Zener Diode

DE2704300L

Panasonic

DE2704300L

Silicon epitaxial planar type

For ESD protection DE2S043 in SSSMini2 type package

■ Features

- High ESD
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol:9C

■ Packaging

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

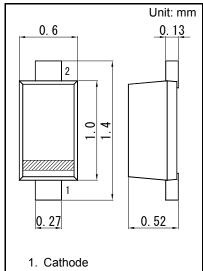
■ Absolute Maximum Ratings Ta = 25 °C Parameter Symbol Rating Unit mWTotal power dissipation PT 120 Electrostatic discharge **ESD** ±30 kV Junction temperature Τį 150 °C Operating ambient temperature Topr -40 to +85 °C

Storage temperature Tstg -55 to +150

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)

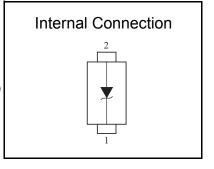
*2: Test method:IEC61000_4_2(C = 150 pF,R = 330 Ω , Contact discharge:10 times)



2. Anode

°C

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



■ Electrical Characteristics Ta = 25 $^{\circ}$ C \pm 3 $^{\circ}$ C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Zener voltage *1,*2	VZ	IZ = 1 mA	4.09		4.52	V
Reverse current	IR	VR = 1 V			10.0	μA
Terminal capacitance	Ct	VR = 0V, f = 1 MHz		91		pF
Temperature coefficient of zener voltage *3	SZ	IZ = 1 mA		-2.1		mV/°C

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

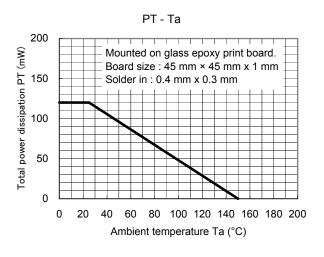
- *1: The temperature must be controlled 25°C for VZ mesurement.
 VZ value measured at other temperature must be adjusted to VZ (25°C)
 - *2: VZ guaranted 20 ms after current flow.
 - *3: Tj = 25°C to 150°C

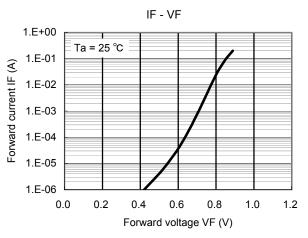
Established : 2012-03-16 Revised : 2013-11-01 **Panasonic**

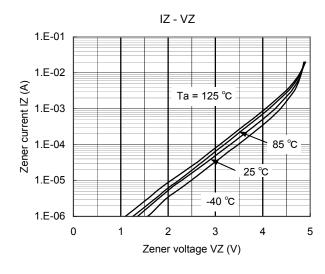
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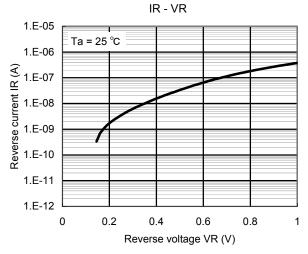
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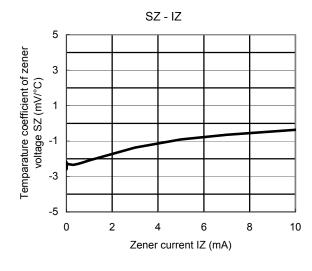
Technical Data (reference)

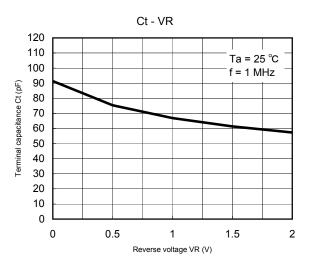












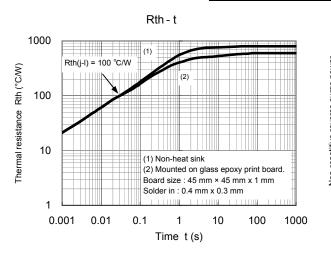
Established: 2012-03-16 Revised: 2013-11-01 Doc No. TT4-EA-14158 Revision. 5

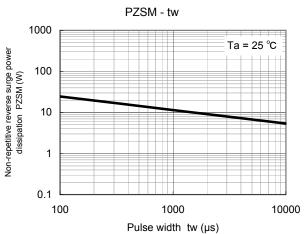
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Zener Diode

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Technical Data (reference)





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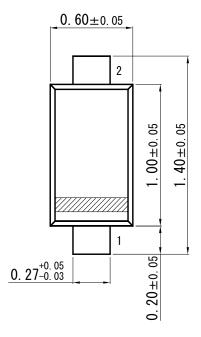
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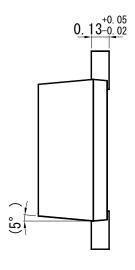
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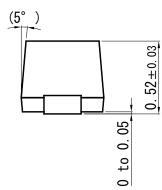
SSSMini2-F4-B

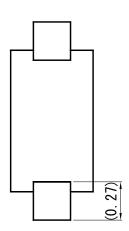
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Unit: mm

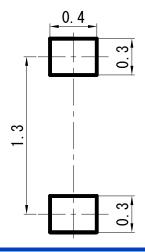








■ Land Pattern (Reference) (Unit: mm)



Established: 2012-03-16 Revised: 2013-11-01

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