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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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Zener Diode

DZ2J330×0L

Panasonic

DZ2J330×0L

Silicon epitaxial planar type

For constant voltage / For surge absorption circuit

■ 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: HG or HR

■ Packaging

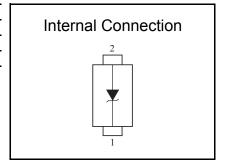
Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)

■ Absolute Maximum Ratings Ta = 25 °C

| Parameter | Symbol | Rating | Unit |
|---------------------------------|--------|-------------|------|
| Repetitive peak forward current | IFRM | 200 | mA |
| Total power dissipation *1 | PT | 200 | 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 ($45 \text{ mm} \times 45 \text{ mm} \times 1 \text{ mm}$) Solder in (Recommended land pattern)

*2 Test method : IEC61000_4_2 (C = 150 pF, R = 330 Ω , Contact discharge : 10 times)



■ 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 | 31.35 | | 34.65 | V |
| Zener operating resistance | RZ | IZ = 2 mA | | | 200 | Ω |
| Zener rise operating resistance | RZK | IZ = 0.5 mA | | | 200 | Ω |
| Reverse current | IR | VR = 25 V | | | 0.05 | μΑ |
| Temperature coefficient of zener voltage *3 | SZ | IZ = 2 mA | | 32.0 | | 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.
 - *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

Rank classification

| Code | M M | | | 0 | | |
|----------------|--------|------|-------|---------|---------|----|
| Rank | | | | No-rank | | |
| VZ | 32.20 | to : | 33.80 | 31.35 | to 34.6 | 35 |
| Marking symbol | HR | | | HG | | |

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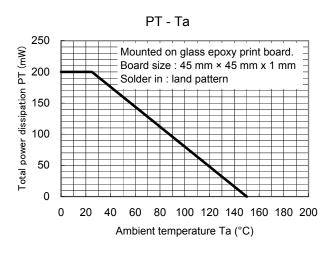
Established: 2009-10-14 Revised: 2013-07-16

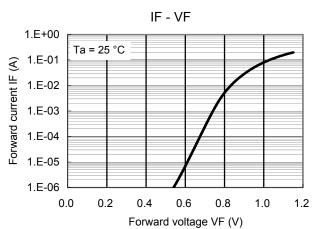
Panasonic

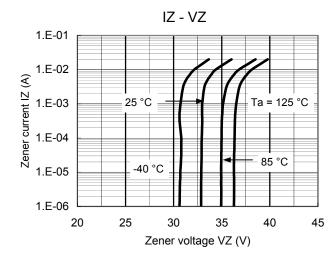
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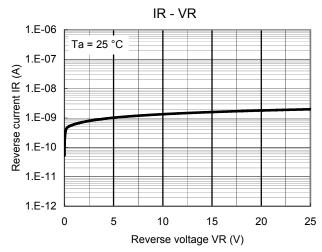
DZ2J330×0L

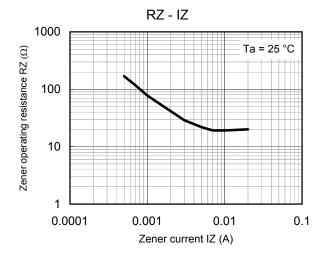
Technical Data (reference)

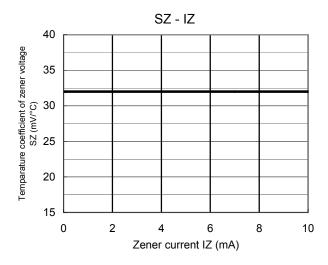












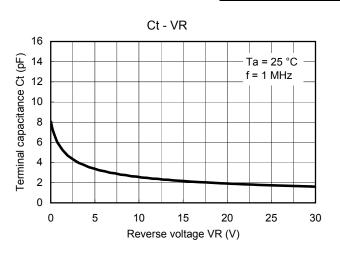
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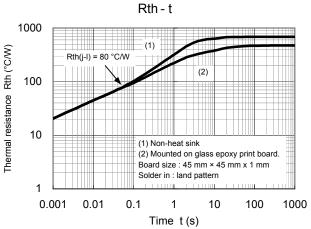
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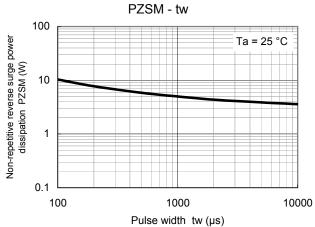
Zener Diode

DZ2J330×0L

Technical Data (reference)







Established: 2009-10-14

Revised

: 2013-07-16

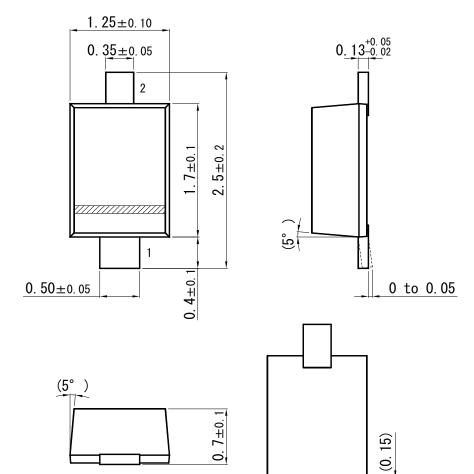
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Zener Diode

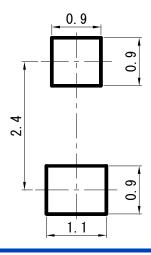
DZ2J330×0L

SMini2-F5-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



Established: 2009-10-14 Revised: 2013-07-16

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