

Zener diode

GDZ6.2

●Applications

Constant voltage control

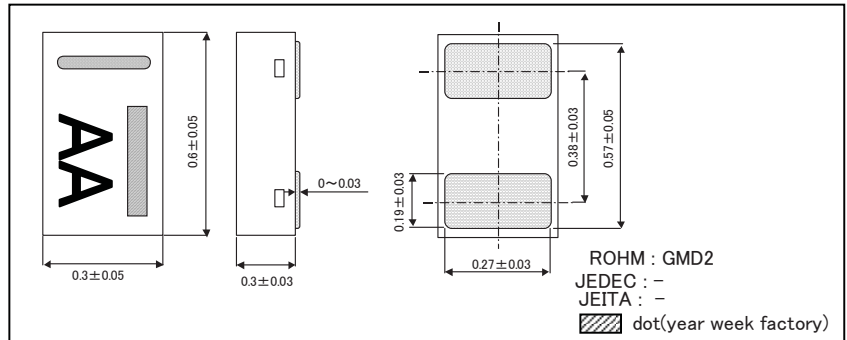
●Features

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

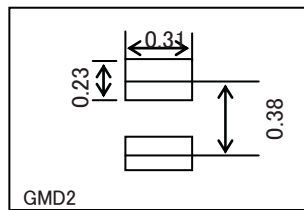
●Construction

Silicon epitaxial planar

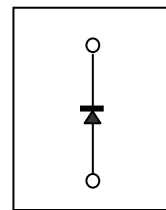
●Dimensions (Unit : mm)



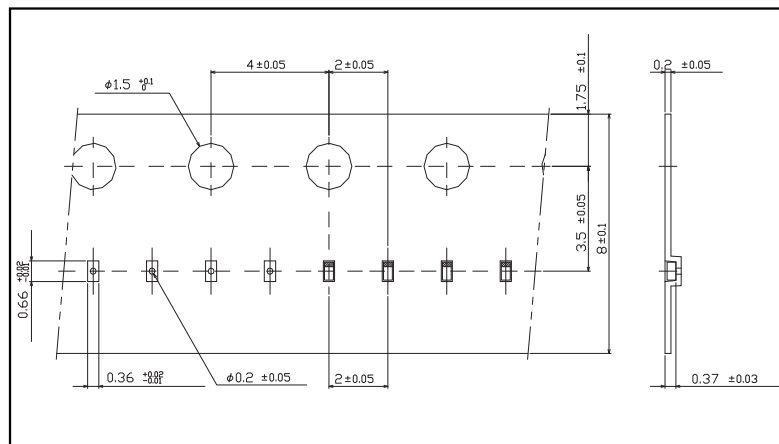
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|-----------------------|--------|-------------|------|
| Power dissipation | P | 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 |

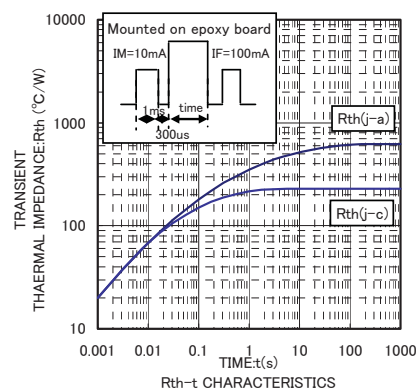
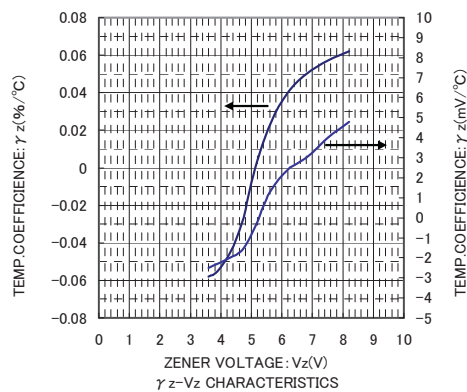
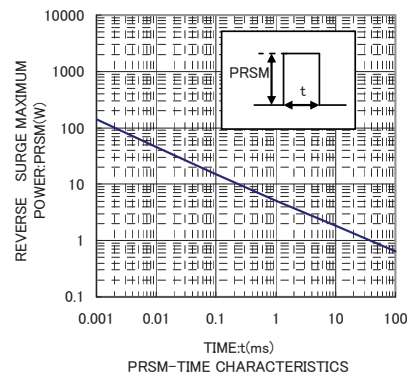
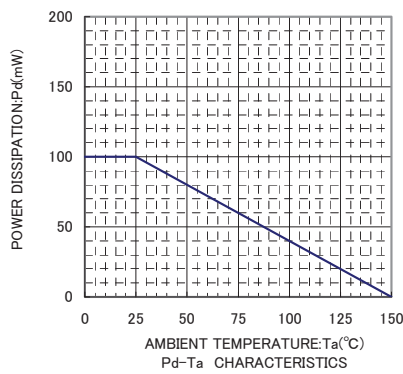
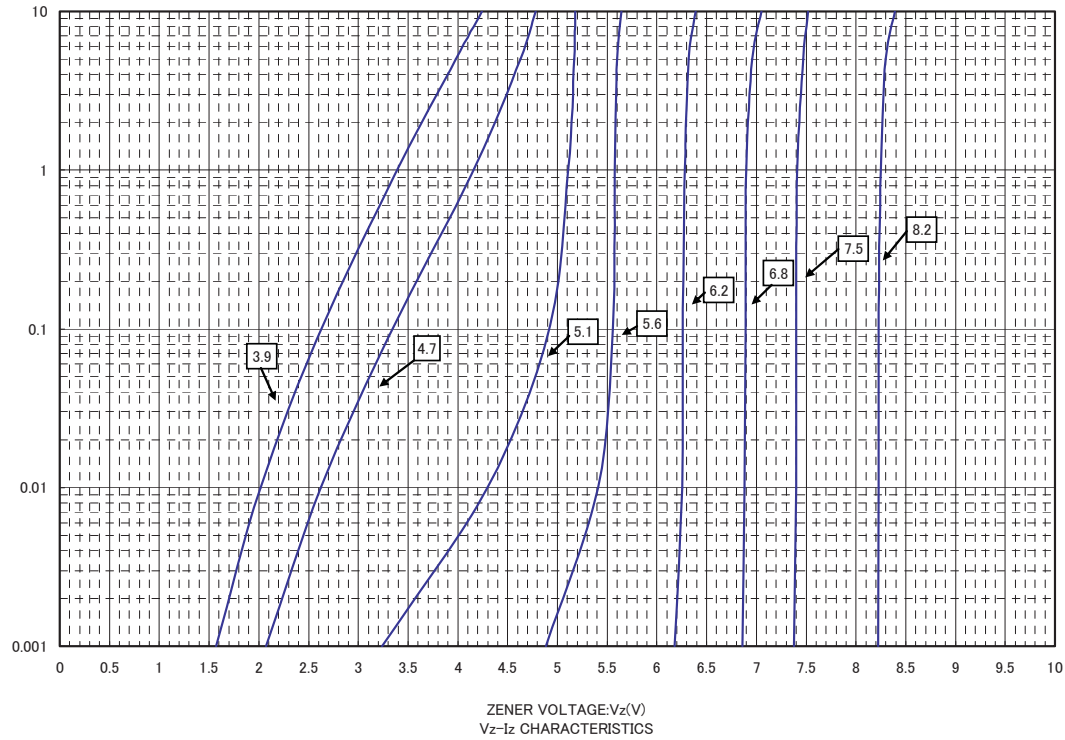
(1)The zener voltage(Vz) is measured 40ms after power is supplied.

●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 |

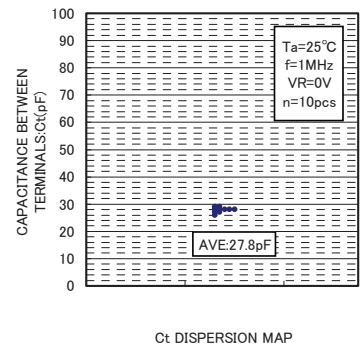
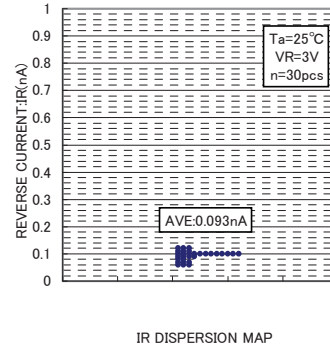
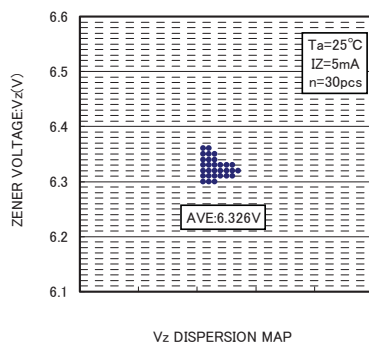
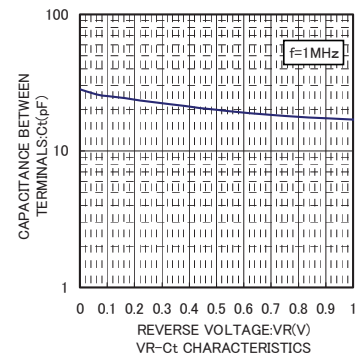
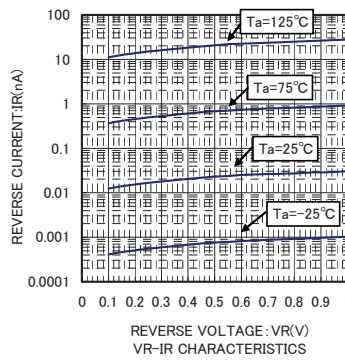
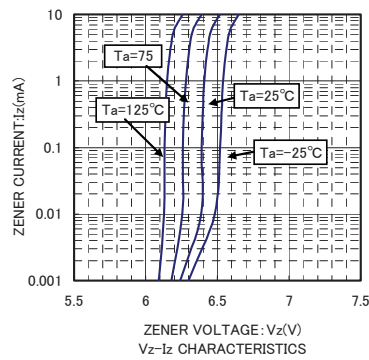
Diodes

●Electrical characteristic curves



Diodes

●Electrical characteristic curves (Ta=25°C)



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