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Zener Diode

DE2S04700L

# **Panasonic**

## DE2S04700L

### 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: AC

### ■ Packaging

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

# 

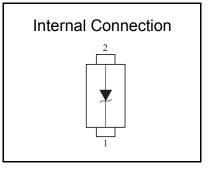
Panasonic	SSMini2-F5-B	
JEITA	SC-79	
Code	SOD-523	

### ■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit	
Total power dissipation *1	PT	150	mW	
Electrostatic discharge *2	ESD	±30	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 ( 0.8 mm x 0.6 mm)

\*2: Test method:IEC61000\_4\_2(C = 150 pF,R = 330  $\Omega$ , Contact discharge:10 times)



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

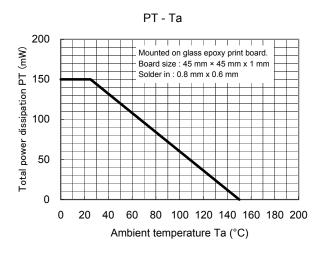
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Zener voltage *1,*2	VZ	IZ = 1 mA	4.47		4.94	V
Reverse current	IR	VR = 1 V			2.0	μA
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz		82		pF
Temperature coefficient of zener voltage *3	SZ	IZ = 1 mA		-0.5		mV/°C

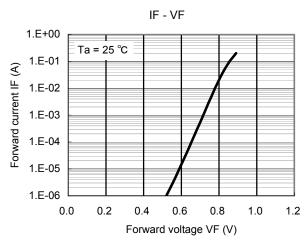
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.

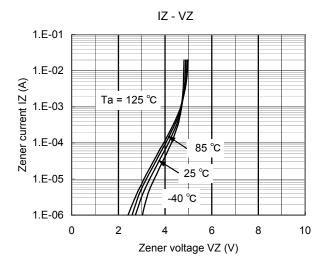
- 2. \*1: The temperature must be controlled 25°C for VZ mesurement. VZ value measured at other temperature must be adjusted to VZ (25°C)
  - \*2: VZ guaranted 20 ms after current flow.
  - \*3: Tj = 25°C to 150°C

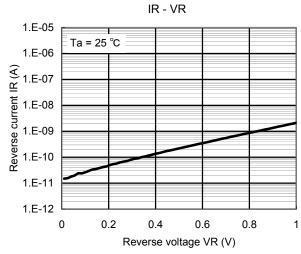
Established: 2012-10-24 Revised: 2013-11-01

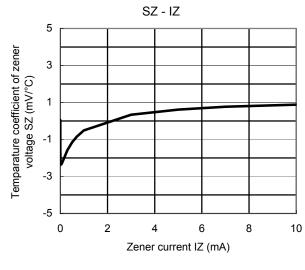
## Technical Data (reference)

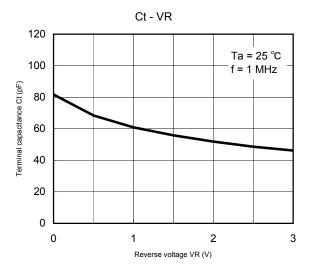










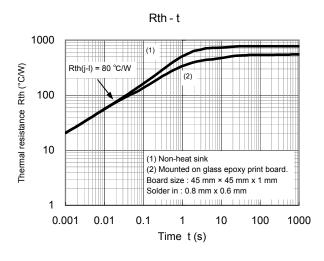


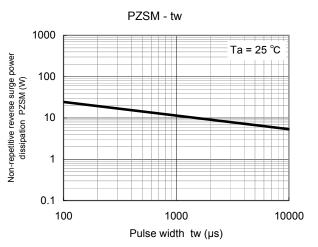
Established: 2012-10-24 Revised: 2013-11-01

**Panasonic** 

Zener Diode DE2S04700L

## Technical Data (reference)





Established: 2012-10-24 : 2013-11-01 Revised

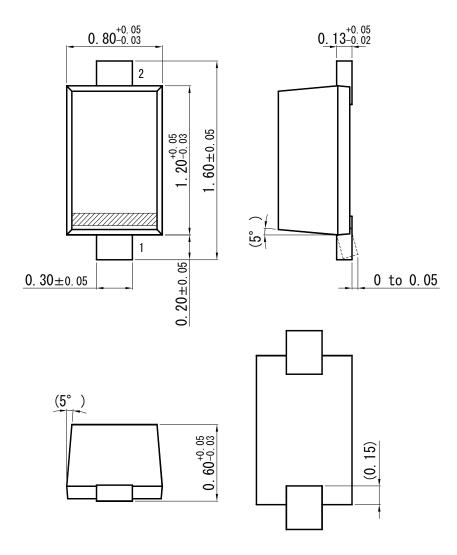
Zener Diode

DE2S04700L

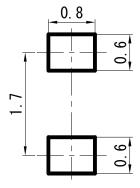
# **Panasonic**

SSMini2-F5-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



Established: 2012-10-24 Revised: 2013-11-01

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