Zener Diode

DZ4J270K0R

Panasonic

DZ4J270K0R

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: FG
- Basic Part Number : Dual DZ2J270 (Parallel)

Packaging

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

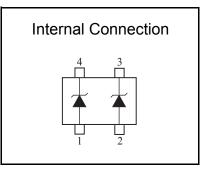
■ Absolute Maximum Ratings Ta = 25 °C

Symbol	Rating	Unit
IFRM	200	mA
PT	200	mW
ESD	±8	kV
Tj	150	°C
Topr	-40 to +85	°C
Tstg	-55 to +150	°C
	IFRM PT ESD Tj Topr	PT 200 ESD ±8 Tj 150 Topr -40 to +85

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)

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	_



■ 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	25.65		28.35	V
Zener operating resistance	RZ	IZ = 2 mA			120	Ω
Zener rise operating resistance	RZK	IZ = 0.5 mA			120	Ω
Reverse current	IR	VR = 21 V			0.05	μA
Temperature coefficient of zener voltage *3	SZ	IZ = 2 mA		26.3		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

: 2013-10-07

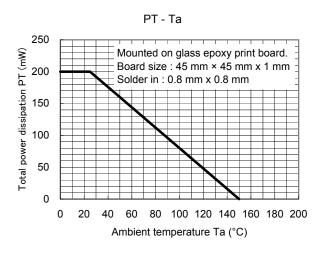
^{*2:} Test method:IEC61000_4_2(C = 150 pF,R = 330 Ω , Contact discharge:10 times)

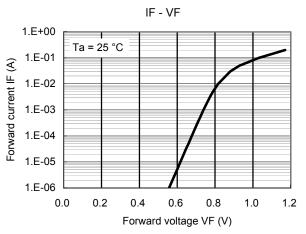
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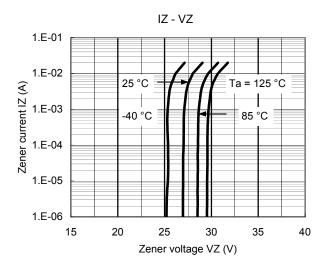
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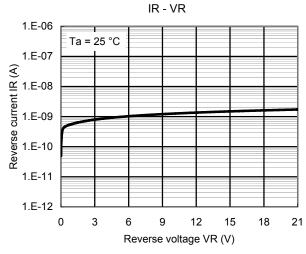
DZ4J270K0R

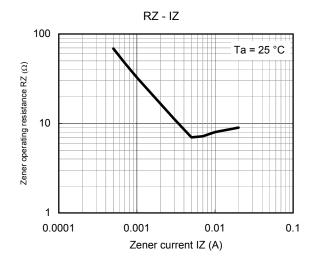
Technical Data (reference)

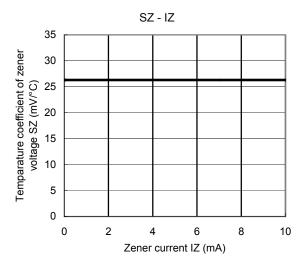












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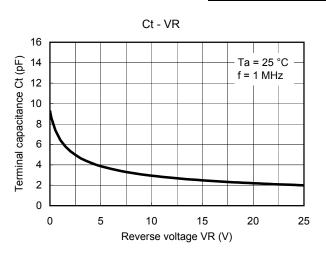
Established: 2009-12-21 Revised: 2013-10-07 Revision. 3

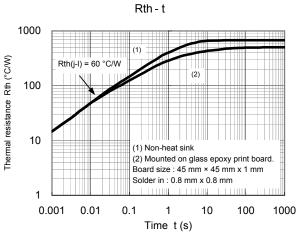
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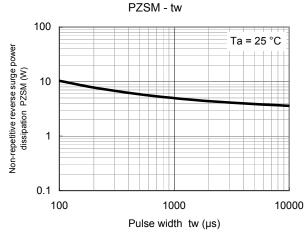
Zener Diode

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Technical Data (reference)







Established: 2009-12-21 Revised: 2013-10-07

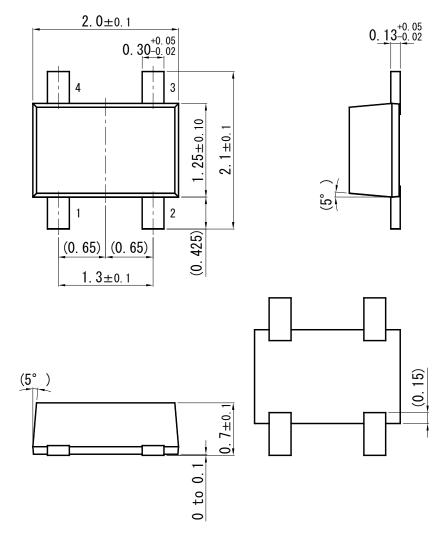
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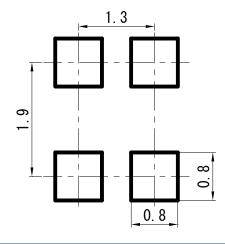
SMini4-F3-B

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Unit: mm



■ Land Pattern (Reference) (Unit: mm)



Established: 2009-12-21 Revised: 2013-10-07

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