

# Zener Diode DE37120D0L

Unit: mm

0.13

### DE37120D0L Silicon epitaxial planar type

#### For ESD protection

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

■ Marking Symbol:48

Packaging

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

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Pa	Panasonic		SSSMini3-F2-B				
	JEITA		SC-105AA				
	Code		SOT-723				

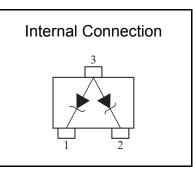
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0.3

3



Parameter	Symbol	Rating	Unit
Total power dissipation <sup>*1</sup>	PT	150	mW
Electrostatic discharge *2	ESD	±15	kV
Junction temperature	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C

Storage temperature

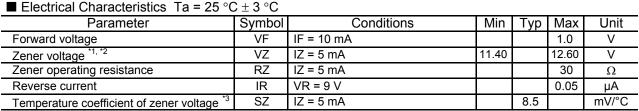
Note) \*1: PT = 150 mW achieved with a printed circuit board.

Absolute Maximum Ratings Ta = 25 °C

(2 Diode total)

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

Tstg



-55 to +150

°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.

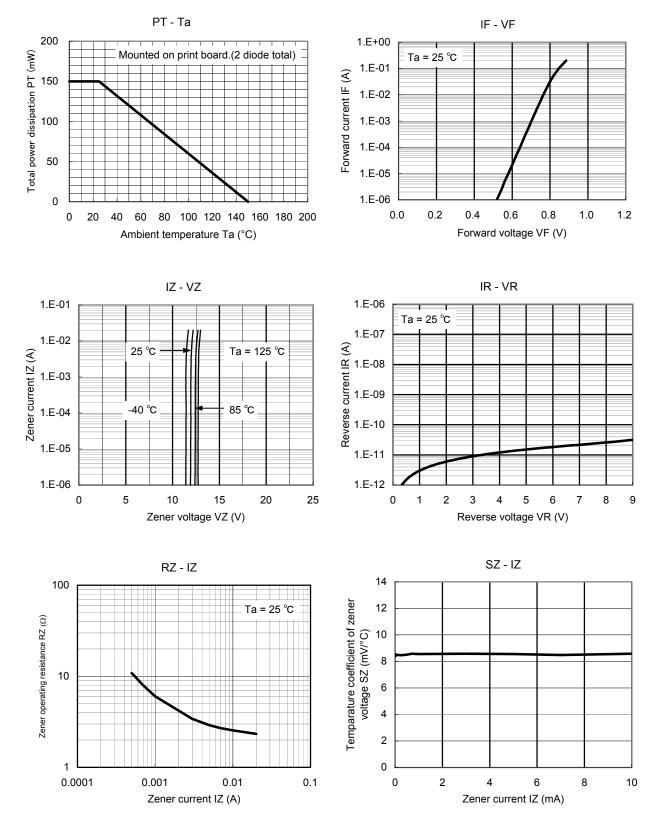
\*3: Tj = 25°C to 150°C





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#### Technical Data (reference)



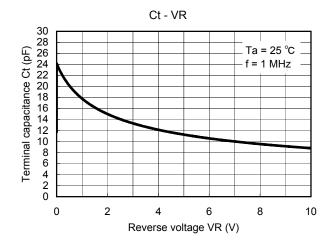
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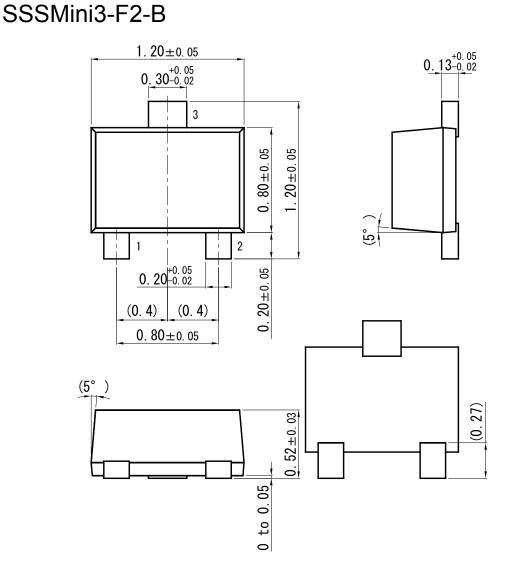
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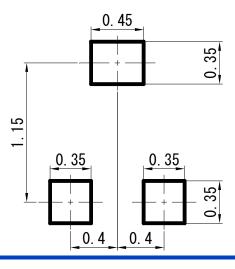


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Unit: mm



Land Pattern (Reference) (Unit: mm)



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Established : 2011-03-16 Revised : 2013-10-28

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