Zener Diode

DZ2722000L

Panasonic

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 Rz
- Halogen-free / RoHS compliant
 (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: CG

■ Packaging

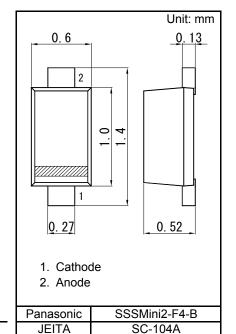
Embossed type (Thermo-compression sealing): 10 000 pcs / reel (standard)

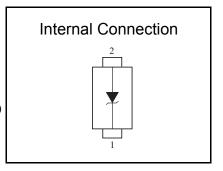
■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit			
Repetitive peak forward current	IFRM	200	mA			
Total power dissipation *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:} Test method:IEC61000_4_2(C = 150 pF,R = 330 Ω , Contact discharge:10 times)





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 = 5 mA	20.90		23.10	V
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
Temperature coefficient of zener voltage *3	SZ	IZ = 5 mA		22.2		mV/°C

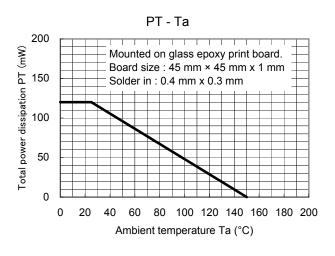
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.

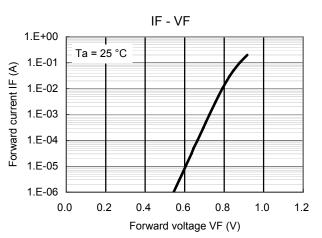
- 2. Absolute frequency of input and output is 5 MHz.
- *1: The temperature must be controlled 25 °C for VZ mesurement.
 VZ value measured at other temperature must be adjusted to VZ (25 °C)
 - *2: VZ guaranted 20 ms after current flow.
 - *3: Tj = 25 °C to 150 °C

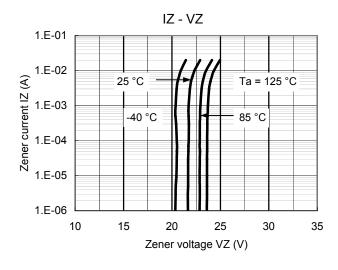
Established: 2010-07-08 Revised: 2013-10-16 **Panasonic**

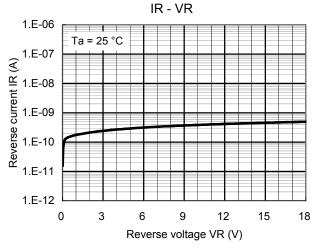
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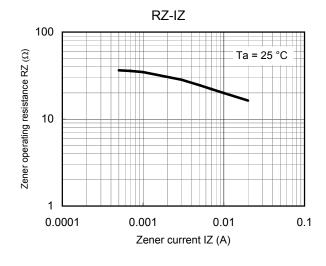
Technical Data (reference)

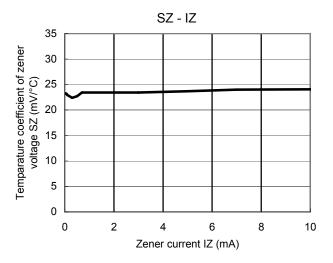












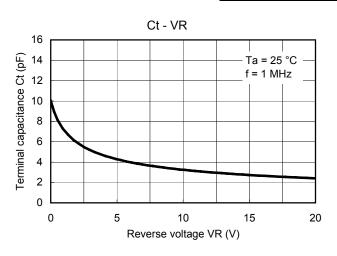
Established: 2010-07-08 Revised: 2013-10-16 Doc No. TT4-EA-12671 Revision. 5

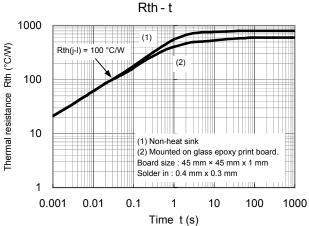
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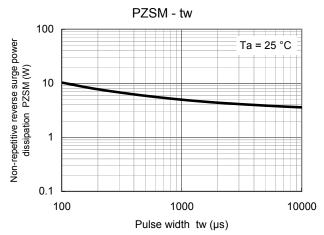
 $\begin{array}{c} \text{Zener Diode} \\ DZ2722000L \end{array}$

haired Date (reference)

Technical Data (reference)







Established: 2010-07-08

: 2013-10-16

Revised

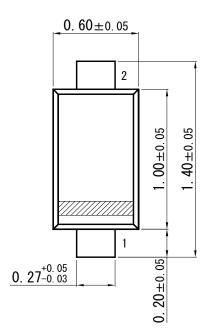
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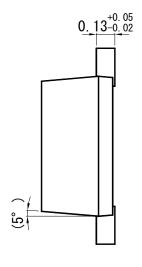
Zener Diode

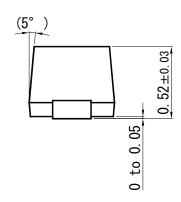
DZ2722000L

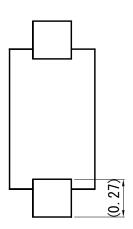
SSSMini2-F4-B

Unit: mm

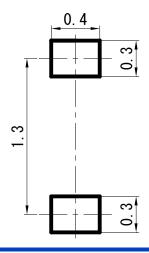








■ Land Pattern (Reference) (Unit: mm)



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

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