Zener Diode

DZ2704700L

Panasonic

DZ2704700L

Silicon epitaxial planar type

For constant voltage / For surge absorption circuit DZ2S047 in SSSMini2 type package

■ 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: AJ

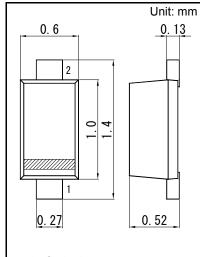
■ Packaging

Embossed type (Thermo-compression sealing) 10 000 pcs / reel (standard)

■ Absolute Maximum Ratings Ta = 25 °C

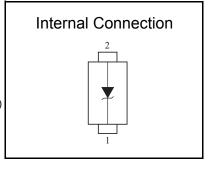
Parameter	Symbol	Rating	Unit
Repetitive peak forward current	IFRM	200	mA
Total power dissipation *1	PT	120	mW
Electrostatic discharge *2	ESD	±15	kV
Junction temperature	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +150	°C

Note) *1: Mounted on glass epoxy print board. (45 mm x 45 mm x 1 mm) Solder in (0.4 mm x 0.3 mm)



- 1. Cathode
- 2. Anode

Panasonic	SSSMini2-F4-B
JEITA	SC-104A
Code	SOD-723



■ 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	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

Established: 2011-04-28

: 2013-10-07

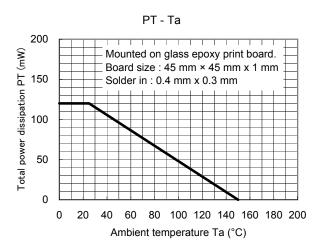
Revised

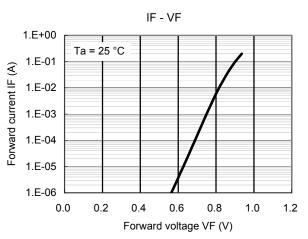
^{*2:} Test method:IEC61000 4 2(C = 150 pF,R = 330 Ω , Contact discharge:10 times)

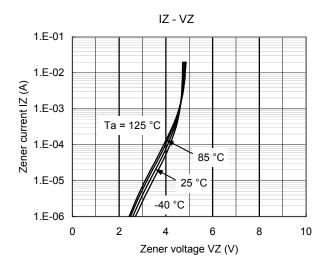
Zener Diode

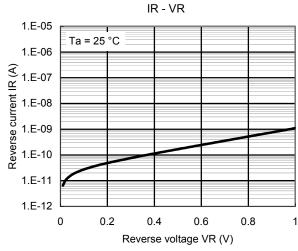
DZ2704700L

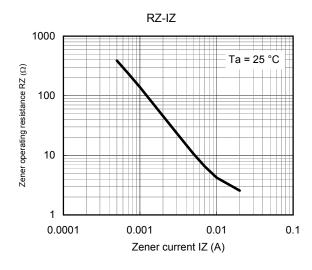
Technical Data (reference)

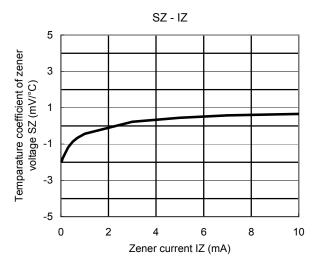












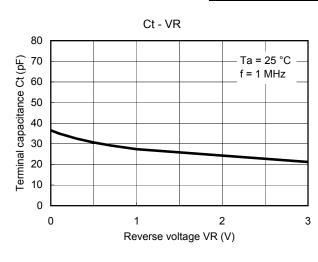
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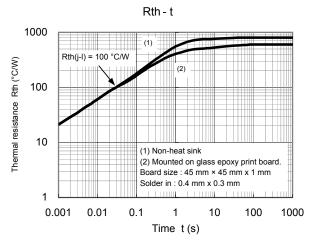
Established: 2011-04-28 Revised: 2013-10-07 **Panasonic**

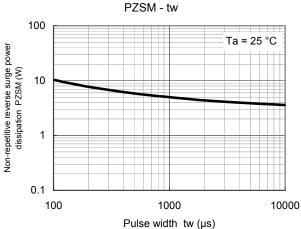
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Technical Data (reference)







Established: 2011-04-28

: 2013-10-07

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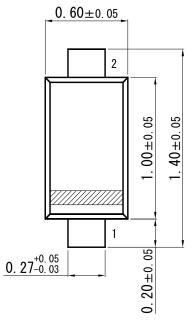
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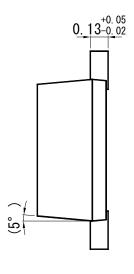
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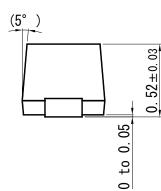
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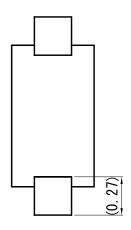
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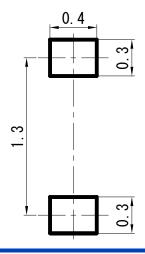








■ Land Pattern (Reference) (Unit: mm)



Established: 2011-04-28 Revised: 2013-10-07

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