Panasonic

Zener Diode DZ2712000L

DZ2712000L Silicon epitaxial planar type

For constant voltage / For surge absorption circuit DZ2S120 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: RJ

Packaging

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

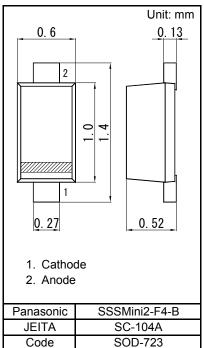
■ Absolute Maximum Ratings Ta = 25 °C

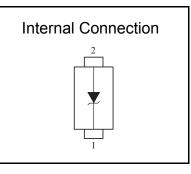
Parameter	Symbol	Rating	Unit
Repetitive peak forward current	IFRM	200	mA
Total power dissipation ^{*1}	PT	120	mW
Electrostatic discharge *2	ESD	±8	kV
Junction temperature	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +150	°C

 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)
 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 Түр Forward voltage VF IF = 10 mA 1.0 1, *2 11.40 12.60 VZ IZ = 5 mA Zener voltage Zener operating resistance RZ IZ = 5 mA 30

RZK

IR

 Temperature coefficient of zener voltage *3
 SZ
 IZ = 5 mA
 9.3
 mV/°C

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

IZ = 0.5 mA

VR = 9.0 V

2. Absolute frequency of input and output is 5 MHz.

3. *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 rise operating resistance

Reverse current

Unit

V

V

Ω

Ω

μA

80

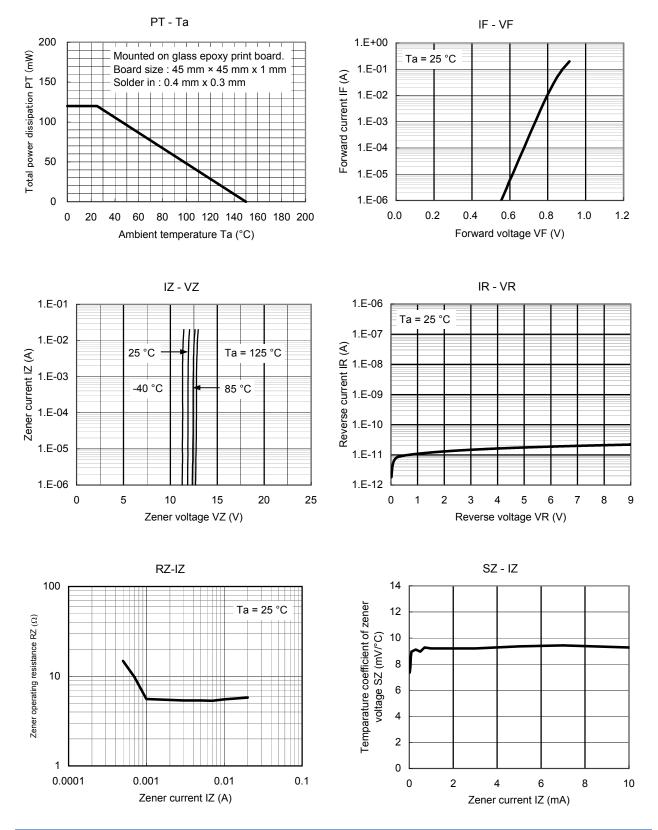
0.05





Zener Diode DZ2712000L

Technical Data (reference)

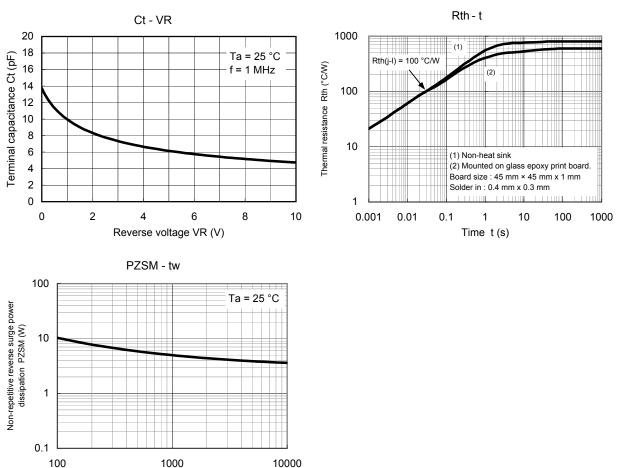


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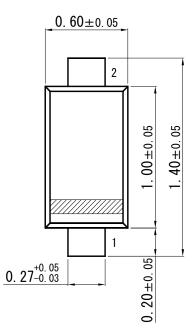
Pulse width tw (µs)

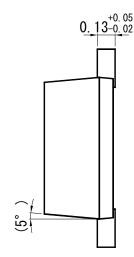
Technical Data (reference)

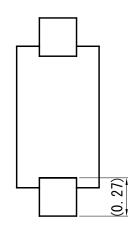


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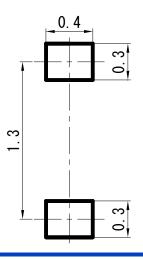
SSSMini2-F4-B







Land Pattern (Reference) (Unit: mm)



Established : 2010-02-10 Revised : 2013-10-16 Unit: mm

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