

GDZ4.7

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 top and a larger one on the bottom, with a dimension of $0 \sim 0.03$ between them.
- Front View:** Shows the package with a width of 0.27 ± 0.03 . It has two shaded rectangular areas with a vertical spacing of 0.19 ± 0.03 between their centers. The distance from the top center to the top of the upper shaded area is 0.38 ± 0.03 , and the total height 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 has a height of 0.38. The blocks are positioned such that the bottom block is offset to the right relative to the top block.

Technical drawing of a mechanical part, showing a top view and a side view. The top view is a rectangle with a width of 8 ± 0.1 and a length of 17.5 ± 0.1 . It features four circular holes with a diameter of $\phi 1.5 \pm 0.01$ and four rectangular slots with a width of 0.36 ± 0.008 and a depth of 0.66 ± 0.008 . The distance between the centers of the holes is 4 ± 0.05 , and the distance between the centers of the slots is 2 ± 0.05 . The side view shows a profile with a total height of 0.37 ± 0.03 and a top flange with a thickness of 0.2 ± 0.05 .

Parameter	Symbol	Limits	Unit
Power dissipation	P	100	mW
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55 to +125	°C
Operating temperature	T _{opr}	-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

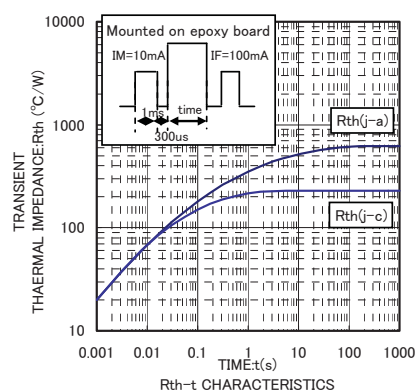
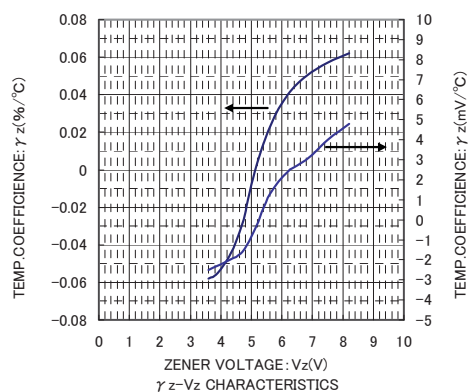
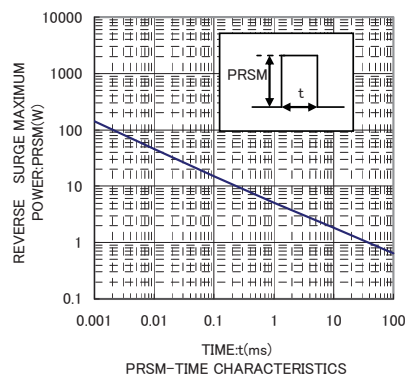
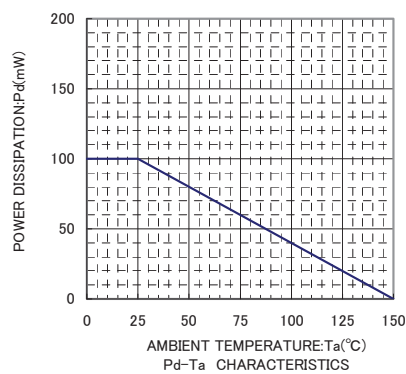
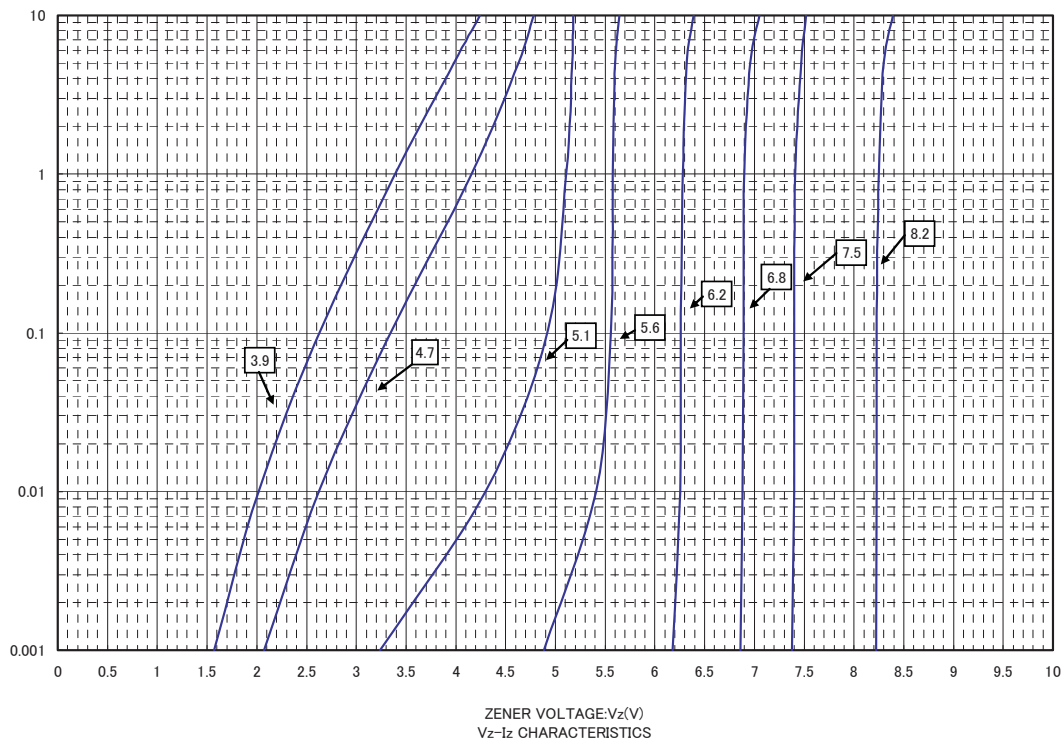
(1)The zener voltage(Vz) is measured 40ms after power is supplied.

●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

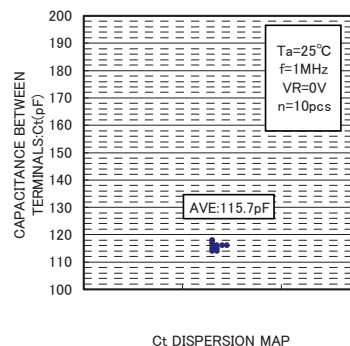
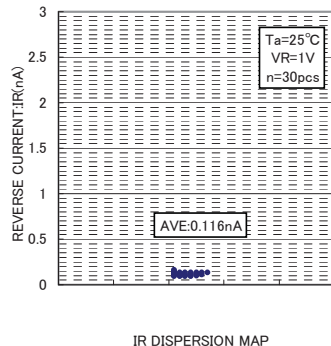
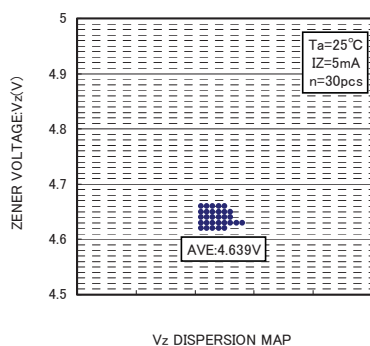
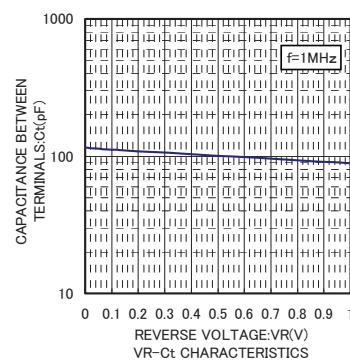
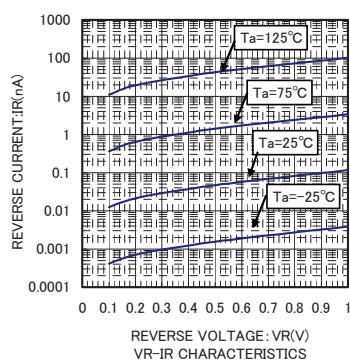
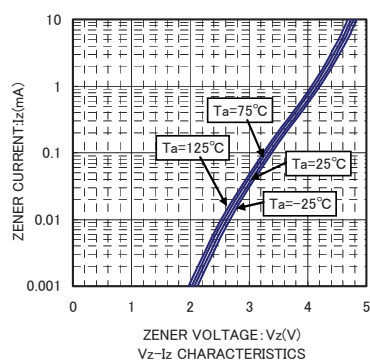
Diodes

●Electrical characteristic curves



Diodes

●Electrical characteristic curves (Ta=25°C)



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