

EDZ18B

Constant voltage control

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

Silicon epitaxial planar

Top view dimensions:

- Top width: 0.8 ± 0.05
- Bottom width: 0.3 ± 0.05
- Left side height: 1.2 ± 0.05
- Right side height: 1.6 ± 0.1

Side view dimensions:

- Top thickness: 0.12 ± 0.05
- Bottom thickness: 0.6 ± 0.1

ROHM : EMD2
JEDEC : SOD-523
JEITA : SC-79
Mark EX. ED3.6B

A diagram of a 2D rectangular object. The object is composed of two stacked rectangles. The top rectangle has a width of 0.8 and a height of 0.6. The bottom rectangle is wider than the top one. A dimension line on the right indicates the total height of the object is 1.7.

Technical drawing of a shaft with dimensions and labels:

- Top view: Shows four circular features. The third feature from the left is labeled $\phi 1.5 \pm 0.05$.
- Bottom view: Shows six circular features. The first feature from the left is labeled $\phi 0.5$.
- Labels: "Empty pocket" points to the second feature from the left in the bottom view.
- Dimensions:
 - Top view: 4.0 ± 0.1 (between first and second features), 2.0 ± 0.05 (between second and third features).
 - Bottom view: 0.95 ± 0.06 (between first and second features), 4.0 ± 0.1 (between second and third features), 2.0 ± 0.05 (between third and fourth features).
 - Left side: 2.45 ± 0.1 (total length), 1.3 ± 0.06 (from left end to first feature), 0 (between first and second features).
 - Right side: 0.2 ± 0.05 (from right end to last feature), 1.75 ± 0.1 (from right end to fourth feature), 3.8 ± 0.05 (from right end to fifth feature), 8.0 ± 0.15 (from right end to sixth feature), 0.8 (between fifth and sixth features).
 - Bottom right: 1.28 ± 0.05 (total length), 0.6 (from bottom end to first feature), 0.2 (between first and second features), 0.76 ± 0.05 (from bottom end to last feature).

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

Diodes

●Electrical characteristics (Ta=25°C)

TYP.	Symbol								
	Zener voltage : Vz(V)			Operating resistance : Zz(Ω)		Rising operating resistance : Zz(Ω)		Reverse current : IR(μ A)	
	MIN.	MAX.	Iz(mA)	MAX.	Iz(mA)	MAX.	Iz(mA)	MAX.	VR(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.

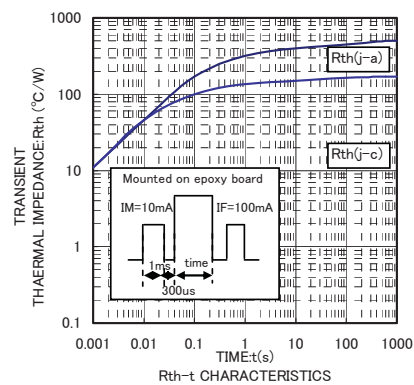
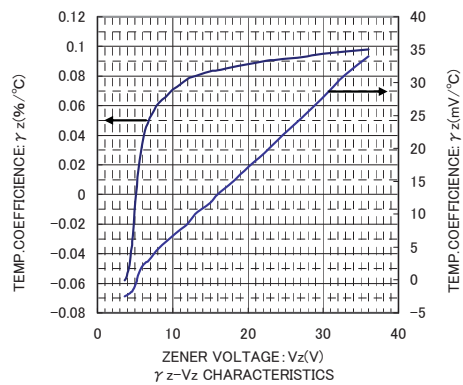
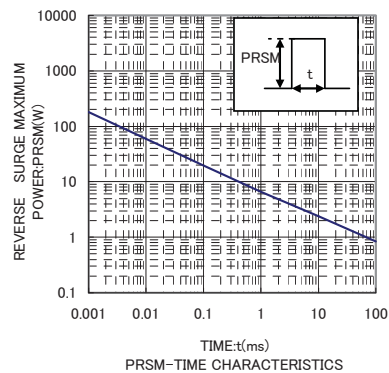
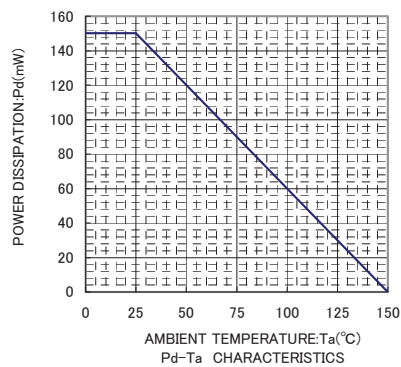
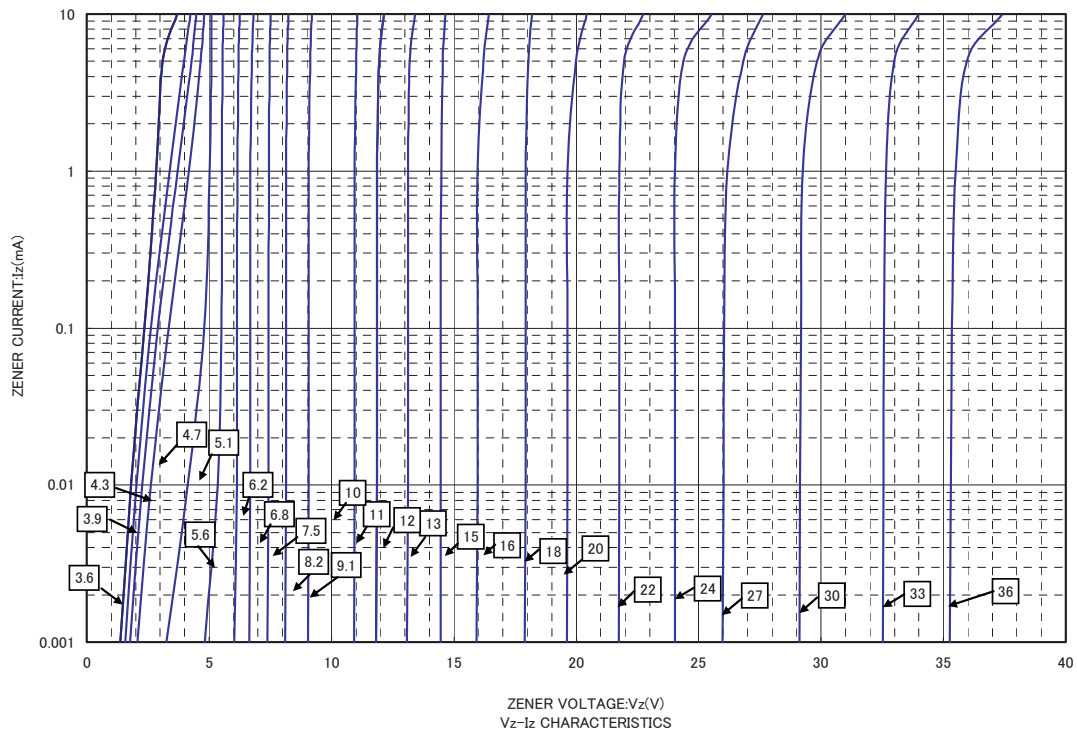
(2) The operating resistances(Zz,Zzk) are measured by superimposing a minute alternating current on the regulated current(Iz)

●Type No.

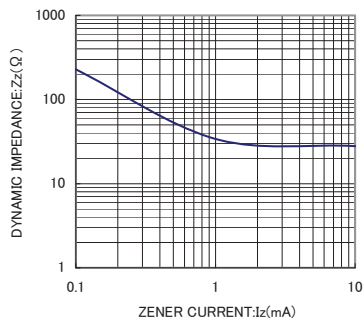
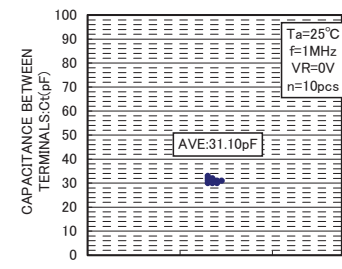
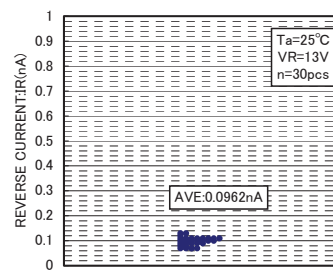
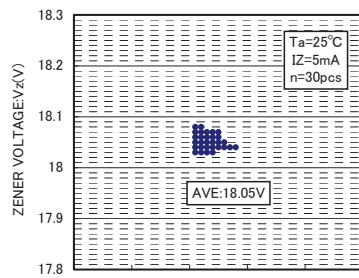
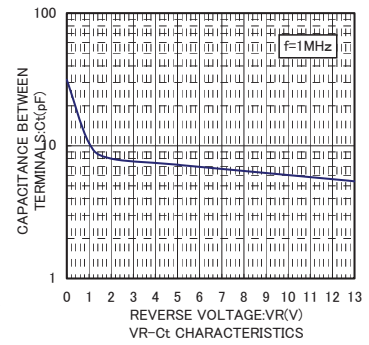
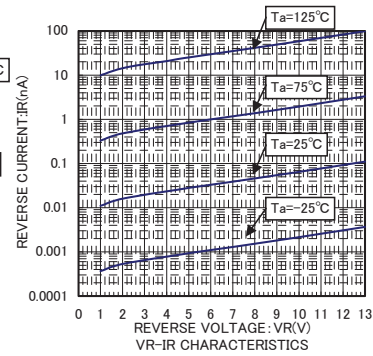
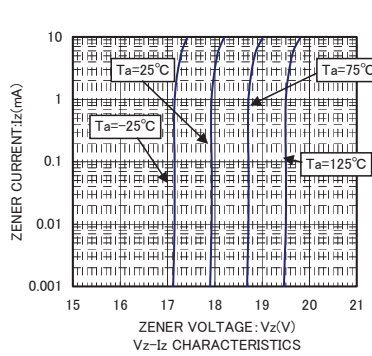
TYPE	TYPE NO.	TYPE	TYPE NO.
EDZ 3.6B	62	EDZ 12B	25
EDZ 3.9B	72	EDZ 13B	35
EDZ 4.3B	82	EDZ 15B	45
EDZ 4.7B	92	EDZ 16B	55
EDZ 5.1B	A2	EDZ 18B	65
EDZ 5.6B	C2	EDZ 20B	75
EDZ 6.2B	E2	EDZ 22B	85
EDZ 6.8B	F2	EDZ 24B	95
EDZ 7.5B	H2	EDZ 27B	A5
EDZ 8.2B	J2	EDZ 30B	C5
EDZ 9.1B	L2	EDZ 33B	E5
EDZ 10B	O5	EDZ 36B	F5
EDZ 11B	15		

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



Notes

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