Zener Diode

DZ2730000L

Panasonic

DZ2730000L

Silicon epitaxial planar type

For constant voltage / For surge absorption circuit DZ2S300 in SSSMini2 type package

■ Features

- · Excellent rising characteristics of zener current Iz
- Low zener operating resistance Rz
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: GG

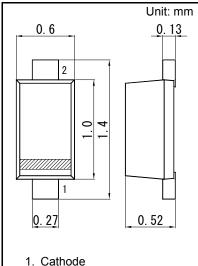
Packaging

Embossed type (Thermo-compression sealing) 10 000 pcs / reel (standard)

■ Absolute Maximum Ratings Ta = 25 °C

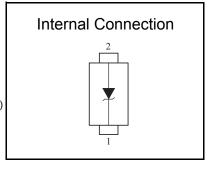
| Parameter | Symbol | Rating | Unit |
|---------------------------------|--------|-------------|------|
| Repetitive peak forward current | IFRM | 200 | mA |
| Total power dissipation *1 | PT | 120 | mW |
| Electrostatic discharge *2 | ESD | ±8 | kV |
| Junction temperature | Tj | 150 | °C |
| Operating ambient temperature | Topr | -40 to +85 | °C |
| Storage temperature | Tstg | -55 to +150 | °C |

Note) *1: Mounted on glass epoxy print board. (45 mm x 45 mm x 1 mm) Solder in (0.4 mm x 0.3 mm)



- 2. Anode

| Panasonic | SSSMini2-F4-B |
|-----------|---------------|
| JEITA | SC-104A |
| Code | SOD-723 |



■ Electrical Characteristics Ta = 25 °C ± 3 °C

| Parameter | Symbol | Conditions | Min | Тур | Max | Unit |
|---|--------|-------------|-------|------|-------|-------|
| Forward voltage | VF | IF = 10 mA | | | 1.0 | V |
| Zener voltage *1, *2 | VZ | IZ = 2 mA | 28.50 | | 31.50 | V |
| Zener operating resistance | RZ | IZ = 2 mA | | | 160 | Ω |
| Zener rise operating resistance | RZK | IZ = 0.5 mA | | | 160 | Ω |
| Reverse current | IR | VR = 23 V | | | 0.05 | μΑ |
| Temperature coefficient of zener voltage *3 | SZ | IZ = 2 mA | | 28.7 | | mV/°C |

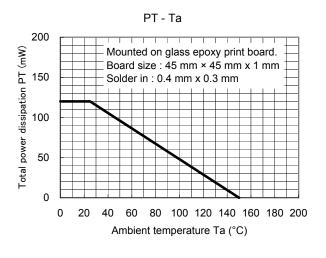
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.

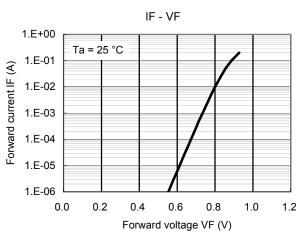
- 2. Absolute frequency of input and output is 5 MHz.
- 3. *1 The temperature must be controlled 25 °C for VZ mesurement. VZ value measured at other temperature must be adjusted to VZ (25 °C)
 - *2 VZ guaranted 20 ms after current flow.
 - *3 Tj = 25 °C to 150 °C

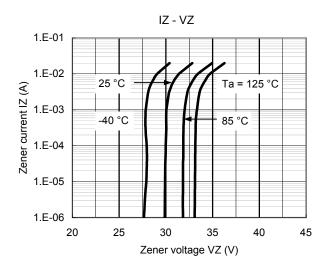
^{*2:} Test method:IEC61000 4 2(C = 150 pF,R = 330 Ω , Contact discharge:10 times)

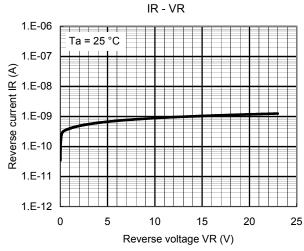
DZ2730000L

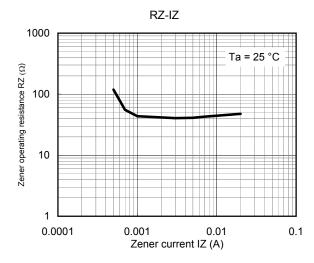
Technical Data (reference)

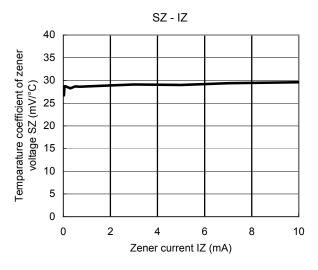










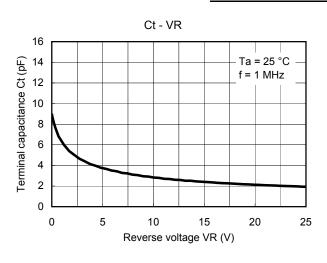


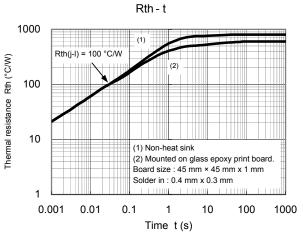
Established: 2010-02-19 Revised: 2013-10-16 **Panasonic**

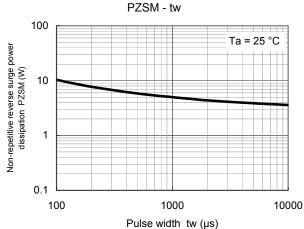
Zener Diode

DZ2730000L

Technical Data (reference)







Established: 2010-02-19

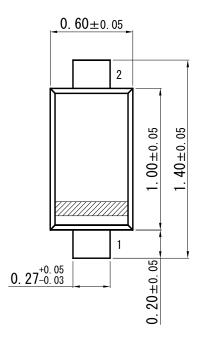
Revised

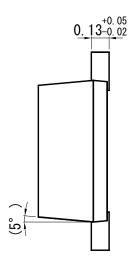
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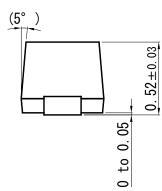
Zener Diode **Panasonic** DZ2730000L

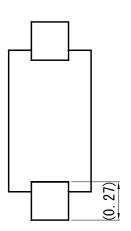
SSSMini2-F4-B

Unit: mm

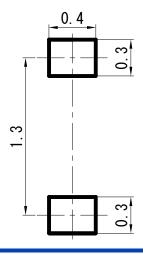








■ Land Pattern (Reference) (Unit: mm)



Established: 2010-02-19 Revised: 2013-10-16

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