Zener Diode

# DE2S06200L

# **Panasonic**

# DE2S06200L

### Silicon epitaxial planar type

### For ESD protection

### ■ Features

- High ESD
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: E1

### ■ Packaging

Embossed type (Thermo-compression sealing) 3 000 pcs / reel (standard)

### ■ Absolute Maximum Ratings Ta = 25 °C Parameter Symbol Rating Unit Total power dissipation mWPT 150 Electrostatic discharge **ESD** ±30 kV Junction temperature Τį 150

Junction temperature

Operating ambient temperature

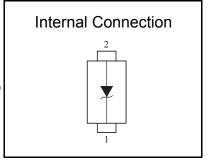
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T

Solder in (  $0.8 \text{ mm} \times 0.6 \text{ mm}$ )
\*2: Test method:IEC61000\_4\_2(C = 150 pF,R = 330  $\Omega$ , Contact discharge:10 times)

# Unit: mm 0. 8 0. 13 2 2 1. Cathode 2. Anode

Panasonic	SSMini2-F5-B
JEITA	SC-79
Code	SOD-523



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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Zener voltage *1,*2	VZ	IZ = 1 mA	5.89		6.51	V
Reverse current	IR	VR = 4 V			1.0	μA
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz		55		pF
Temperature coefficient of zener voltage *3	SZ	IZ = 1 mA		2.3		mV/°C

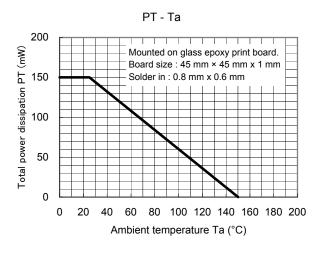
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.
  - 2. \*1: The temperature must be controlled 25°C for VZ mesurement. VZ value measured at other temperature must be adjusted to VZ (25°C)
    - \*2: VZ guaranted 20 ms after current flow.
    - \*3: Tj = 25°C to 150°C

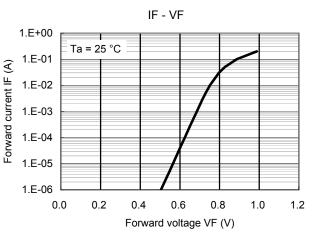
Established: 2010-07-26 Revised: 2013-09-25 **Panasonic** 

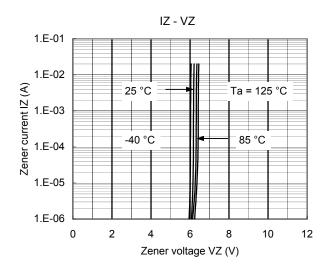
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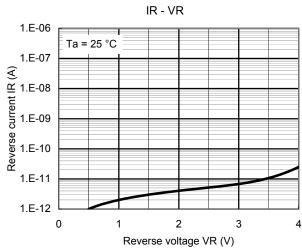
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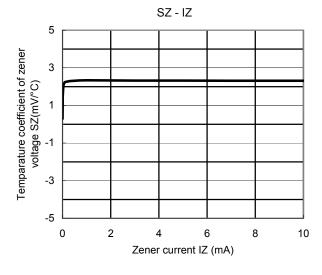
# Technical Data (reference)

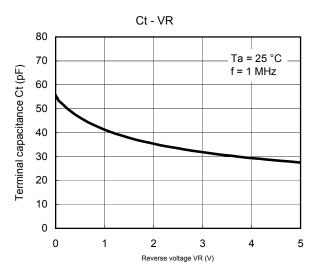












Established: 2010-07-26 Revised: 2013-09-25 Doc No. TT4-EA-12698

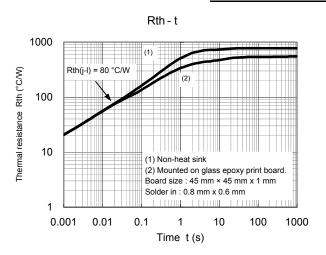
Revision. 3

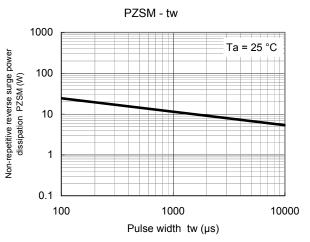
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# Technical Data (reference)





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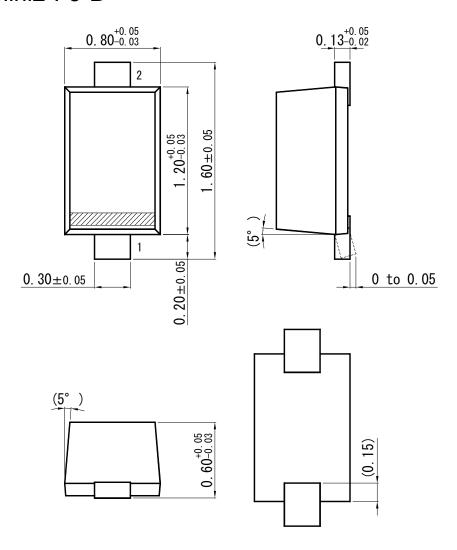
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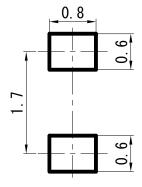
# SSMini2-F5-B

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Unit: mm



### ■ Land Pattern (Reference) (Unit: mm)



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