# imall

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# **Panasonic**

Zener Diode

### DZ2703900L Silicon epitaxial planar type

# For constant voltage / For surge absorption circuit DZ2S039 in SSSMini2 type package

#### Features

- · Excellent rising characteristics of zner current Iz
- Low zener operating resistance Rz
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

Marking Symbol: 7J

#### Packaging

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

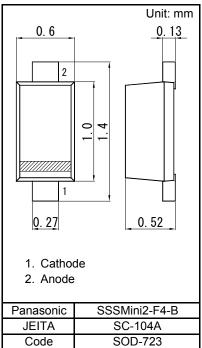
■ Absolute Maximum Ratings Ta = 25 °C

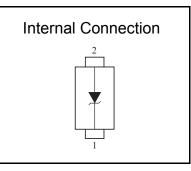
Parameter	Symbol	Rating	Unit	
Repetitive peak forward current	IFRM	200	mA	
Total power dissipation <sup>*1</sup>	PT	120	mW	
Electrostatic discharge *2	ESD	±15	kV	
Junction temperature	Tj	150	°C	
Operating ambient temperature	Topr	-40 to +85	°C	
Storage temperature	Tstg	-55 to +150	°C	

 
 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 = $25 \circ C \pm 3 \circ C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 10 mA			1.0	V
Zener voltage <sup>*1, *2</sup>	VZ	IZ = 5 mA	3.71		4.10	V
Zener operating resistance	RZ	IZ = 5 mA			130	Ω
Reverse current	IR	VR = 1.0 V			10	μA
Temperature coefficient of zener voltage *3	SZ	IZ = 5 mA		-1.3		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.

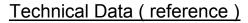
 \*1 The temperature must be controlled 25 °C for VZ mesurement. VZ value measured at other temperature must be adjusted to VZ (25 °C)

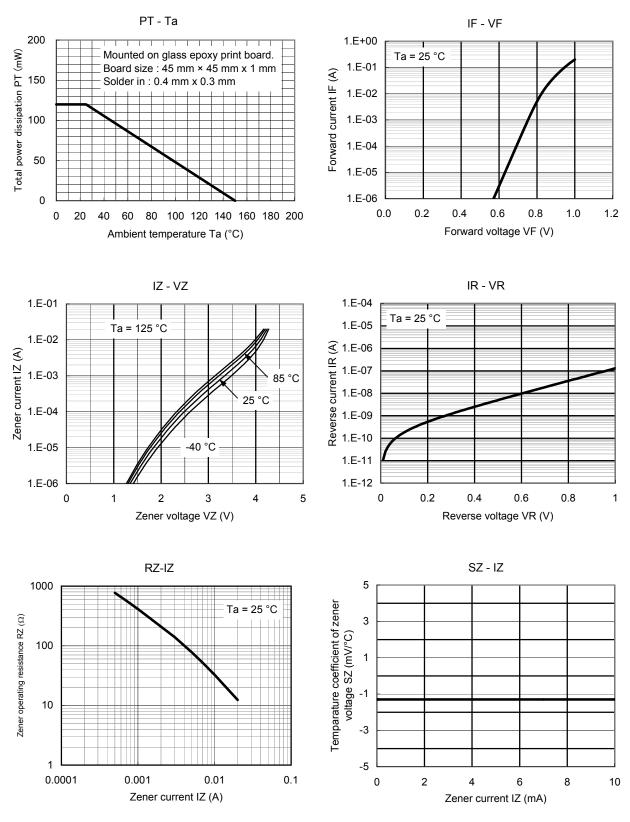
\*2 VZ guaranted 20 ms after current flow.

\*3 Tj = 25 °C to 150 °C



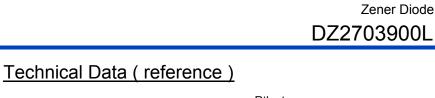
Zener Diode DZ2703900L

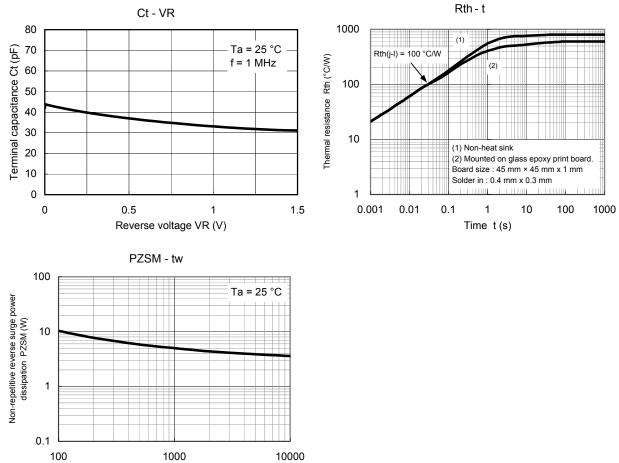




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Established : 2011-04-28 Revised : 2013-10-07 **Panasonic** 





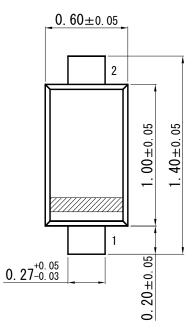
Pulse width tw (µs)

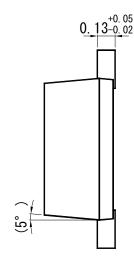


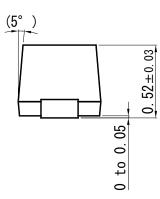
Zener Diode DZ2703900L

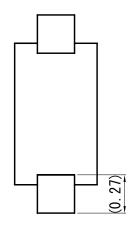
Unit: mm

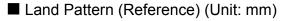
SSSMini2-F4-B

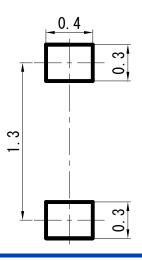












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Established : 2011-04-28 Revised : 2013-10-07

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