

Unit: mm

<u>0. 13</u>

DE2703900L Silicon epitaxial planar type

For ESD protection DE2S039 in SSSMini2 type package

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

■ Absolute Maximum Ratings Ta = 25 °C

- Marking Symbol:7C
- Packaging

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

 1
 0. 27
 0. 52

 1. Cathode
 0. 52

 1. Cathode

 2. Anode

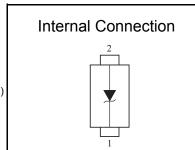
 Panasonic
 SSSMini2-F4-B

 JEITA
 SC-104A

 Code
 SOD-723

0.6

2



	-		
Parameter	Symbol	Rating	Unit
Total power dissipation ^{*1}	PT	120	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 (0.4 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 °C	C ± 3 °C					
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Zener voltage *1,*2	VZ	IZ = 1 mA	3.71		4.10	V
Reverse current	IR	VR = 1 V			10.0	μA
Terminal capacitance	Ct	VR = 0V, f = 1 MHz		94		pF
Temperature coefficient of zener voltage *3	SZ	IZ = 1 mA		-2.2		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)

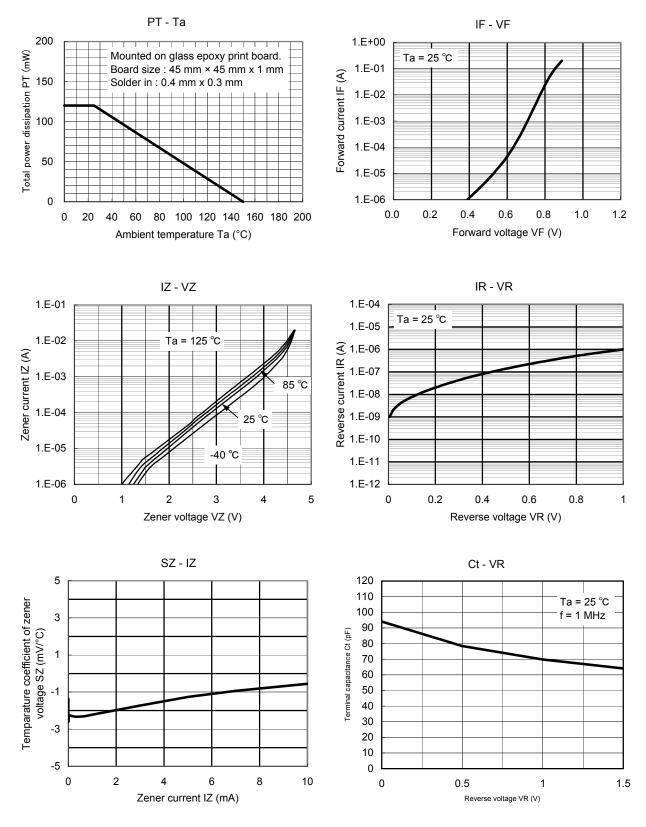
*2: VZ guaranted 20 ms after current flow.

*3: Tj = 25°C to 150°C



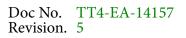


Technical Data (reference)



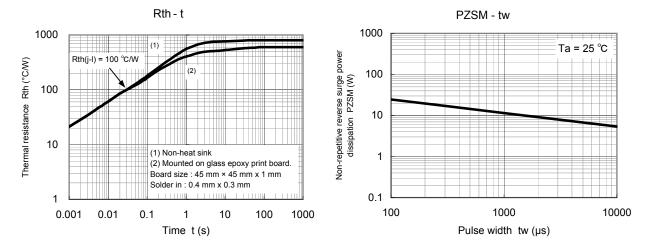
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Established : 2012-03-16 Revised : 2013-10-28



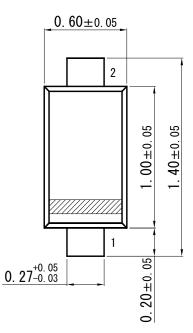


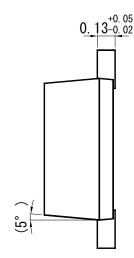
Technical Data (reference)

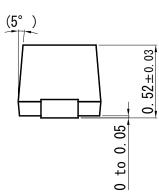


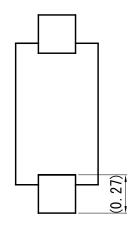


SSSMini2-F4-B

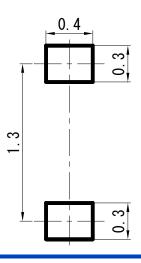








Land Pattern (Reference) (Unit: mm)



Established : 2012-03-16 Revised : 2013-10-28 Unit: mm

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