

Zener diode

EDZV series

●Applications

Constant voltage control

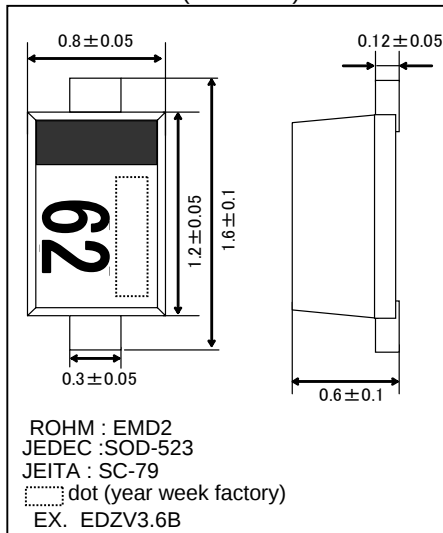
●Features

- 1) Compact, 2-pin mini-mold type for high-density mounting. (EMD2)
- 2) High reliability.
- 3) Can be mounted automatically, using chip mounter.

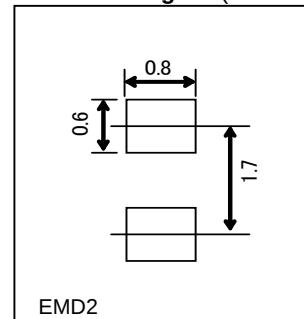
●Construction

Silicon epitaxial planar

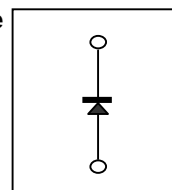
●Dimensions (Unit : mm)



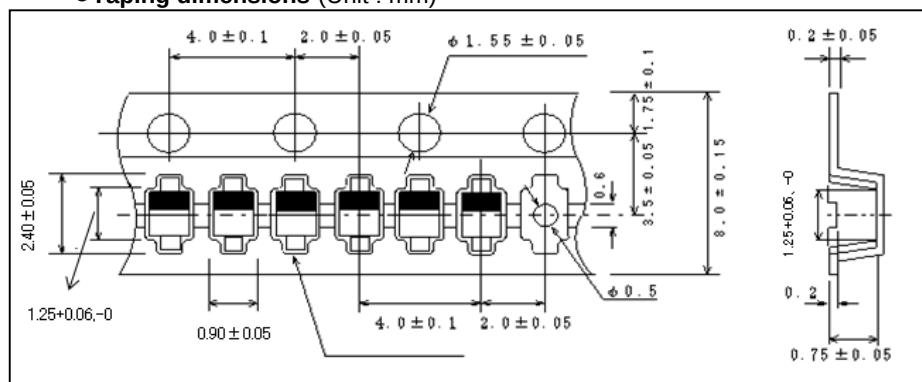
●Land size figure (Unit : mm)



● Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation	P	150	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C
Operating temperature	T _{opr}	-55 to +150	°C

●Electrical characteristics (Ta=25°C)

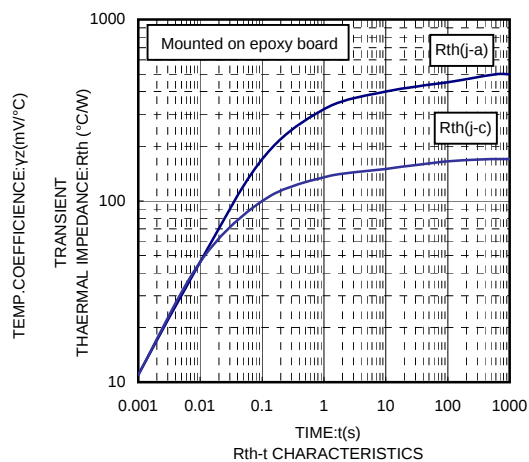
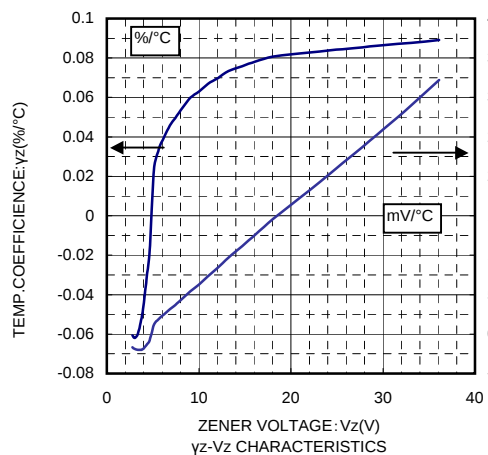
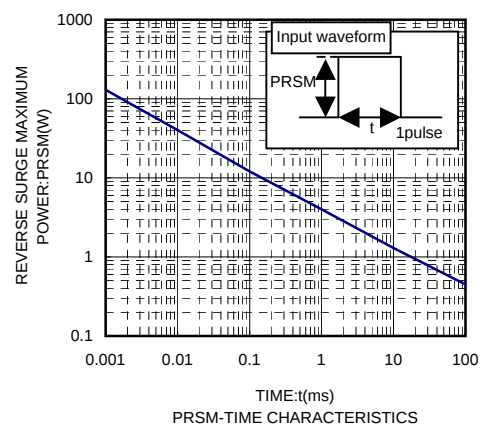
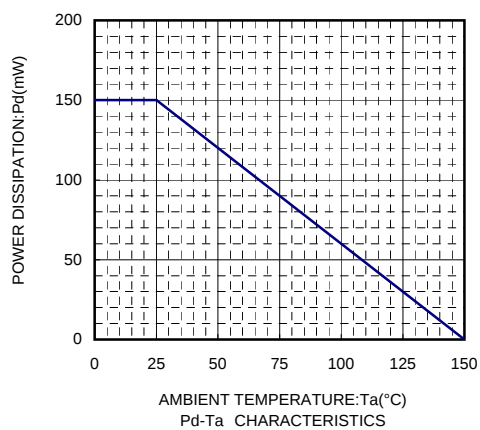
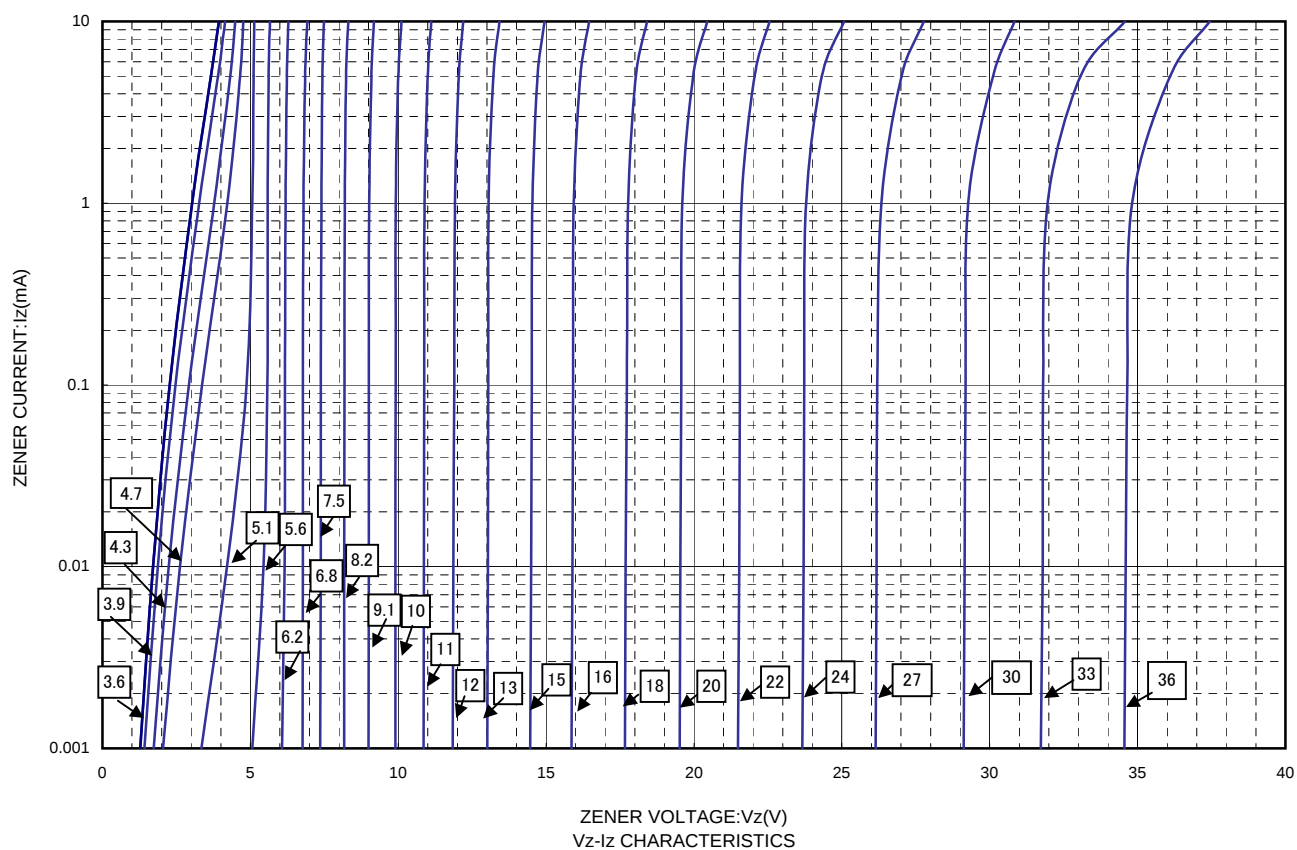
TYP.	Symbol								
	Zener voltage : Vz(V)			Operating resistance : Zz(Ω)		Rising operataing resistance : Zz(Ω)		Reverse current : Ir(μA)	
	MIN.	MAX.	Iz(mA)	MAX.	Iz(mA)	MAX.	Iz(mA)	MAX.	V _R (V)
EDZV 3.6B	3.600	3.845	5.0	100	5.0	1000	1.0	10.0	1.0
EDZV 3.9B	3.890	4.160	5.0	100	5.0	1000	1.0	5.0	1.0
EDZV 4.3B	4.170	4.430	5.0	100	5.0	1000	1.0	5.0	1.0
EDZV 4.7B	4.550	4.750	5.0	100	5.0	800	0.5	2.0	1.0
EDZV 5.1B	4.980	5.200	5.0	80	5.0	500	0.5	2.0	1.5
EDZV 5.6B	5.490	5.730	5.0	60	5.0	200	0.5	1.0	2.5
EDZV 6.2B	6.060	6.330	5.0	60	5.0	100	0.5	1.0	3.0
EDZV 6.8B	6.650	6.930	5.0	40	5.0	60	0.5	0.5	3.5
EDZV 7.5B	7.280	7.600	5.0	30	5.0	60	0.5	0.5	4.0
EDZV 8.2B	8.020	8.360	5.0	30	5.0	60	0.5	0.5	5.0
EDZV 9.1B	8.850	9.230	5.0	30	5.0	60	0.5	0.5	6.0
EDZV 10B	9.770	10.210	5.0	30	5.0	60	0.5	0.1	7.0
EDZV 11B	10.760	11.220	5.0	30	5.0	60	0.5	0.1	8.0
EDZV 12B	11.740	12.240	5.0	30	5.0	80	0.5	0.1	9.0
EDZV 13B	12.910	13.490	5.0	37	5.0	80	0.5	0.1	10.0
EDZV 15B	14.340	14.980	5.0	42	5.0	80	0.5	0.1	11.0
EDZV 16B	15.850	16.510	5.0	50	5.0	80	0.5	0.1	12.0
EDZV 18B	17.560	18.350	5.0	65	5.0	80	0.5	0.1	13.0
EDZV 20B	19.520	20.390	5.0	85	5.0	100	0.5	0.1	15.0
EDZV 22B	21.540	22.470	5.0	100	5.0	100	0.5	0.1	17.0
EDZV 24B	23.720	24.780	5.0	120	5.0	120	0.5	0.1	19.0
EDZV 27B	26.190	27.530	2.0	150	2.0	150	0.5	0.1	21.0
EDZV 30B	29.190	30.690	2.0	200	2.0	200	0.5	0.1	23.0
EDZV 33B	32.150	33.790	2.0	250	2.0	250	0.5	0.1	25.0
EDZV 36B	35.070	36.870	2.0	300	2.0	300	0.5	0.1	27.0

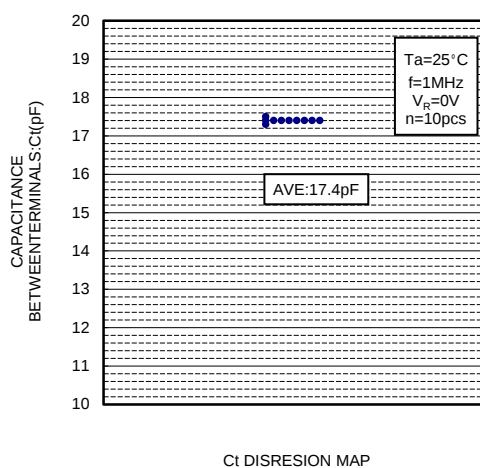
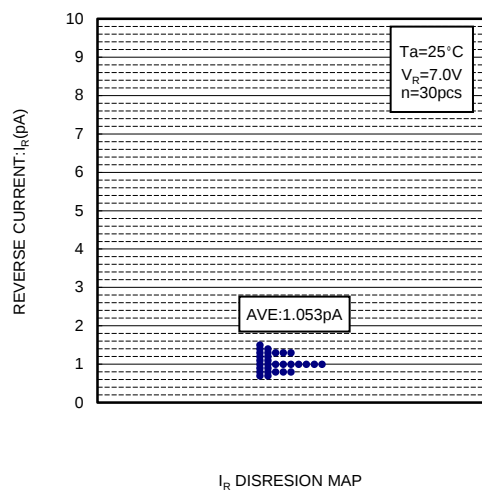
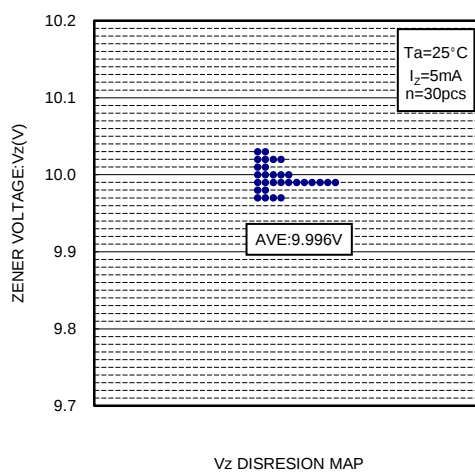
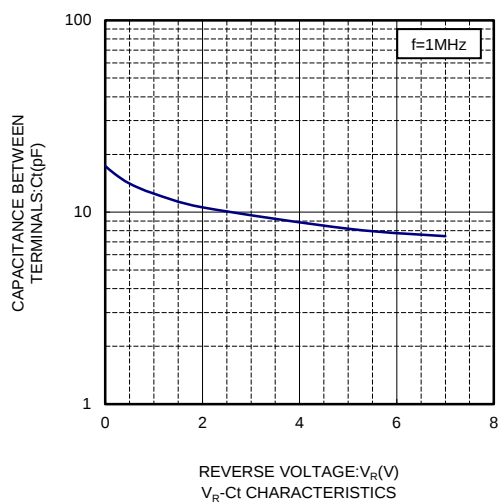
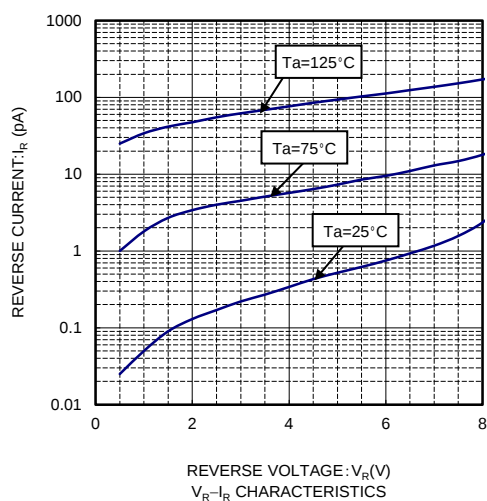
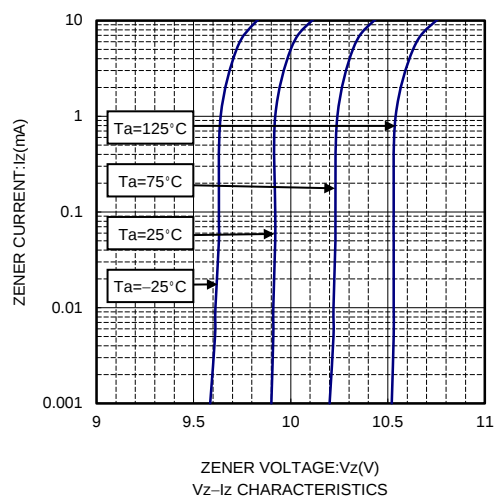
(1) The zener voltage(Vz) is measured 40ms after power is supplied.

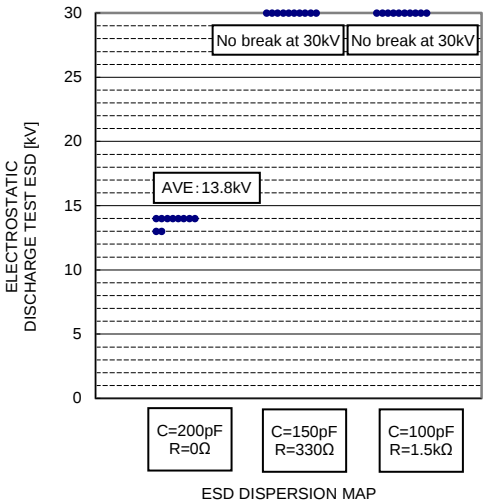
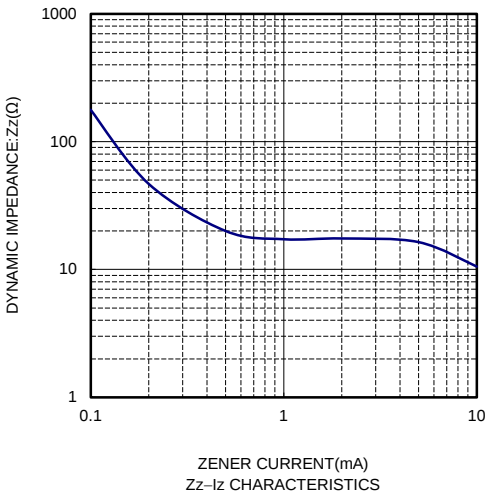
(2) The operating resistances(Zz,Zzk) are measured by superimposing a minute alternating current on the regulated current(Iz)

●MARKING (Type No.)

TYPE	TYPE NO.	TYPE	TYPE NO.
EDZV 3.6B	6 2	EDZV 12B	2 5
EDZV 3.9B	7 2	EDZV 13B	3 5
EDZV 4.3B	8 2	EDZV 15B	4 5
EDZV 4.7B	9 2	EDZV 16B	5 5
EDZV 5.1B	A 2	EDZV 18B	6 5
EDZV 5.6B	C 2	EDZV 20B	7 5
EDZV 6.2B	E 2	EDZV 22B	8 5
EDZV 6.8B	F 2	EDZV 24B	9 5
EDZV 7.5B	H 2	EDZV 27B	A 5
EDZV 8.2B	J 2	EDZV 30B	C 5
EDZV 9.1B	L 2	EDZV 33B	E 5
EDZV 10B	0 5	EDZV 36B	F 5
EDZV 11B	1 5		







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