Panasonic

DZ4J027K0R

Zener Diode

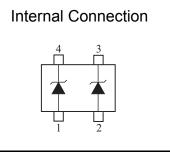
Silicon epitaxial planar type

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: 2J (0.65)(0.65) Basic Part Number : 1.3 Dual DZ2J027 (Parallel) Packaging 3. Cathode-2 1. Anode-1 Embossed type (Thermo-compression sealing) 3 000 pcs / reel (standard) 4. Cathode-1 2. Anode-2 Panasonic SMini4-F3-B Absolute Maximum Ratings Ta = 25 °C JEITA SC-113BB Parameter Unit Code Symbol Rating Repetitive peak forward current IFRM 200 mΑ

		200	
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	Тур	Max	Unit	
Forward voltage	VF	IF = 10 mA			1.0	V	
Zener voltage *1, *2	VZ	IZ = 5 mA	2.57		2.84	V	
Zener operating resistance	RZ	IZ = 5 mA			110	Ω	
Reverse current	IR	VR = 1 V			120	μA	
Temperature coefficient of zener voltage *3	SZ	IZ = 5 mA		-1.9		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)

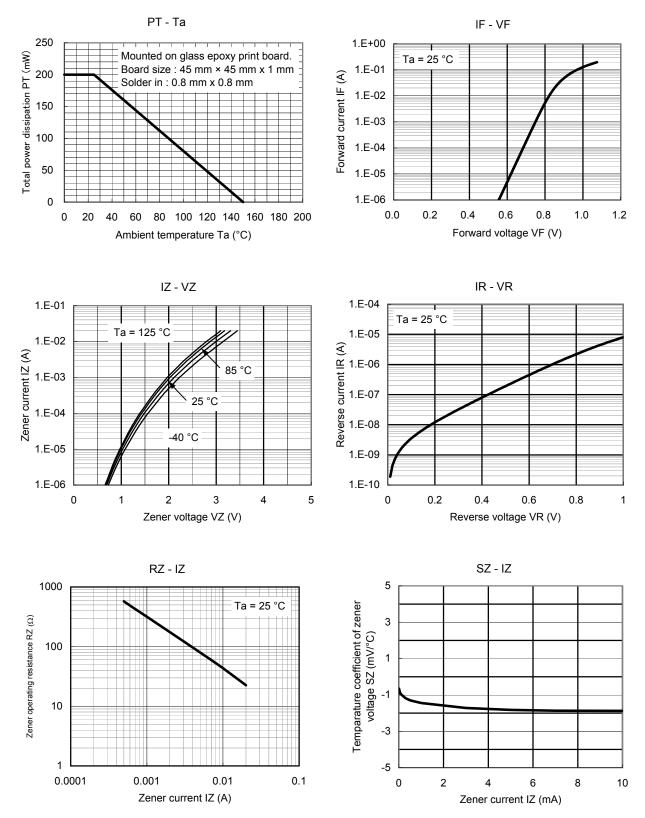
*2: VZ guaranted 20 ms after current flow.

*3: Tj = 25 °C to 150 °C



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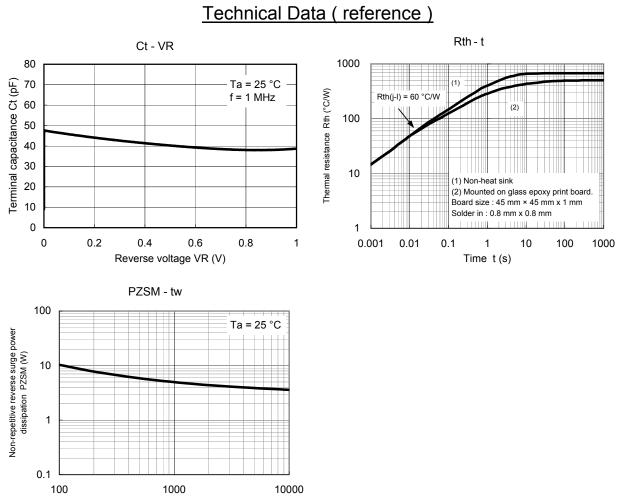
Technical Data (reference)



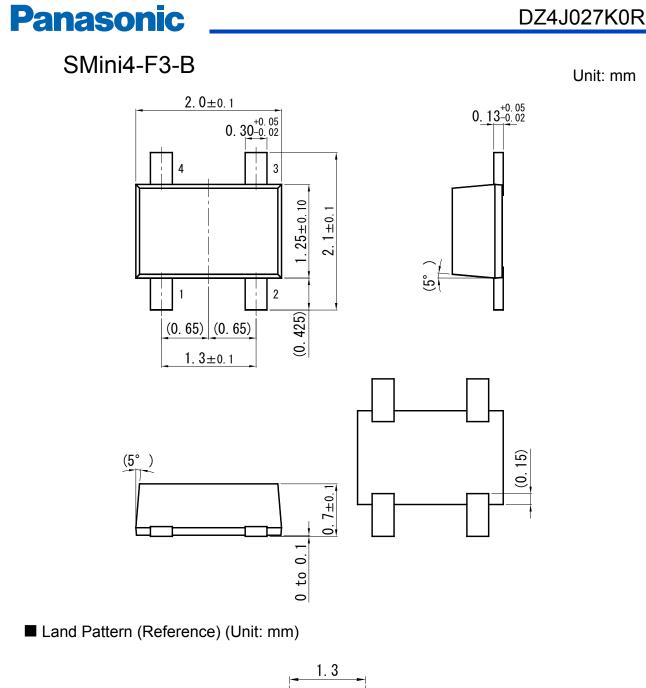
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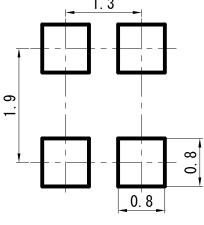
Established : 2009-12-21 Revised : 2013-10-04 **Panasonic**

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Pulse width tw (µs)





Zener Diode

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

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