Zener Diode

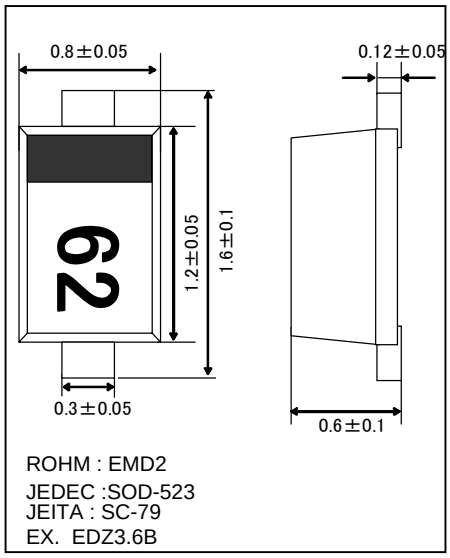
EDZ15B

●Applications
Constant voltage control

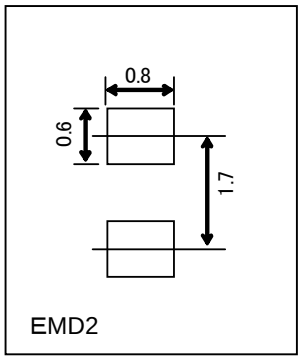
●Features
1)2-pin ultra mini-mold type for high-density mounting (EMD2)
2) High reliability
3)Can be mounted automatically,using chip mounter.

●Construction
Silicon epitaxial planer

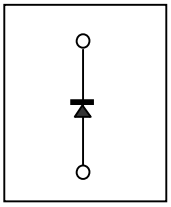
●Dimensions (Unit : mm)



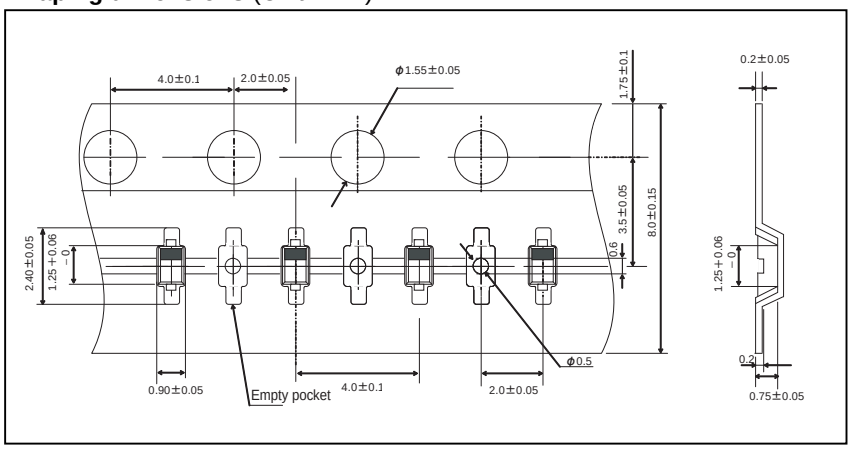
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation	P	150	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C
Operating temperature	Topr	-55 to +150	°C

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●**Electical voltage** (Ta=25°C)

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

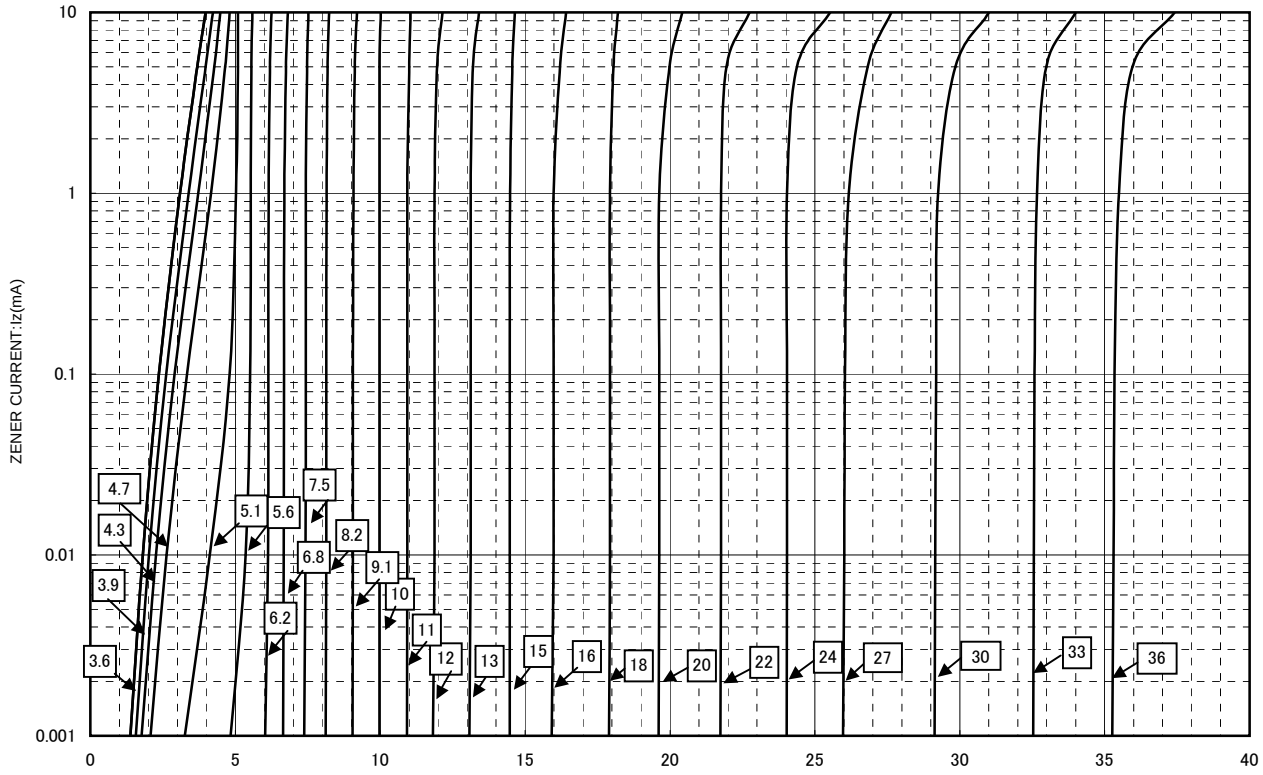
(1)The zener voltage(Vz) is measured 40ms after power is supplied.

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

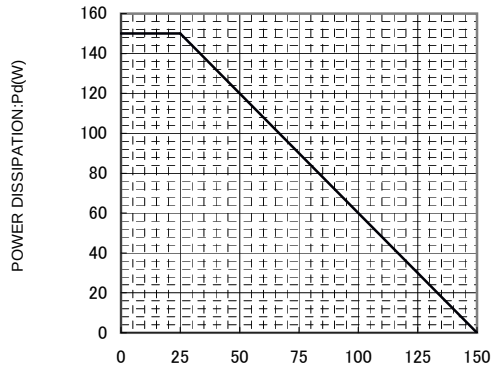
●**MARKING** (Type No.)

TYPE	TYPE NO.	TYPE	TYPE NO.
EDZ 3.6B	62	EDZ 12B	25
EDZ 3.9B	72	EDZ 13B	35
EDZ 4.3B	82	EDZ 15B	45
EDZ 4.7B	92	EDZ 16B	55
EDZ 5.1B	A2	EDZ 18B	65
EDZ 5.6B	C2	EDZ 20B	75
EDZ 6.2B	E2	EDZ 22B	85
EDZ 6.8B	F2	EDZ 24B	95
EDZ 7.5B	H2	EDZ 27B	A5
EDZ 8.2B	J2	EDZ 30B	C5
EDZ 9.1B	L2	EDZ 33B	E5
EDZ 10B	05	EDZ 36B	F5
EDZ 11B	15		

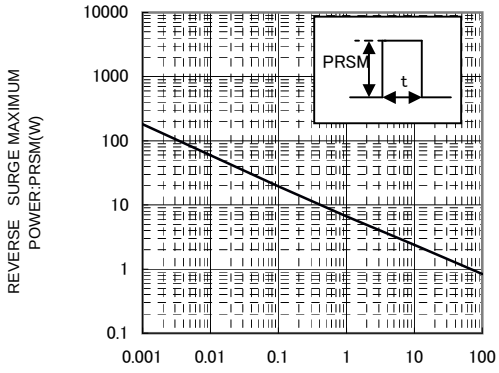
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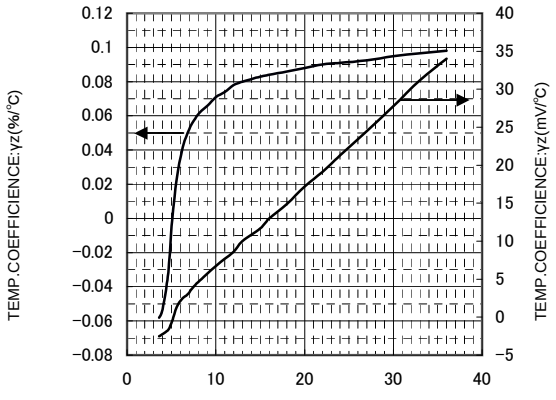
Vz-Iz CHARACTERISTICS



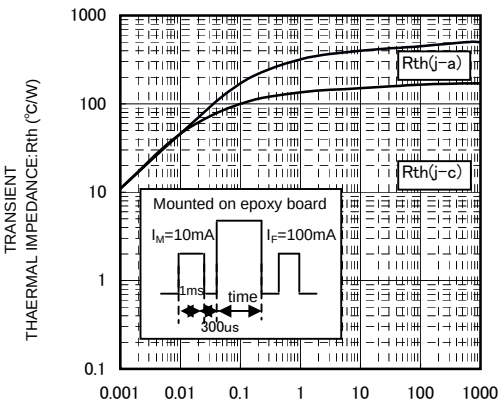
Pd-Ta CHARACTERISTICS



PRSM-TIME CHARACTERISTICS

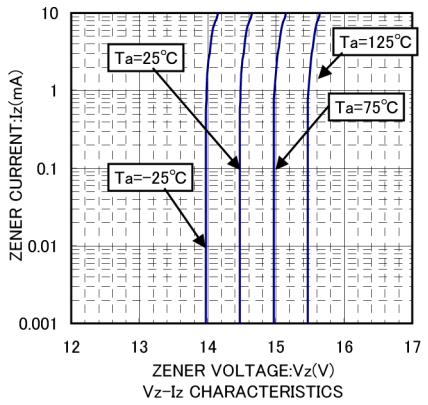


γz-Vz CHARACTERISTICS

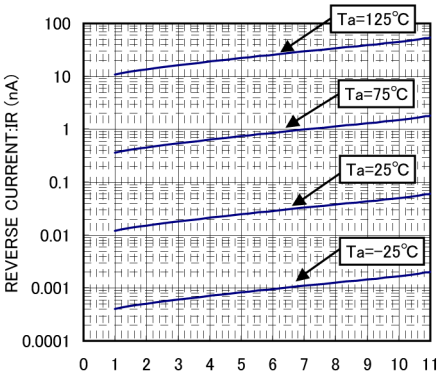


Rth-t CHARACTERISTICS

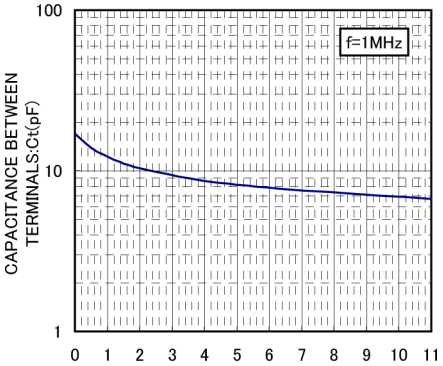
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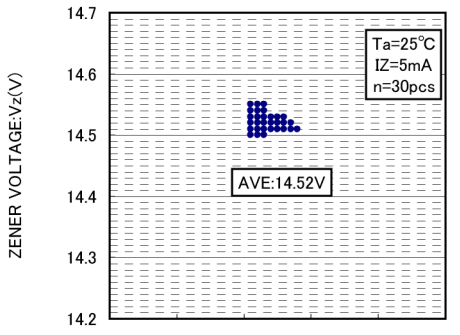
Vz–Iz CHARACTERISTICS



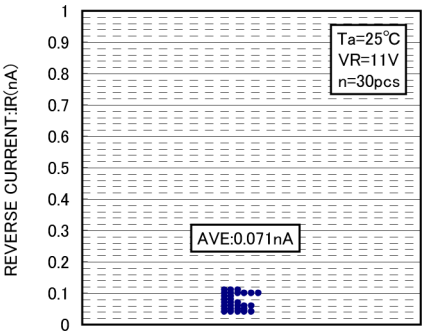
VR–IR CHARACTERISTICS



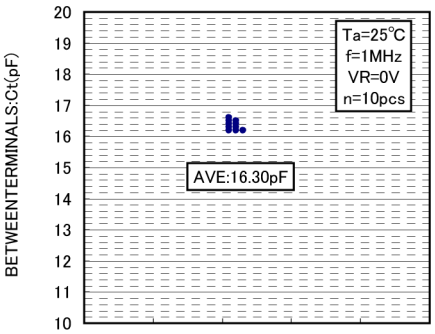
VR–Ct CHARACTERISTICS



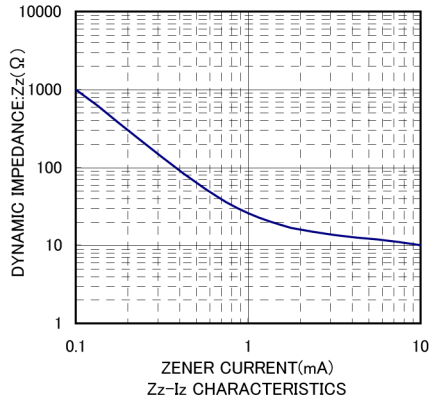
Vz DISRESION MAP



IR DISRESION MAP



Ct DISRESION MAP



Zz–Iz CHARACTERISTICS

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