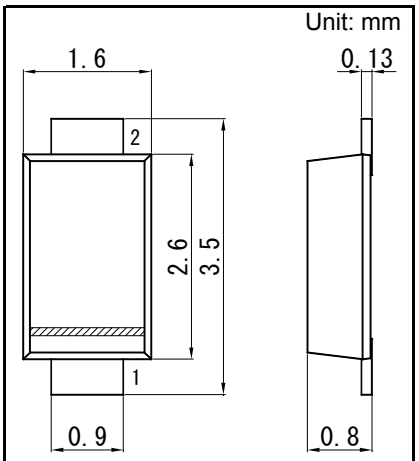
Zener Diode

Panasonic DZ2W06200L

# DZ2W06200L

## Silicon epitaxial planar type

For constant voltage / For surge absorption circuit
DZ24062 in Mini2 type package




1. Cathode
2. Anode

| | |
|---|---|
| Panasonic | Mini2-F3-B |
| JEITA | SC-109B |
| Code | — |

### ■ Features

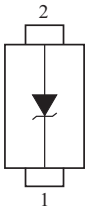
- Excellent rising characteristics of zener current Iz
- Low zener operating resistance Rz
- Halogen-free / RoHS compliant
  (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

### ■ Marking Symbol: FJ

### ■ Packaging

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

### Internal Connection




### ■ Absolute Maximum Ratings Ta = 25 °C

| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Repetitive peak forward current | IFRM | 500 | mA |
| Forward current | IF | 200 | mA |
| Total power dissipation *1 | PT | 1 | W |
| Non-repetitive reverse power surge *2 | PZSM | 100 | W |
| Electrostatic discharge *3 | ESD | ±30 | 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 ceramics print circuit board.
Board size: 50 mm × 50 mm
Board thickness: 0.8 mm
Soldering size: 2 mm × 2 mm
*2 t = 0.1ms
*3 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 | Typ | Max | Unit |
|---|---|---|---|---|---|---|
| Forward voltage | VF | IF = 200 mA | | | 1.2 | V |
| Zener voltage *1, *2 | VZ | IZ = 10 mA | 5.89 | 6.20 | 6.51 | V |
| Zener operating resistance | RZ | IZ = 10 mA | | | 30 | Ω |
| Reverse current | IR | VR = 3.0 V | | | 20 | μA |
| Temperature coefficient of zener voltage *3 | SZ | IZ = 10 mA | | 2.2 | | 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



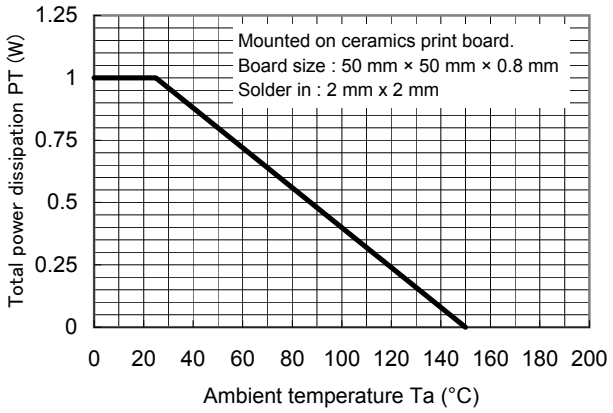
Established : 2011-03-11
Revised : 2013-05-08

Panasonic

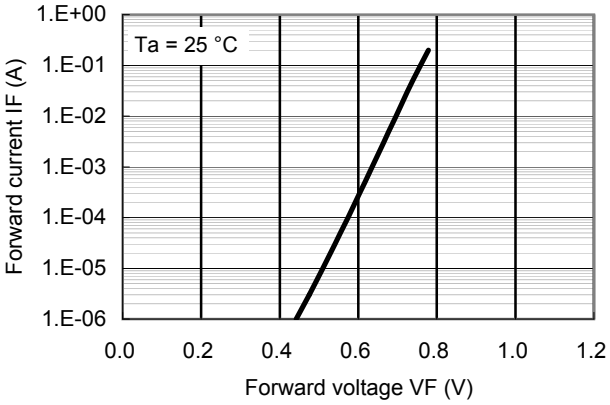
Zener Diode
DZ2W06200L

## Technical Data ( reference )

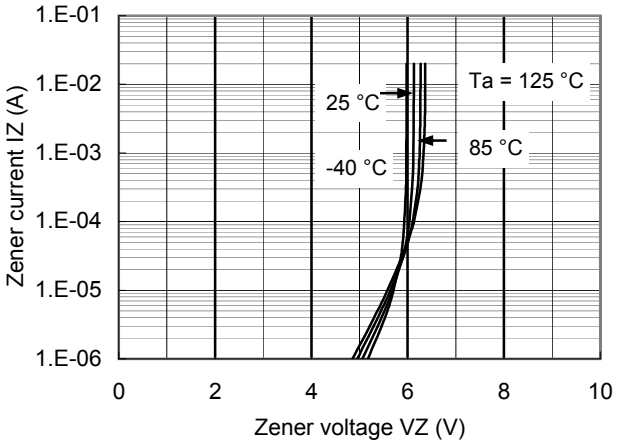
PT - Ta



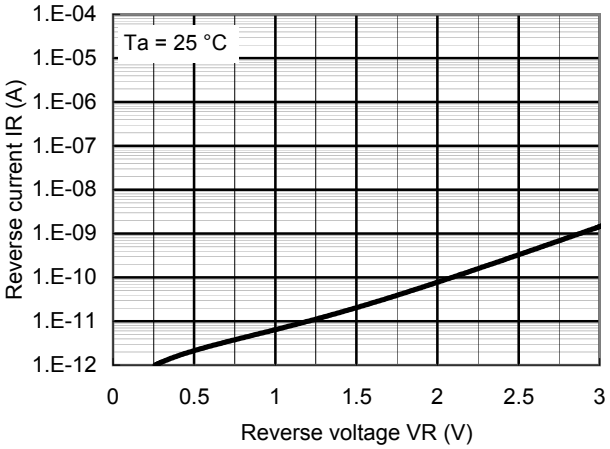

IF - VF



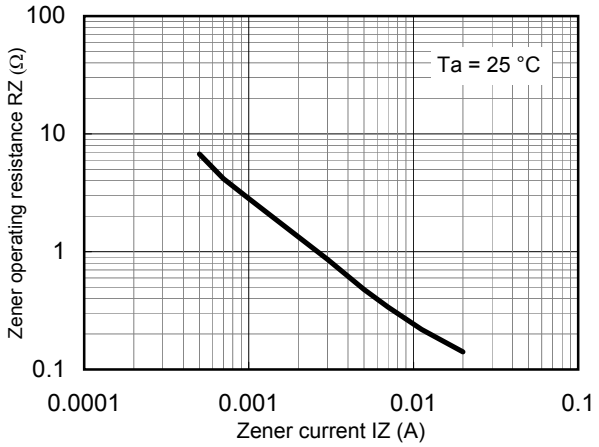

IZ - VZ



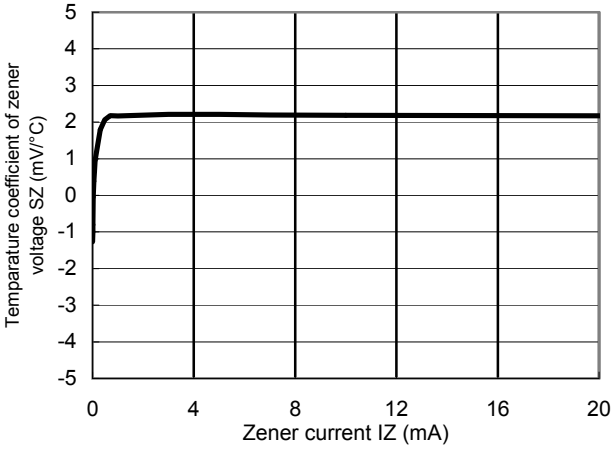

IR - VR




RZ - IZ




SZ - IZ





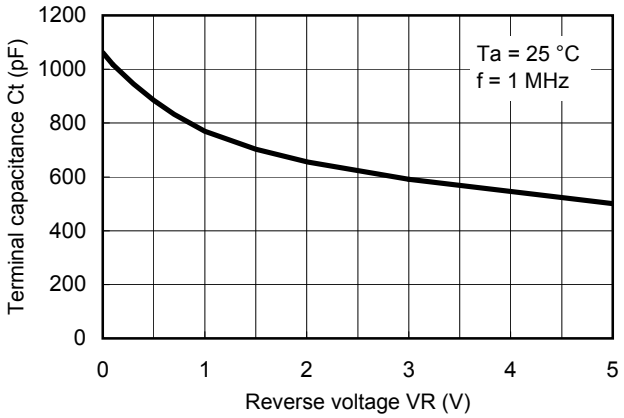

Established : 2011-03-11
Revised : 2013-05-08

Panasonic

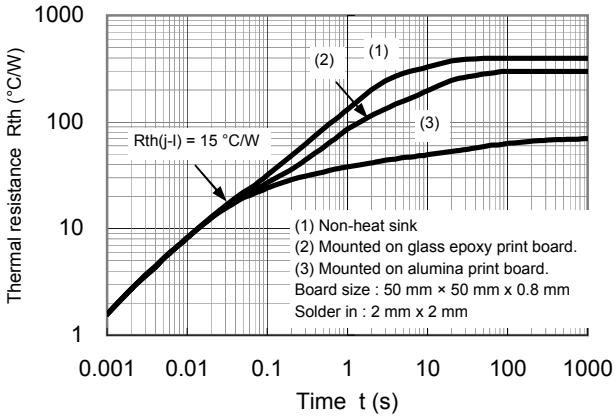
Zener Diode
DZ2W06200L

## Technical Data ( reference )

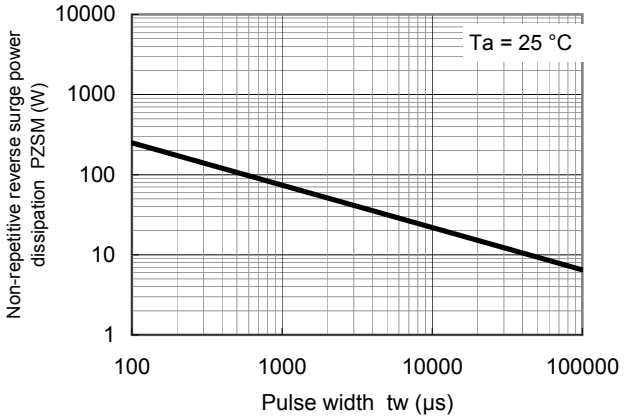
Ct - VR




Rth - t




PZSM - tw



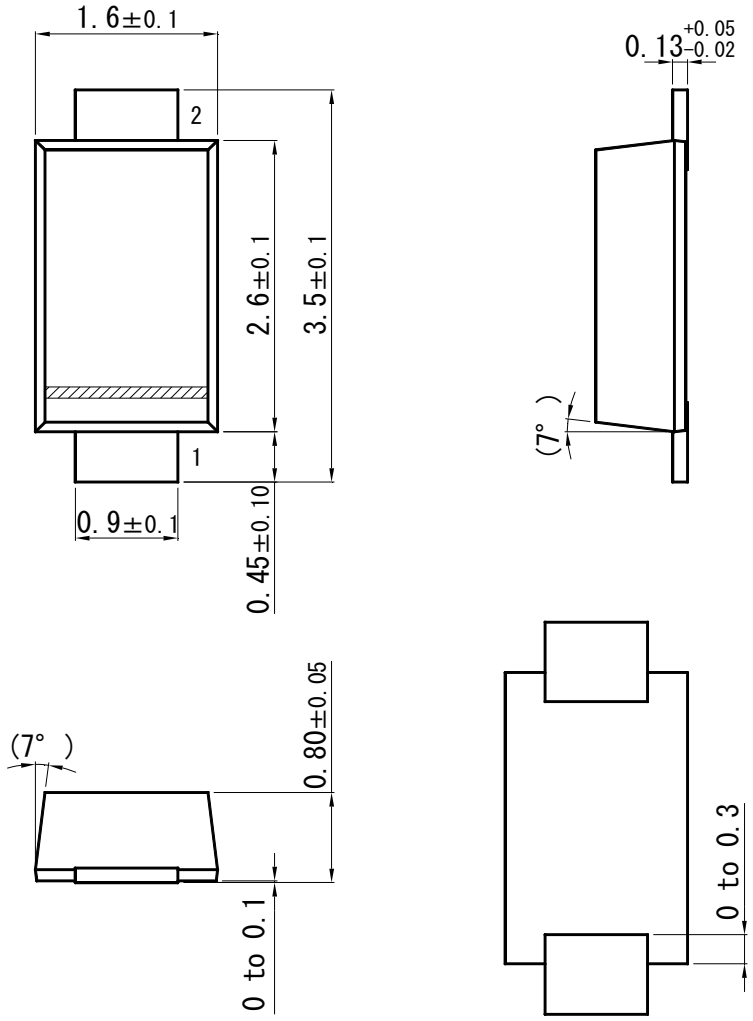



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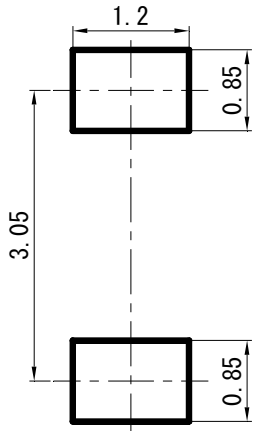
Panasonic

## Mini2-F3-B

Unit: mm




■ Land Pattern (Reference) (Unit: mm)






Established : 2011-03-11
Revised : 2013-05-08

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