Panasonic

DZ4J047K0R

Total power dissipation

Electrostatic discharge

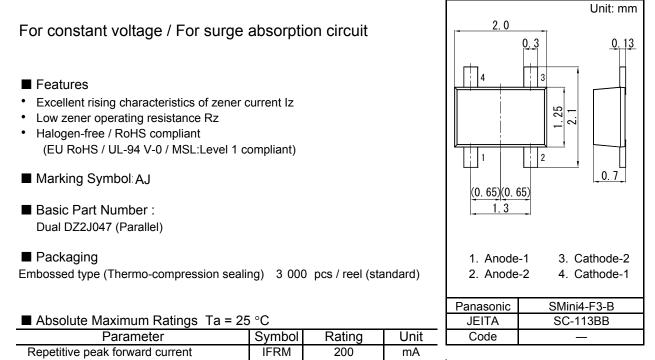
Operating ambient temperature

Junction temperature

Storage temperature

Zener Diode DZ4J047K0R

Silicon epitaxial planar type



200

±15

150

-40 to +85

-55 to +150

PT

ESD

Ti

Topr

Tstg

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

mW

kV

°C

°C °C

Internal Connection						

Established	: 2009-12-11

Downloaded from Arrow.com.

■ Electrical Characteristics Ta = 25 °C ± 3 °C

Solder in (0.8 mm x 0.8 mm)

Note) *1: Mounted on glass epoxy print board. (45 mm x 45 mm x 1 mm)

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 10 mA			1.0	V
Zener voltage *1, *2	VZ	IZ = 5 mA	4.47		4.94	V
Zener operating resistance	RZ	IZ = 5 mA			80	Ω
Zener rise operating resistance	RZK	IZ = 1 mA			800	Ω
Reverse current	IR	VR = 1 V			2.0	μA
Temperature coefficient of zener voltage *3	SZ	IZ = 5 mA		0.5		mV/°C

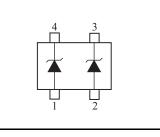
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.

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

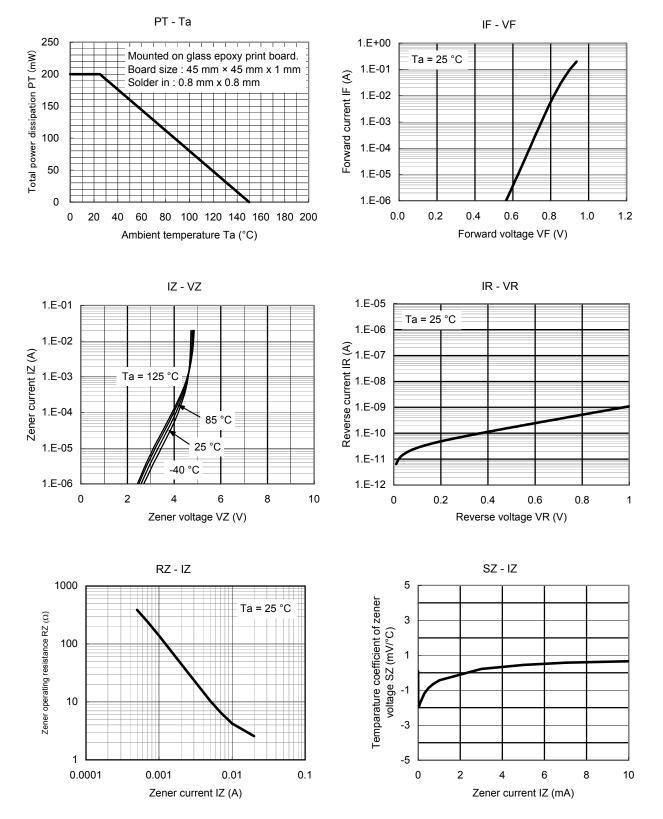






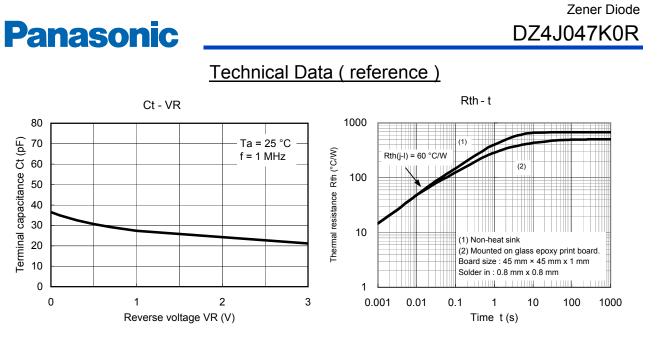
Zener Diode DZ4J047K0R

Technical Data (reference)

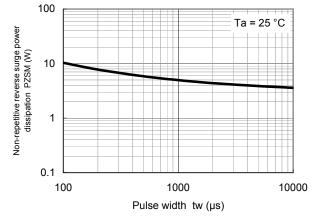


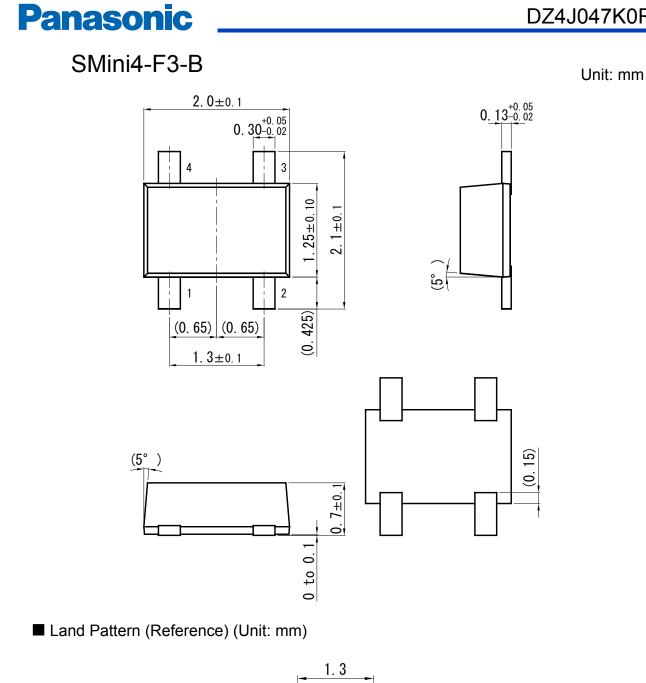
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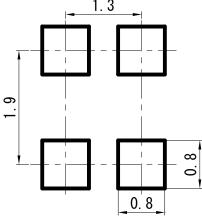
Terminal capacitance Ct (pF)











Zener Diode

DZ4J047K0R

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