

Zener Diode DE3S062D0L

DE3S062D0L 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:41
- Packaging

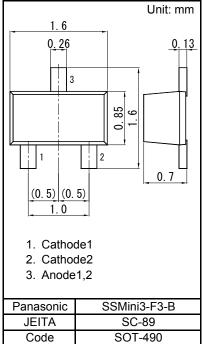
Embossed type (Thermo-compression sealing) 3 000 pcs / reel (standard)

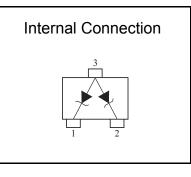
Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Total power dissipation ^{*1}	PT	150	mW
Electrostatic discharge *2	ESD	±30	kV
Junction temperature	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +150	°C

Note) *1: PT = 150 mW achieved with a printed circuit board. (2 Diode total)

*2: Test method:IEC61000_4_2(C = 150 pF,R = 330 Ω, Contact discharge:10 times)





Electrical Characteristics	$a = 25 \degree C \pm 3 \degree C$
Daramotor	Symbol

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Zener voltage *1, *2	VZ	IZ = 1 mA	5.89		6.51	V
Reverse current	IR	VR = 4 V			1.0	μA
Terminal Capacitance	Ct	VR = 0 V, f = 1 MHz		55		pF
Temperature coefficient of zener voltage *3	SZ	IZ = 1 mA		2.3		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.

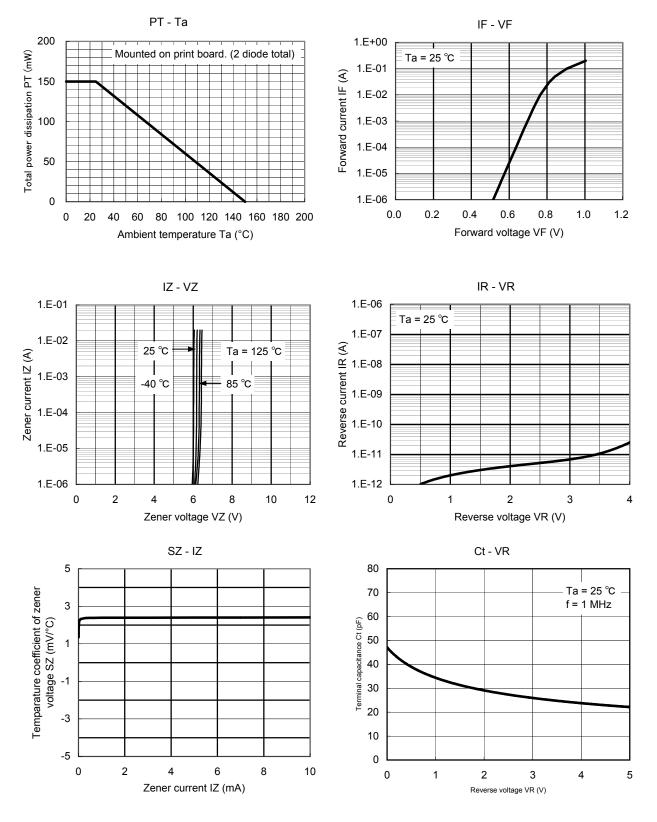
*3: Tj = 25°C to 150°C





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Technical Data (reference)



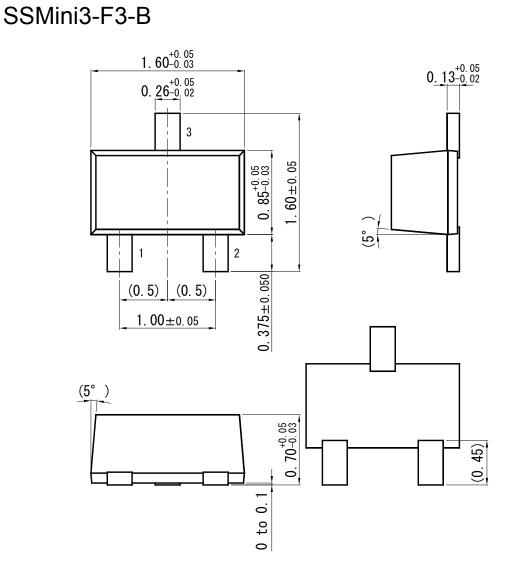
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Established : 2010-09-01 Revised : 2013-10-28

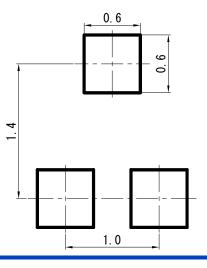


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Unit: mm



Land Pattern (Reference) (Unit: mm)



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