

GDZ5.6

Constant voltage control

- 1) 2-pin ultra mini-mold type for high-density mounting(GMD2)
- 2) High reliability.
- 3) Can be mounted automatically,using chip mounter..

Silicon epitaxial planar

The drawing shows three views of the GMD2 package:

- Top View:** A rectangular package with a width of 0.3 ± 0.05 and a height of 0.6 ± 0.05 . It features a large 'AA' marking and two shaded rectangular areas.
- Side View:** Shows the package's profile with a width of 0.3 ± 0.03 . It includes a small rectangular feature on the side with a height dimension of $0 \sim 0.03$.
- Front View:** Shows the package with a width of 0.27 ± 0.03 . It has two shaded rectangular areas with a height of 0.19 ± 0.03 and a center-to-center distance of 0.38 ± 0.03 . The total height of the package is 0.57 ± 0.05 .

Legend:
 ROHM : GMD2
 JEDEC : -
 JETTA : -
 [Shaded Box] dot(year week factory)

Technical drawing of a GMD2 component. The drawing shows two rectangular blocks. The top block has a width of 0.31 and a height of 0.23. The bottom block is positioned below the top one. A dimension line indicates a distance of 0.38 between the top and bottom blocks.

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

Top View Dimensions:

- Overall width: 8 ± 0.1
- Overall height: 1.75 ± 0.1
- Distance from left edge to first hole center: 0.66 ± 0.08
- Distance between hole centers: 4 ± 0.05
- Distance from last hole center to right edge: 2 ± 0.05
- Distance from left edge to first pin center: 0.36 ± 0.08
- Distance between pin centers: 2 ± 0.05
- Hole diameter: $\phi 1.5 \pm 0.1$
- Pin diameter: $\phi 0.2 \pm 0.05$

Side View Dimensions:

- Overall height: 0.37 ± 0.03
- Top flange thickness: 0.2 ± 0.05

Parameter	Symbol	Limits	Unit
Power dissipation	P	100	mW
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C
Operating temperature	Topr	-55 to +125	°C

Diodes

●Electrical characteristics (Ta=25°C)

TYP.	Symbol				
	Zener voltage: Vz(V)			Reverse current: IR(μA)	
	MIN.	MAX.	Iz(mA)	MAX.	VR(V)
GDZ 3.9	3.740	4.160	5.0	5.0	1.0
GDZ 4.7	4.420	4.900	5.0	2.0	1.0
GDZ 5.1	4.840	5.370	5.0	2.0	1.5
GDZ 5.6	5.310	5.920	5.0	1.0	2.5
GDZ 6.2	5.860	6.530	5.0	1.0	3.0
GDZ 6.8	6.470	7.140	5.0	0.5	3.5
GDZ 7.5	7.060	7.840	5.0	0.5	4.0
GDZ 8.2	7.760	8.640	5.0	0.5	5.0

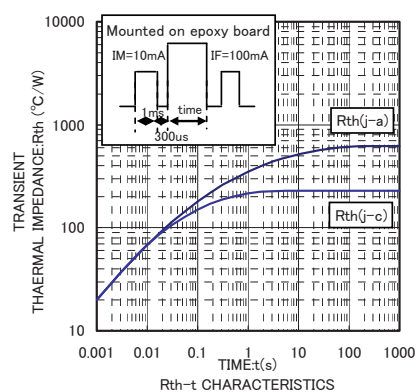
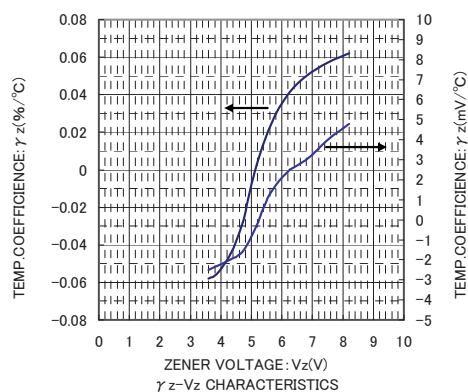
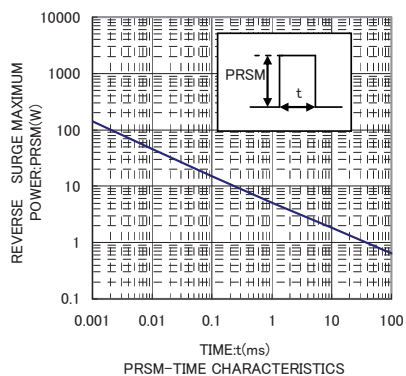
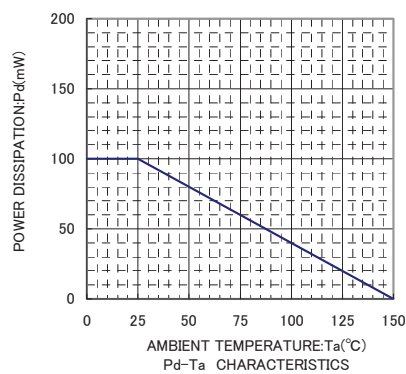
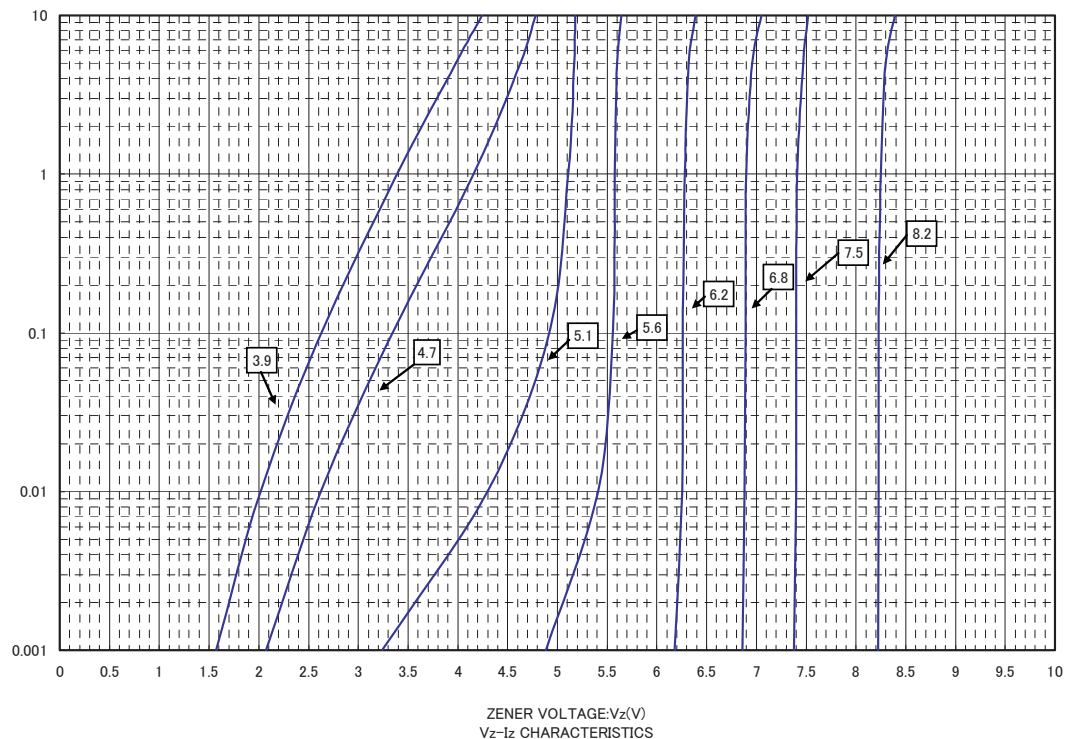
(1)The zener voltage(Vz) is measured 40ms after power is supplied.

●MARKING (Type No.)

TYPE	TYPE NO.
GDZ 3.9	LA
GDZ 4.7	AA
GDZ 5.1	DA
GDZ 5.6	EA
GDZ 6.2	FA
GDZ 6.8	HA
GDZ 7.5	JA
GDZ 8.2	KA

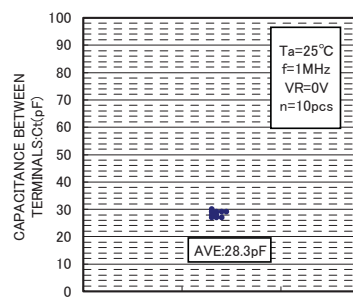
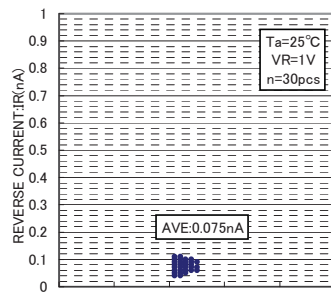
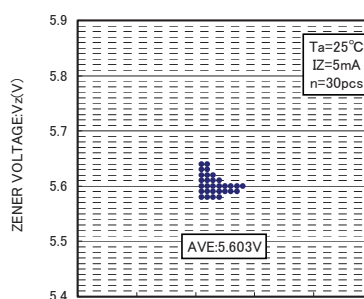
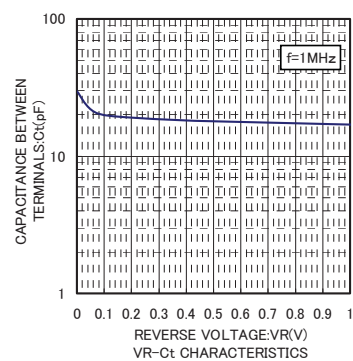
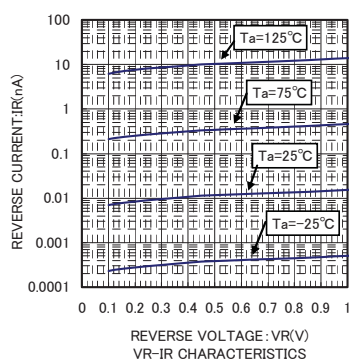
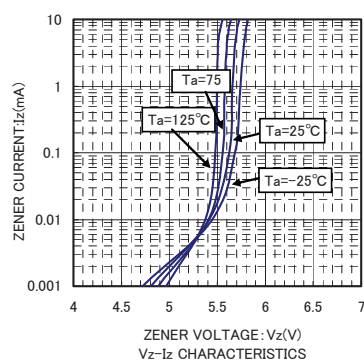
Diodes

●Electrical characteristic curves



Diodes

●Electrical characteristic curves (Ta=25°C)



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