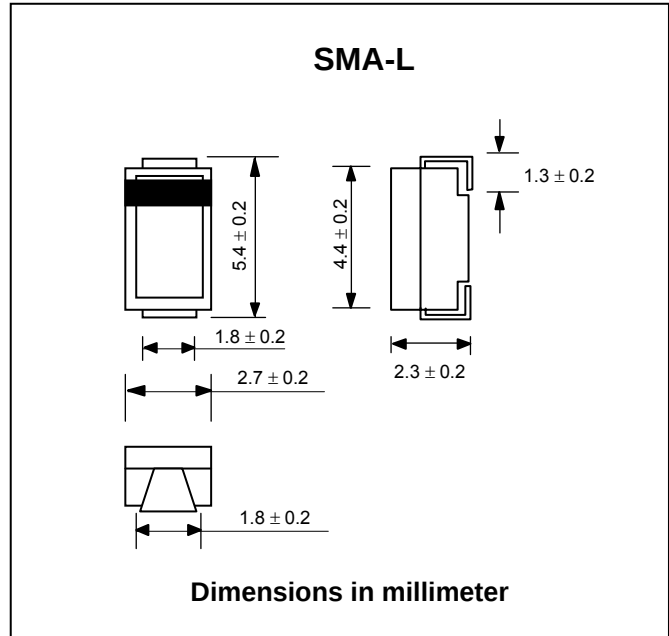
P_D : 1.0 W

FEATURES :

- * High peak reverse power dissipation
- * High reliability
- * Low leakage current
- * Pb / RoHS Free

MECHANICAL DATA :

- * Case : SMA-L Molded plastic
- * Epoxy : UL94V-O rate flame retardant
- * Polarity : Color band denotes cathode end
- * Mounting position : Any
- * Weight : 0.060 gram (Approximately)

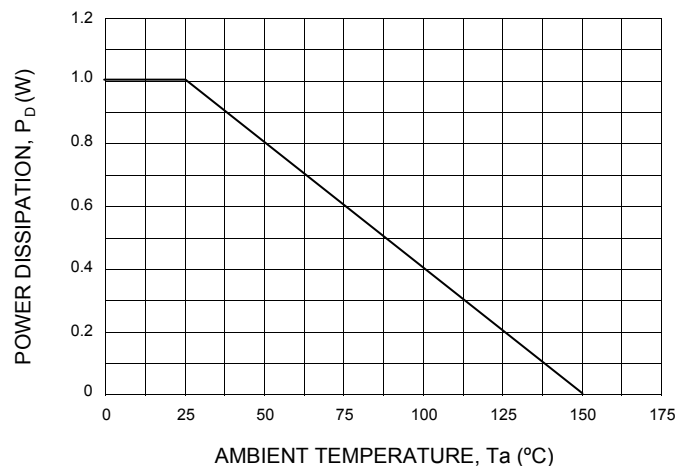


MAXIMUM RATINGS

Rating at 25 °C ambient temperature unless otherwise specified

Rating	Symbol	Value	Unit
Power Dissipation	P_D	1.0	W
Junction Temperature	T_J	150	°C
Storage Temperature Range	T_{STG}	- 55 to + 150	°C

Fig. 1 POWER TEMPERATURE DERATING CURVE



ELECTRICAL CHARACTERISTICS (Ta = 25 °C)

Type	Zener Voltage			Test Current I_{ZT}	Maximum Zener Impedance		Maximum Reverse Current		Typical Temperature Coefficient	
	V_Z (V)				Z_Z	@ I_Z	I_R	@ V_R	γ_Z	I_Z
	MIN.	TYP.	MAX.	(mA)	(Ω)	(mA)	(μ A)	(V)	(mV/°C)	(mA)
PTZ3.6B	3.6	3.813	4.00	40	15	40	60	1.0	-2.8	40
PTZ3.9B	3.9	4.136	4.40	40	15	40	40	1.0	-2.4	40
PTZ4.3B	4.3	4.572	4.80	40	15	40	20	1.0	-2.1	40
PTZ4.7B	4.7	4.924	5.20	40	10	40	20	1.0	-1.7	40
PTZ5.1B	5.1	5.368	5.70	40	8	40	20	1.5	-0.6	40
PTZ5.6B	5.6	5.856	6.30	40	8	40	20	2.5	1.4	40
PTZ6.2B	6.2	6.509	7.00	40	6	40	20	3.0	2.5	40
PTZ6.8B	6.8	7.280	7.70	40	6	40	20	3.5	3.2	40
PTZ7.5B	7.5	7.889	8.40	40	4	40	20	4.0	4.2	40
PTZ8.2B	8.2	8.655	9.30	40	4	40	20	5.0	5.0	40
PTZ9.1B	9.1	9.747	10.2	40	6	40	20	6.0	5.9	40
PTZ10B	10	10.31	11.2	40	6	40	10	7.0	6.9	40
PTZ11B	11	11.51	12.3	20	8	20	10	8.0	7.9	20
PTZ12B	12	12.50	13.5	20	8	20	10	9.0	8.7	20
PTZ13B	13	13.82	15.0	20	10	20	10	10.0	10.1	20
PTZ15B	14	15.35	16.5	20	10	20	10	11.0	11.8	20
PTZ16B	16	16.86	18.3	20	12	20	10	12.0	13.3	20
PTZ18B	18	19.00	20.3	20	12	20	10	13.0	15.0	20
PTZ20B	20	20.82	22.4	20	14	20	10	15.0	17.4	20
PTZ22B	22	23.85	24.5	10	14	10	10	17.0	19.4	10
PTZ24B	24	25.31	27.6	10	16	10	10	19.0	21.6	10
PTZ27B	27	28.70	30.8	10	16	10	10	21.0	24.6	10
PTZ30B	30	31.57	34.0	10	18	10	10	23.0	27.5	10
PTZ33B	33	34.95	37.0	10	18	10	10	25.0	30.8	10
PTZ36B	36	39.24	40.0	10	20	10	10	27.0	37.0	10

Note :

(1) The Zener Voltage V_Z is measured 40 ms after power is supplied.