Zener Diode

DZ2727000L

Panasonic

DZ2727000L

Silicon epitaxial planar type

For constant voltage / For surge absorption circuit DZ2S270 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:FG

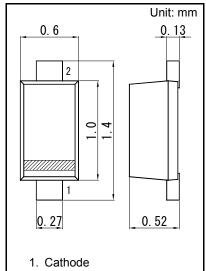
■ Packaging

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

■ Absolute Maximum Ratings Ta = 25 °C

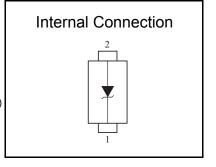
Parameter	Symbol	Rating	Unit
Repetitive peak forward current	IFRM	200	mA
Total power dissipation *1	PT	120	mW
Electrostatic discharge *2	ESD	±8	kV
Junction temperature	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +150	°C

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. 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
Forward voltage	VF	IF = 10 mA			1.0	V
Zener voltage *1, *2	VZ	IZ = 2 mA	25.65		28.35	V
Zener operating resistance	RZ	IZ = 2 mA			120	Ω
Zener rise operating resistance	RZK	IZ = 0.5 mA			120	Ω
Reverse current	IR	VR = 21 V			0.05	μΑ
Temperature coefficient of zener voltage *3	SZ	IZ = 2 mA		26.3		mV/°C

- 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

Established: 2010-08-25

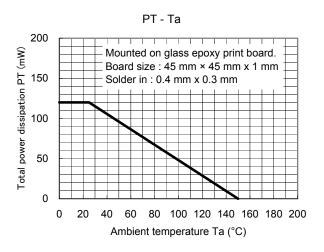
Revised

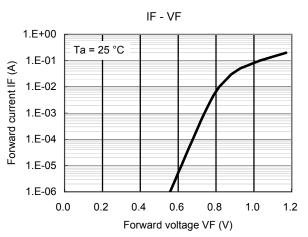
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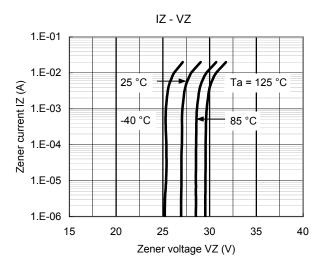
^{*2:} Test method:IEC61000 4 2(C = 150 pF,R = 330 Ω , Contact discharge:10 times)

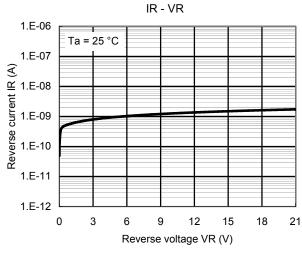
Zener Diode DZ2727000L

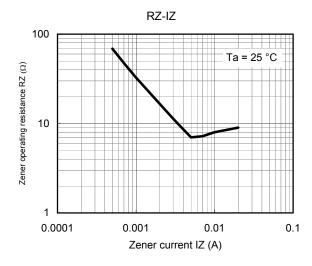
Technical Data (reference)

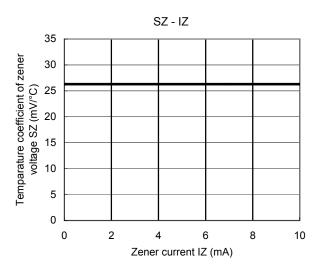








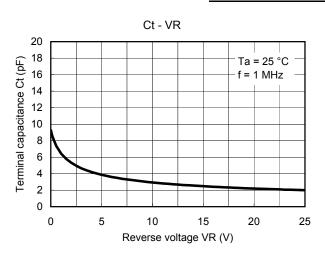


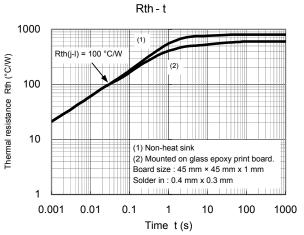


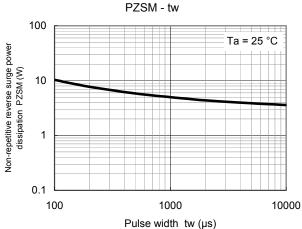
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Technical Data (reference)







Established: 2010-08-25

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: 2013-10-16

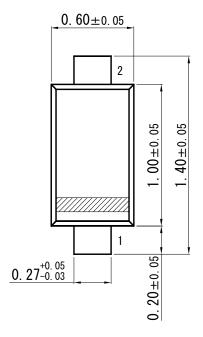
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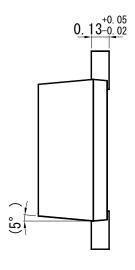
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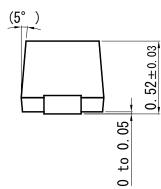
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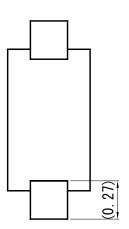
SSSMini2-F4-B



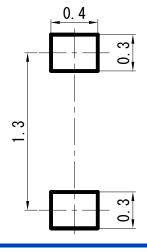








■ Land Pattern (Reference) (Unit: mm)



Established: 2010-08-25 Revised: 2013-10-16

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