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# Panasonic

Zener Diode DZ2722000L

### DZ2722000L Silicon epitaxial planar type

# For constant voltage / For surge absorption circuit DZ2S220 in SSSMini2 type package

- Features
- · Excellent rising characteristics of zener current Iz
- Low zener operating resistance RzHalogen-free / RoHS compliant
  - (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: CG

### Packaging

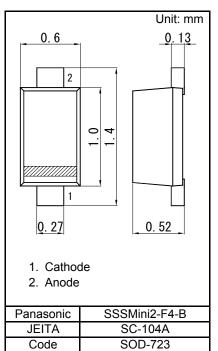
Embossed type (Thermo-compression sealing) : 10 000 pcs / reel (standard)

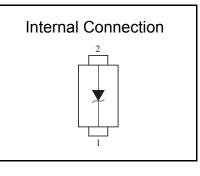
■ Absolute Maximum Ratings Ta = 25 °C

| Parameter                             | Symbol | Rating      | Unit |
|---------------------------------------|--------|-------------|------|
| Repetitive peak forward current       | IFRM   | 200         | mA   |
| Total power dissipation <sup>*1</sup> | PT     | 120         | mW   |
| Electrostatic discharge *2            | ESD    | ±8          | kV   |
| Junction temperature                  | Tj     | 150         | С°   |
| 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)

\*2: Test method:IEC61000\_4\_2(C = 150 pF,R = 330 Ω, Contact discharge:10 times)





### Electrical Characteristics Ta = 25 °C ± 3 °C Parameter Symbol Conditions Min Тур Max Unit Forward voltage IF = 10 mA VF 1.0 V 20.90 IZ = 5 mA V Zener voltage \*1, VZ 23.10 Zener operating resistance RZ IZ = 5 mA 80 Ω Zener rise operating resistance RZK IZ = 0.5 mA 100 Ω Reverse current IR VR = 17 V 0.05 μA IZ = 5 mA 22.2 mV/°C SZ Temperature coefficient of zener voltage

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.

 \*1: The temperature must be controlled 25 °C for VZ mesurement. VZ value measured at other temperature must be adjusted to VZ (25 °C)

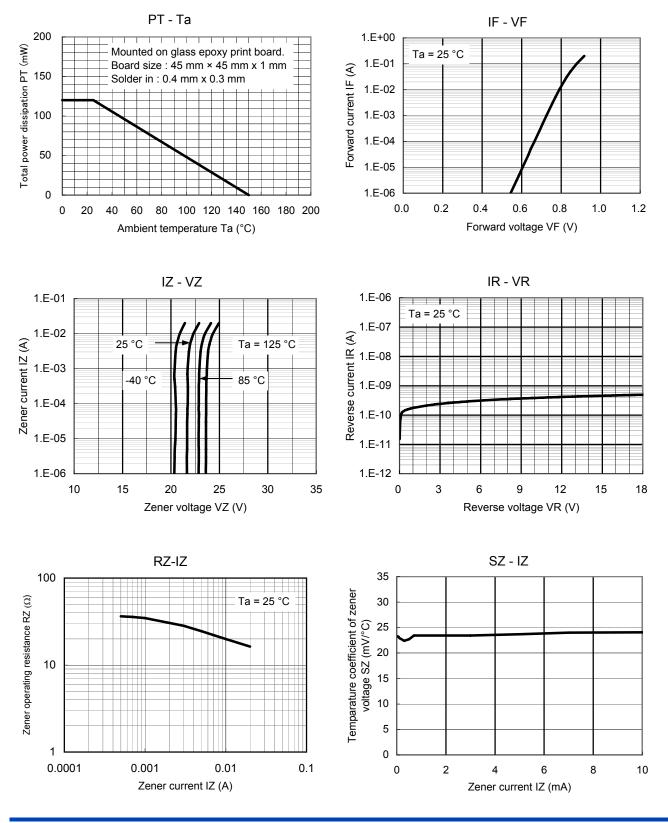
\*2: VZ guaranted 20 ms after current flow.

\*3: Tj = 25 °C to 150 °C



Zener Diode DZ2722000L

### Technical Data (reference)

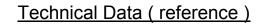


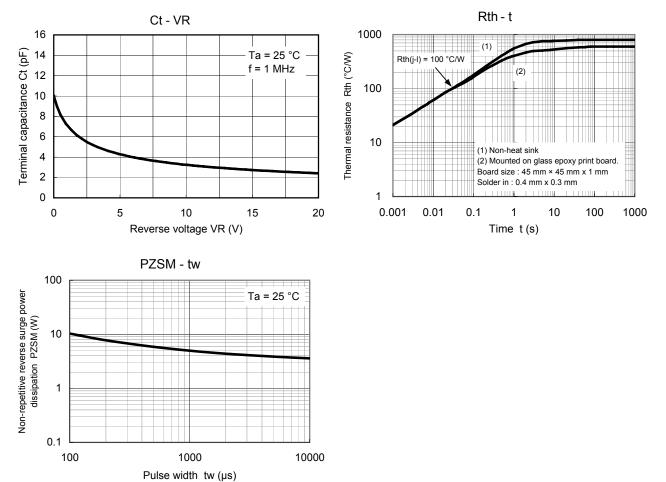
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Zener Diode DZ2722000L





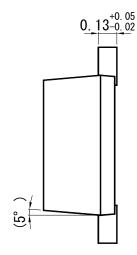


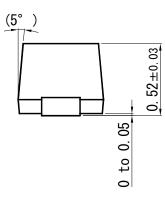
Zener Diode DZ2722000L

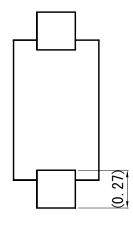
Unit: mm

## SSSMini2-F4-B

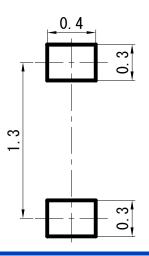
0. 60±0.05 2 2 90 0 0 1 0. 27-0.03 0 27-0.03







Land Pattern (Reference) (Unit: mm)



Established : 2010-07-08 Revised : 2013-10-16

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