

## DE2708200L

## Silicon epitaxial planar type

For ESD protection

DE2S082 in SSSMini2 type package

#### ■ Features

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

#### ■ Marking Symbol: FC

#### ■ Packaging

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

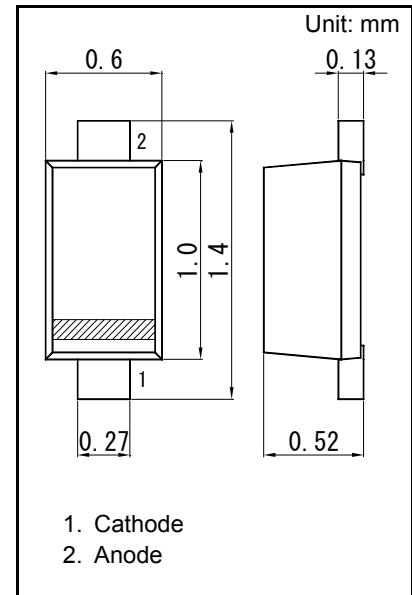
#### ■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Total power dissipation <sup>*1</sup>	PT	120	mW
Electrostatic discharge <sup>*2</sup>	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)

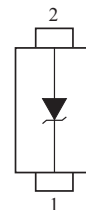
Solder in ( 0.4 mm x 0.3 mm)

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



Panasonic	SSSMini2-F4-B
JEITA	SC-104A
Code	SOD-723

#### Internal Connection



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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Zener voltage <sup>*1,*2</sup>	VZ	IZ = 1 mA	7.79		8.61	V
Reverse current	IR	VR = 5 V			0.5	μA
Terminal capacitance	Ct	VR = 0V, f = 1 MHz		43		pF
Temperature coefficient of zener voltage <sup>*3</sup>	SZ	IZ = 1 mA		4.5		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 measurement.

VZ value measured at other temperature must be adjusted to VZ (25°C)

\*2: VZ guaranteed 20 ms after current flow.

\*3: Tj = 25°C to 150°C