Zener Diode

DE2707500L

Panasonic

DE2707500L

Silicon epitaxial planar type

For ESD protection DE2S075 in SSSMini2 type package

■ Features

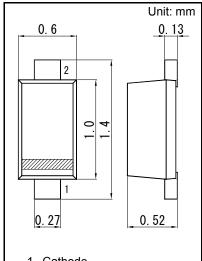
- High ESD
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: EC

■ Packaging

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

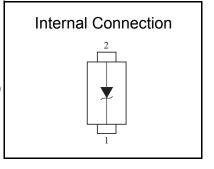
■ Absolute Maximum Ratings Ta = 25 °C Parameter Symbol Rating Unit Total power dissipation mWPT 120 Electrostatic discharge **ESD** ±30 kV Junction temperature Τį 150 °C Operating ambient temperature Topr -40 to +85 °C Storage temperature -55 to +150 °C Tstg

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
Zener voltage *1,*2	VZ	IZ = 1 mA	7.13		7.88	V
Reverse current	IR	VR = 5 V			0.5	μA
Terminal capacitance	Ct	VR = 0V, f = 1 MHz		47		pF
Temperature coefficient of zener voltage *3	SZ	IZ = 1 mA		3.7		mV/°C

- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.
 - 2. *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: 2012-01-31 : 2013-11-01 Revised

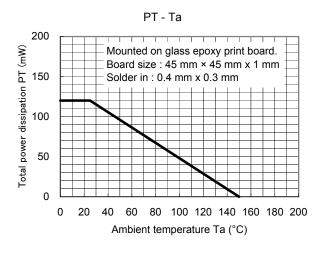
^{*2:} Test method:IEC61000_4_2(C = 150 pF,R = 330 Ω , Contact discharge:10 times)

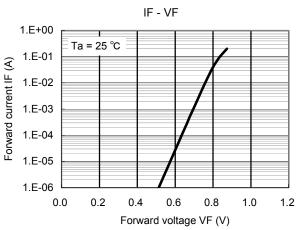
Panasonic

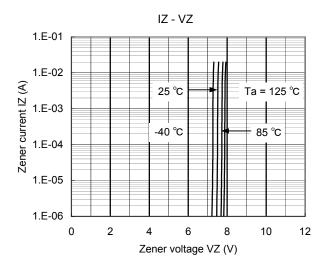
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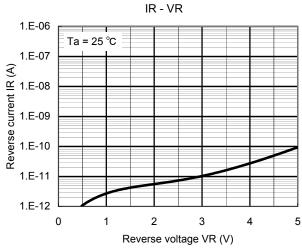
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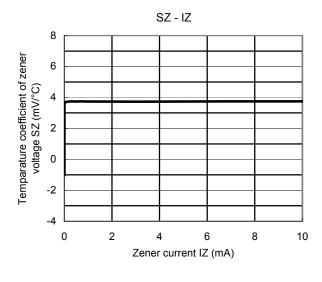
Technical Data (reference)

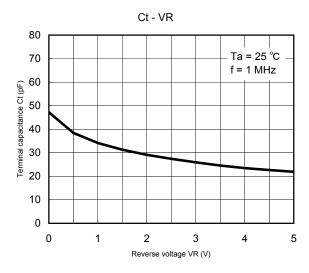












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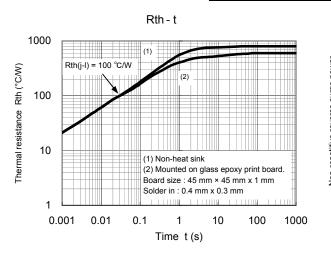
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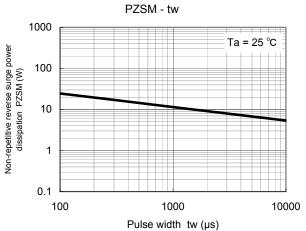
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Technical Data (reference)





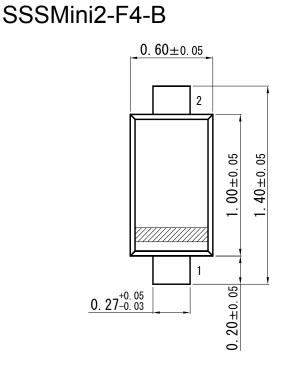
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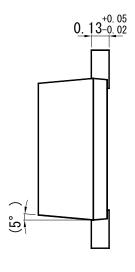
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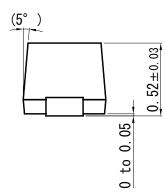
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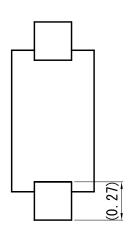
Panasonic

Unit: mm

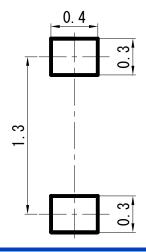








■ Land Pattern (Reference) (Unit: mm)



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