

TDZ8.2

Constant voltage control

- 1) Small mold type. (TUMD2)
- 2) High reliability.
- 3) Can be mounted automatically, using chip mounter.

Silicon epitaxial planar

Technical drawing of a rectangular label with dimensions and a legend.

Dimensions:

- Top width: 1.3 ± 0.05
- Right height: 1.9 ± 0.1
- Right height (total): 2.5 ± 0.2
- Bottom width: 0.8 ± 0.05
- Top right corner width: 0.17 ± 0.1
- Top right corner height: 0.05
- Bottom right corner width: 0.6 ± 0.2
- Bottom right corner height: 0.1

Legend:

- ROHM : TUMD2
- dot (year week factory) + day

EX. TDZ5.1

Technical drawing of a stepped block. The top view shows a rectangle with a width of 1.1. The front view shows a block with a total height of 2.0, a base width of 0.8, and a top width of 0.5. The side view shows a rectangle with a width of 0.5.

Technical drawing of a mechanical part showing front, side, and detail views with dimensions.

Front View Dimensions:

- Horizontal dimensions: 4.0 ± 0.1 , 2.0 ± 0.05 , 1.43 ± 0.05 , 4.0 ± 0.1
- Vertical dimensions: 1.75 ± 0.1 , 3.5 ± 0.05 , 2.75 , 8.0 ± 0.2
- Feature dimensions: $\phi 1.55 \pm 0.1$ (top hole), $\phi 1.0 \pm 0.2$ (bottom hole)

Side View Dimensions:

- Top width: 0.25 ± 0.05
- Internal width: 2.8 ± 0.05
- Bottom width: 0.9 ± 0.08

Parameter	Symbol	Limits	Unit
Power dissipation	P	500	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to 150	°C
Operating resistance	T _{opr}	-55 to 150	°C

Diodes

●Electrical characteristics (Ta=25°C)

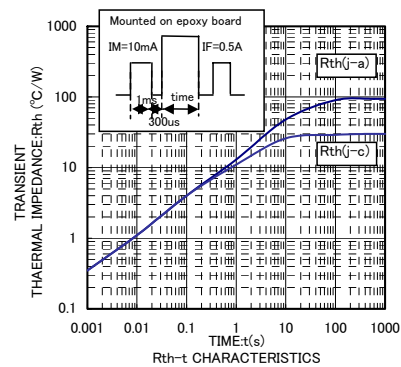
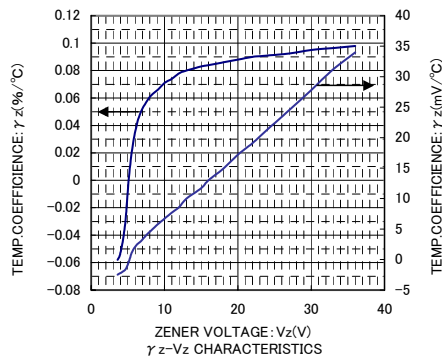
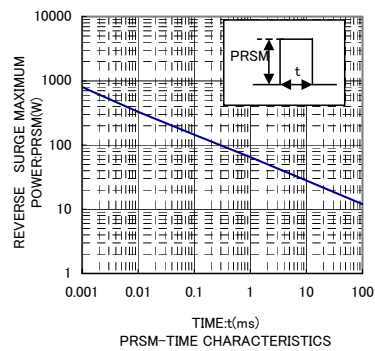
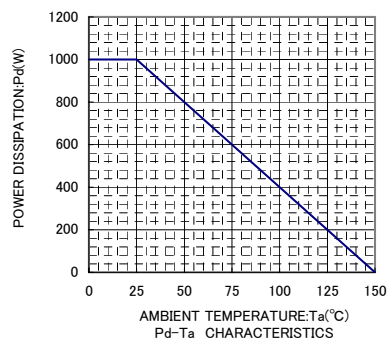
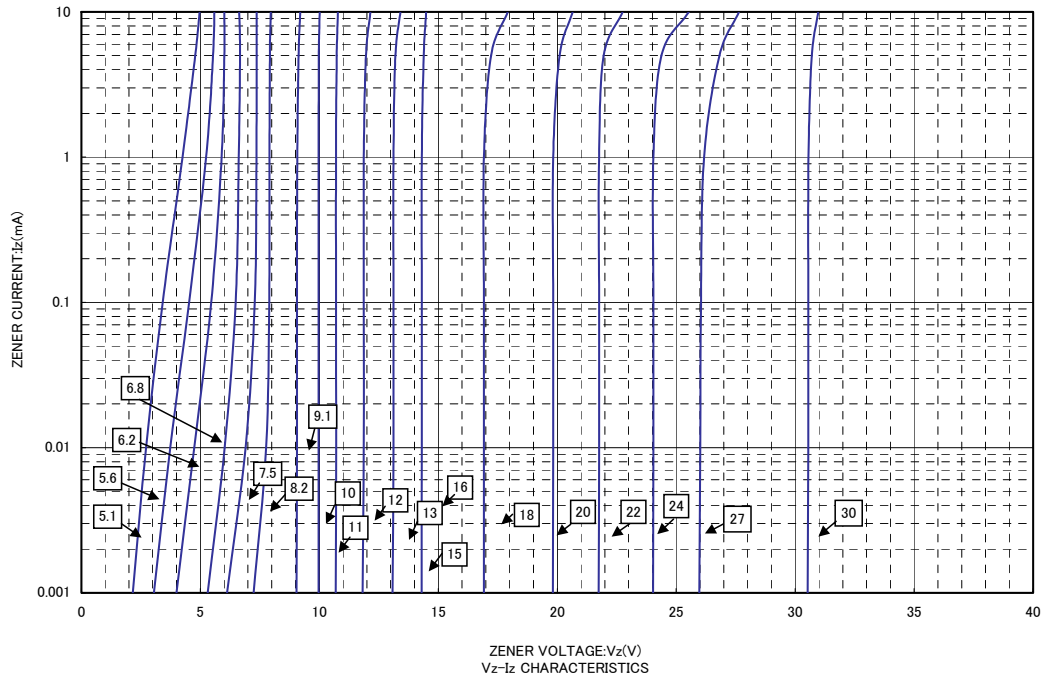
TYP.	Symbol				
	Zener voltage : Vz(V)			Reverse current : IR(uA)	
	MIN.	MAX.	Iz(mA)	MAX.	VR(V)
TDZ 5.1	4.60	5.60	10	10	1.5
TDZ 5.6	5.10	6.10	10	10	2.5
TDZ 6.2	5.60	6.80	10	10	3.0
TDZ 6.8	6.20	7.40	10	10	3.5
TDZ 7.5	6.80	8.30	10	10	4.5
TDZ 8.2	7.40	9.00	10	10	4.9
TDZ 9.1	8.20	10.00	10	10	5.5
TDZ 10	9.00	11.00	10	10	6.0
TDZ 11	9.90	12.10	10	10	7.0
TDZ 12	10.80	13.20	10	10	8.0
TDZ 13	11.70	14.30	10	10	9.0
TDZ 15	13.50	16.50	10	10	10.0
TDZ 16	14.40	17.60	10	10	11.0
TDZ 18	16.20	19.80	10	10	12.0
TDZ 20	18.00	22.00	10	10	14.0
TDZ 22	19.80	24.20	10	10	15.0
TDZ 24	21.60	26.40	10	10	16.0
TDZ 27	24.30	29.70	10	10	19.0
TDZ 30	27.00	33.00	10	10	21.0

●Type No.

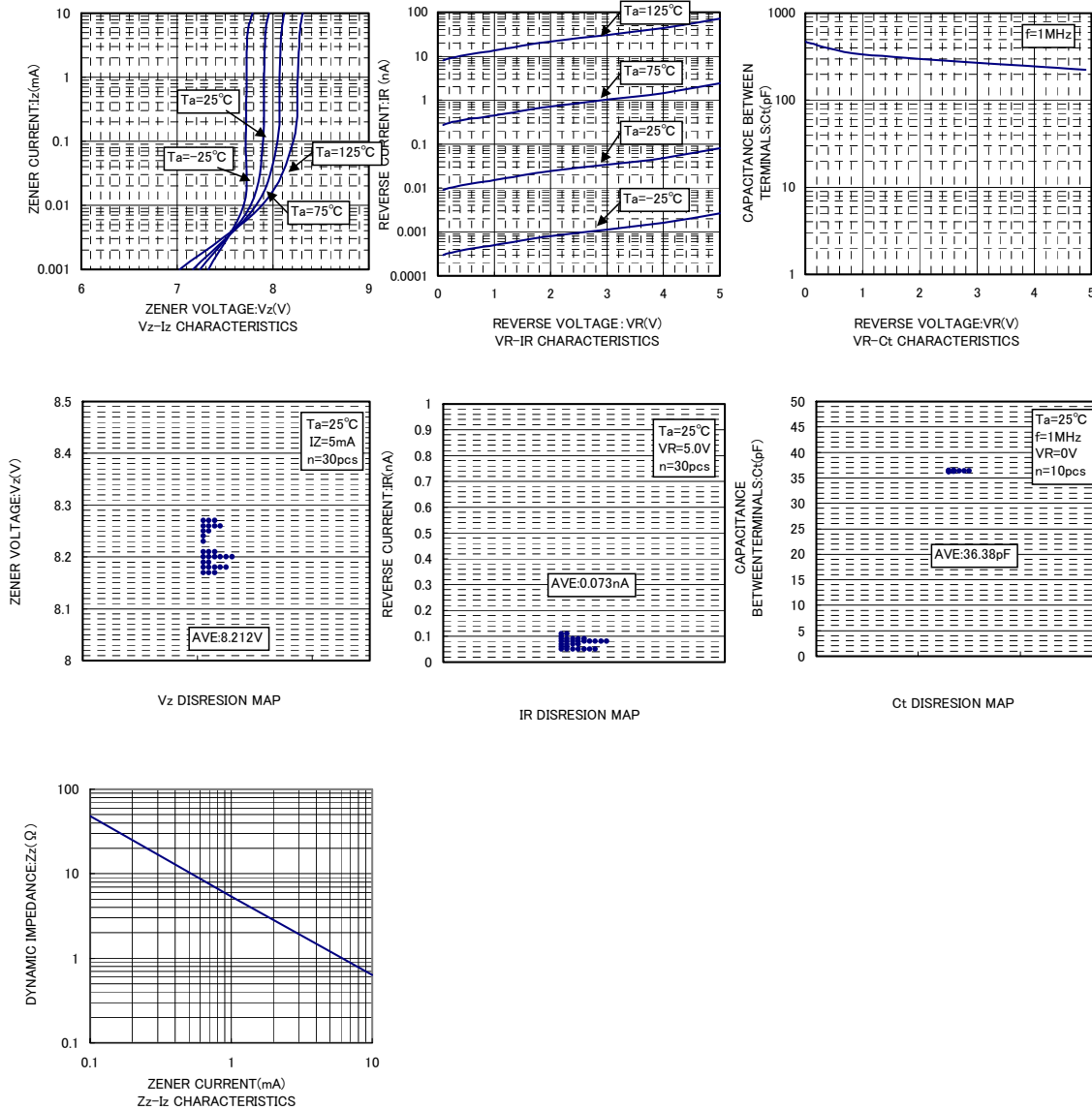
形名	TYPE NO.	形名	TYPE NO.
TDZ 5.1	A2	TDZ 13	35
TDZ 5.6	C2	TDZ 15	45
TDZ 6.2	E2	TDZ 16	55
TDZ 6.8	F2	TDZ 18	65
TDZ 7.5	H2	TDZ 20	75
TDZ 8.2	J2	TDZ 22	85
TDZ 9.1	L2	TDZ 24	95
TDZ 10	05	TDZ 27	A5
TDZ 11	15	TDZ 30	C5
TDZ 12	25		

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



Appendix

Notes

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