Panasonic

Zener Diode

DZ2703000L Silicon epitaxial planar type

For constant voltage / For surge absorption circuit DZ2S030 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: 3J

Packaging

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

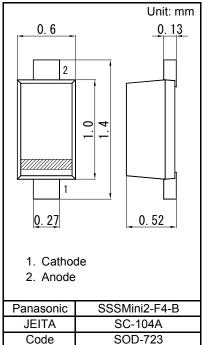
■ Absolute Maximum Ratings Ta = 25 °C

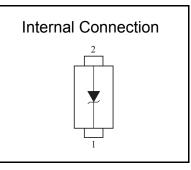
Parameter	Symbol	Rating	Unit
Repetitive peak forward current	IFRM	200	mA
Total power dissipation ^{*1}	PT	120	mW
Electrostatic discharge *2	ESD	±15	kV
Junction temperature	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +150	°C

 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)





■ Electrical Characteristics Ta = 25 °C ± 3 °C Parameter Symbol Conditions Min Max Unit Тур Forward voltage VF IF = 10 mA 1.0 V 1, *2 VZ IZ = 5 mA 2.85 3.15 V Zener voltage Zener operating resistance RZ IZ = 5 mA 120 Ω Reverse current IR VR = 1.0 V 50 μA SZ IZ = 5 mA -2.0 mV/°C 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)

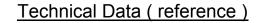
*2 VZ guaranted 20 ms after current flow.

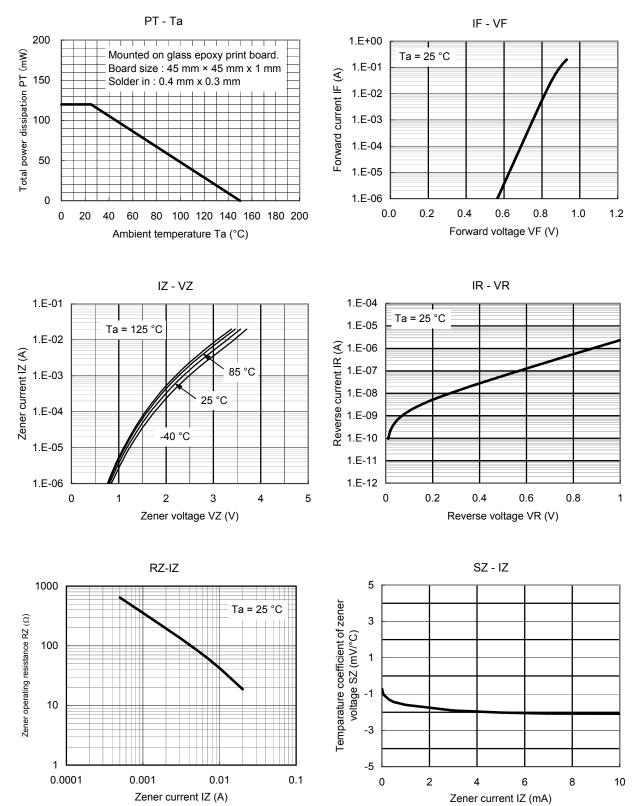
*3 Tj = 25 °C to 150 °C

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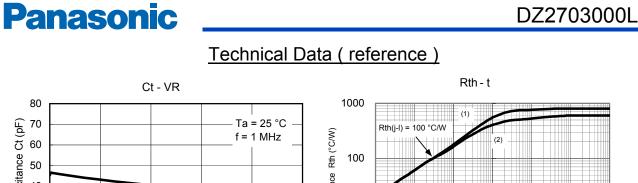


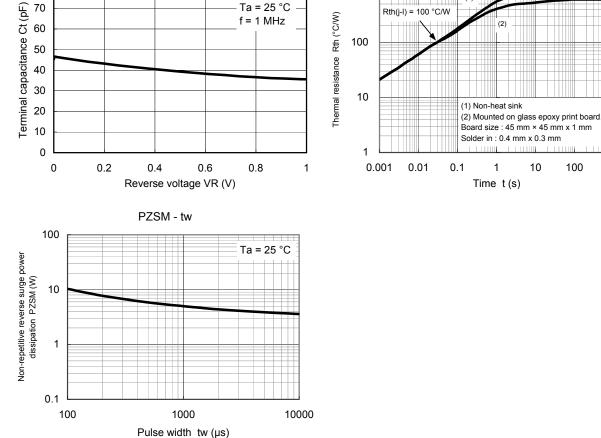


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Zener Diode

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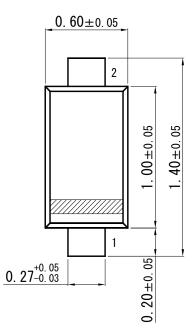
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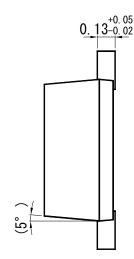


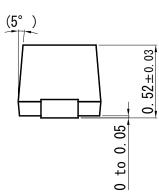
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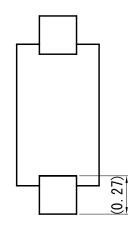
Unit: mm

SSSMini2-F4-B

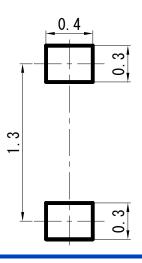








Land Pattern (Reference) (Unit: mm)



Established : 2011-04-25 Revised : 2013-10-07

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