Revision. 1

Zener Diode

DZ2S68000L

## **Panasonic**

## DZ2S68000L

## Silicon epitaxial planar type

### For ESD protection

#### ■ Features

- High ESD
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: UG

#### ■ Packaging

Embossed type (Thermo-compression sealing) 3 000 pcs / reel (standard)

■ Absolute Maximum Ratings Ta = 25 °C

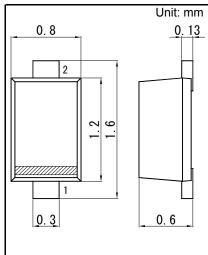
Parameter	Symbol	Rating	Unit
Total power dissipation *1	PT	150	mW
Electrostatic discharge *2	ESD	±8	kV
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Note) \*1 Mounted on glass epoxy print board. ( 45 mm x 45 mm x 1 mm)

Soldering size: 0.8 x 0.6 mm

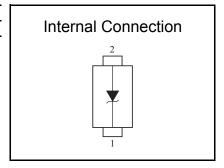
\*2 Test method:IEC61000\_4\_2

( C = 150 pF , R = 330  $\Omega$  , Contact and Air discharge : 10 times )



- 1. Cathode
- 2. Anode

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Panasonic	SSMini2-F5-B
JEITA	SC-79
Code	SOD-523



Page 1 of 4

### ■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Zener voltage *1, *2	VZ	IZ = 2 mA	63.0	68.0	73.0	V
Reverse current	IR	VR = 52 V			0.05	μA
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz		13		pF
Temperature coefficient of zener voltage *3	SZ	IZ = 2 mA		45.0		mV/°C
		·				

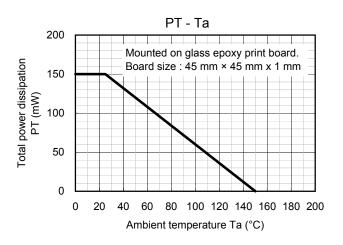
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.
  - 2. Absolute frequency of input and output is 5 MHz.
  - 3. \*1 The temperature must be controlled 25  $^{\circ}\text{C}$  for VZ mesurement. VZ value measured at other temperature must be adjusted to VZ ( 25  $^{\circ}$ C )
    - \*2 VZ guaranteed 20 ms after current flow.
    - \*3 Tj = 25 °C to 150 °C

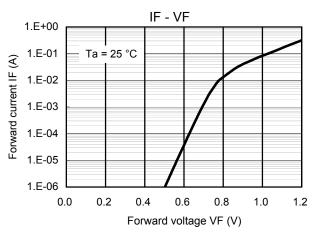
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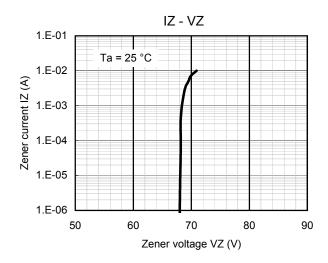
Zener Diode

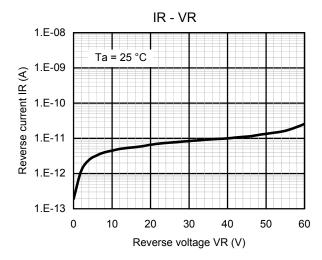
DZ2S68000L

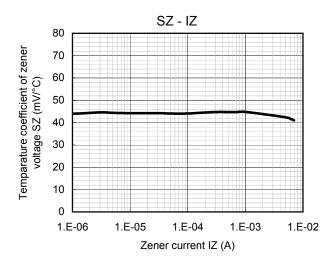
## Technical Data (reference)

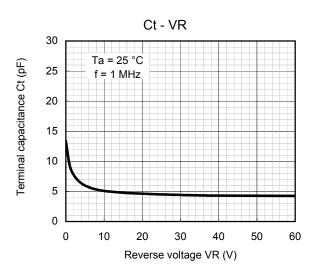












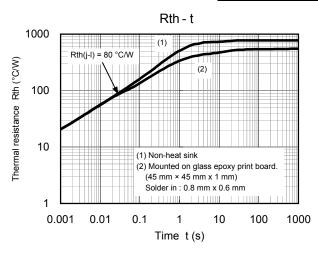
Established : 2013-12-25 Revised : ###-## Doc No. TT4-EA-14917 Revision. 1

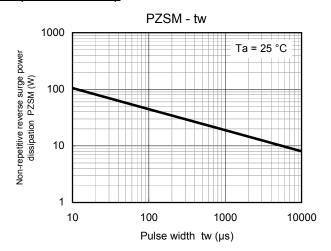
# **Panasonic**

Zener Diode

## DZ2S68000L

## Technical Data (reference)





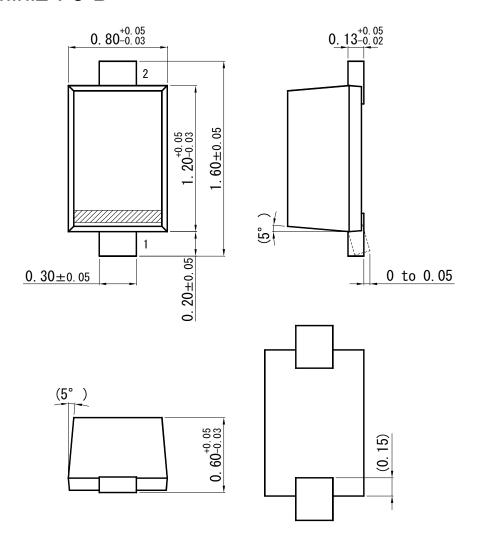
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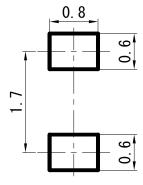
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SSMini2-F5-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



Established : 2013-12-25 Revised : ###-##-##

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