Panasonic

DZ4J043K0R

Zener Diode DZ4J043K0R

Silicon epitaxial planar type

Unit: mm 2.0 For constant voltage / For surge absorption circuit <u>0. 3</u> 0 13 4 Features Excellent rising characteristics of zener current Iz 25 Low zener operating resistance Rz Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant) 2 1 0.7 Marking Symbol:9J (0.65)(0.65) 1.3 Basic Part Number : Dual DZ2J043 (Parallel) Packaging 3. Cathode-2 1. Anode-1 Embossed type (Thermo-compression sealing) 3 000 pcs / reel (standard) 2. Anode-2 4. Cathode-1 Panasonic SMini4-F3-B SC-113BB ■ Absolute Maximum Ratings Ta = 25 °C JEITA Code

| Internal Connection | | |
|---------------------|--|--|
| | | |

| Parameter | Symbol | Rating | Unit |
|---------------------------------------|--------|-------------|------|
| Repetitive peak forward current | IFRM | 200 | mA |
| Total power dissipation ^{*1} | PT | 200 | mW |
| Electrostatic discharge *2 | ESD | ±15 | 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 (0.8 mm x 0.8 mm)

*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 Max Unit Тур Forward voltage VF IF = 10 mA 1.0 V Zener voltage 1. VZ IZ = 5 mA 4.09 4.52 V RZ IZ = 5 mA 130 Zener operating resistance Ω Reverse current IR VR = 1 V 10 μΑ Temperature coefficient of zener voltage SZ IZ = 5 mA -0.9 mV/°C

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

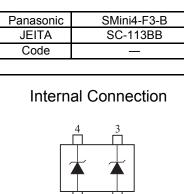
2. Absolute frequency of input and output is 5 MHz.

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.

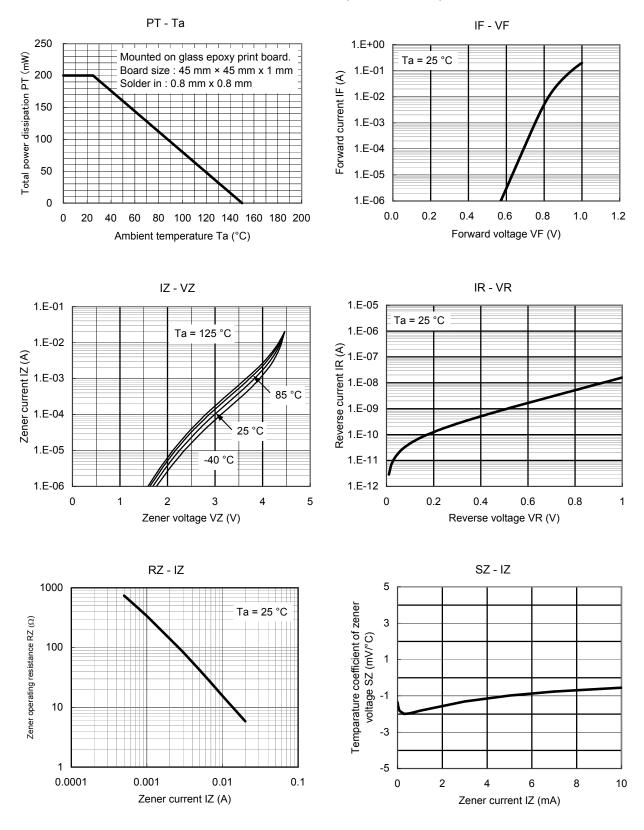
*3: Tj = 25 °C to 150 °C





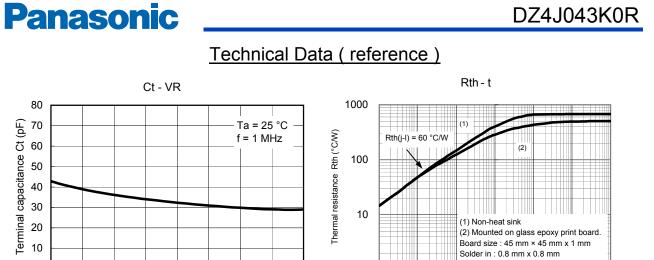
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Technical Data (reference)





Established : 2009-12-21 Revised : 2013-10-04 80



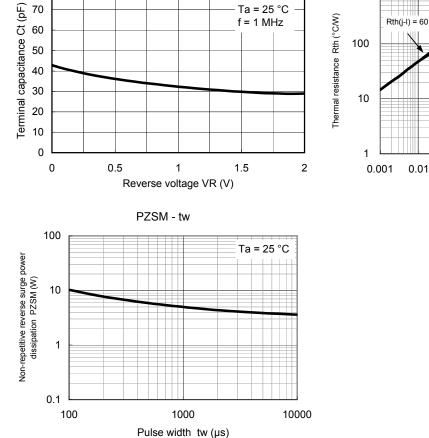
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1

Time t (s)

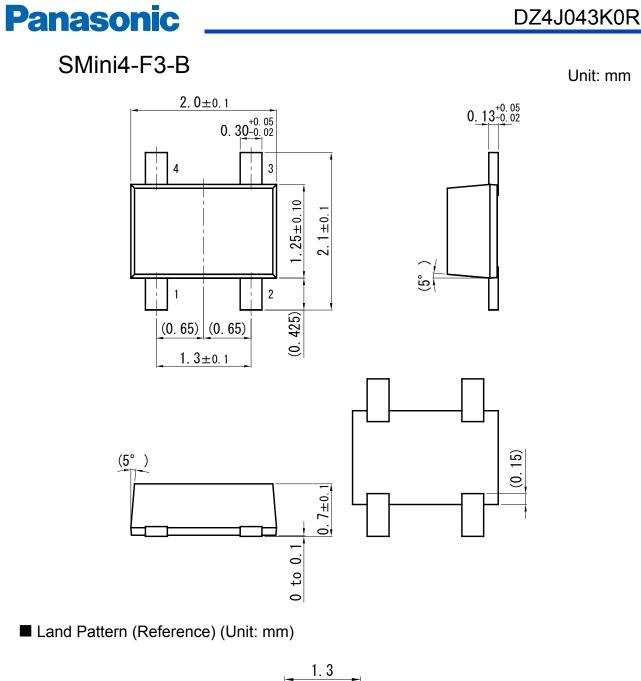
10

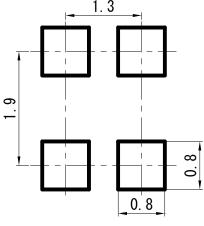
100



1000

Zener Diode





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