Zener Diode

### DZ4J075K0R

## **Panasonic**

### DZ4J075K0R

### 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: HJ
- Basic Part Number : Dual DZ2J075 (Parallel)
- Packaging

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

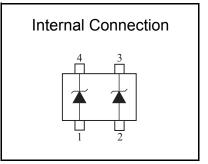
### ■ Absolute Maximum Ratings Ta = 25 °C

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 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  $\Omega$ , Contact discharge:10 times)

# Unit: mm 2. 0 0. 3 0. 13 4 1. Anode-1 2. Anode-2 2. Anode-2 4. Cathode-1 Panasonic SMini4-F3-B JEITA SC-113BB Code Unit: mm 0. 13 0. 13 0. 13 0. 13 0. 13



### ■ 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 = 5 mA	7.13		7.88	V
Zener operating resistance	RZ	IZ = 5 mA			20	Ω
Zener rise operating resistance	RZK	IZ = 0.5 mA			60	Ω
Reverse current	IR	VR = 5 V			0.1	μA
Temperature coefficient of zener voltage *3	SZ	IZ = 5 mA		3.9		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.
  - \*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: 2009-12-21

Revised

: 2013-10-04

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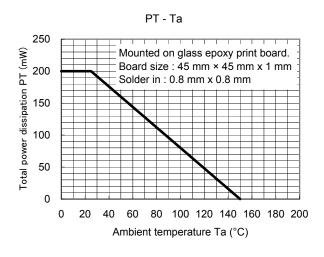
Revision. 3

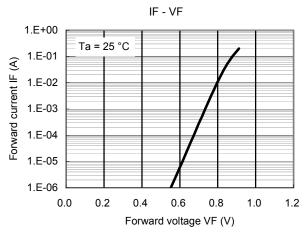
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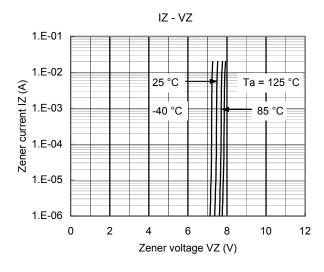
Zener Diode

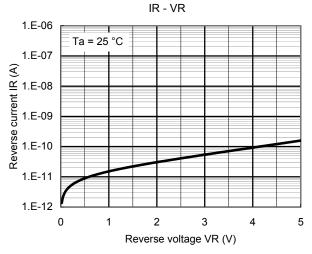
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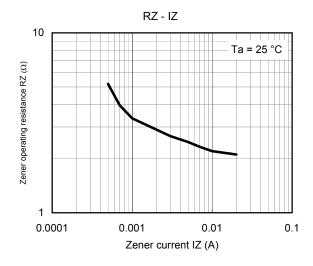
### Technical Data (reference)

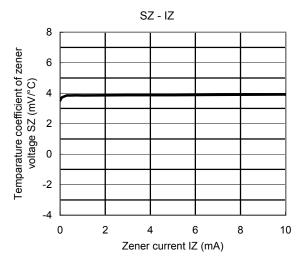












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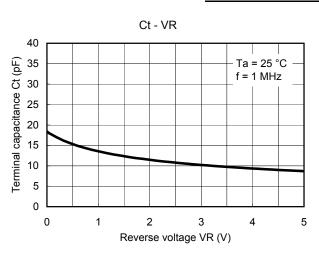
Revision. 3

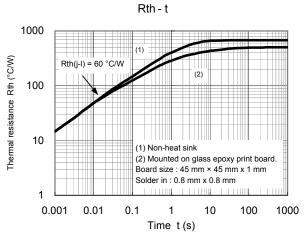
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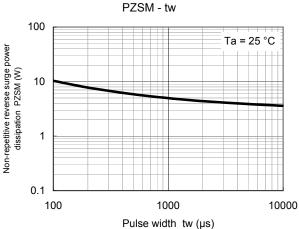
Zener Diode

### DZ4J075K0R

### Technical Data (reference)







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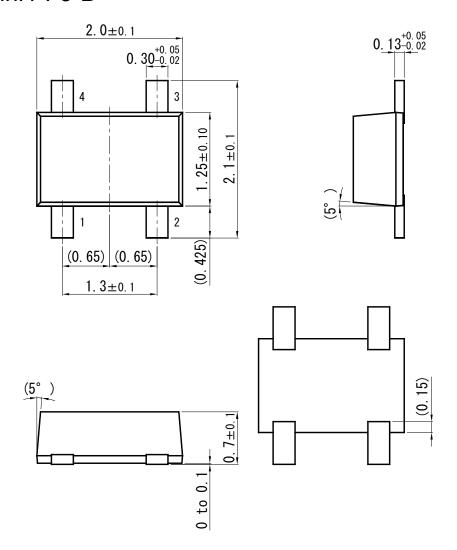
Zener Diode

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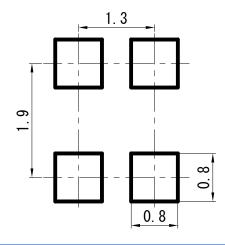
# SMini4-F3-B

**Panasonic** 

Unit: mm



### ■ Land Pattern (Reference) (Unit: mm)



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

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