



DE3S062D0L

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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)

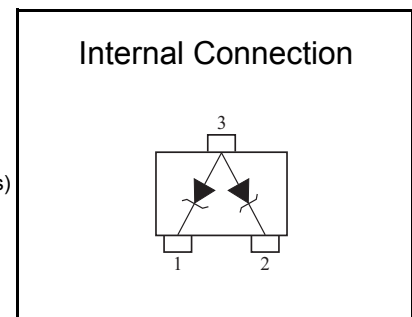
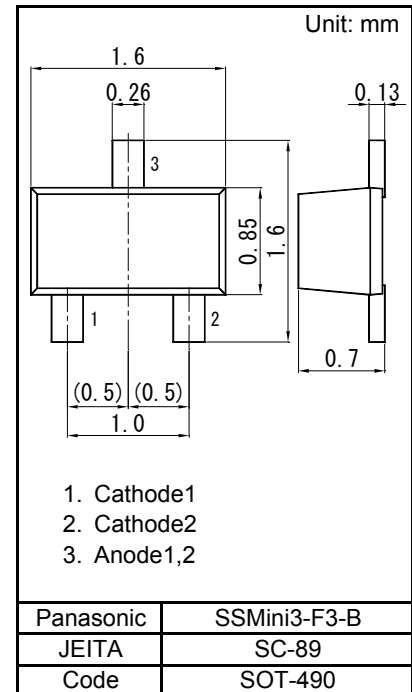
■ Absolute Maximum Ratings Ta = 25 °C

| 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 Ta = 25 °C ± 3 °C

| Parameter | Symbol | Conditions | Min | Typ | 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.

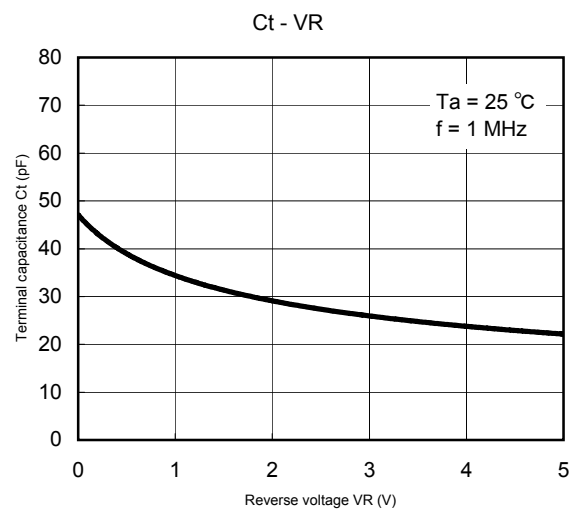
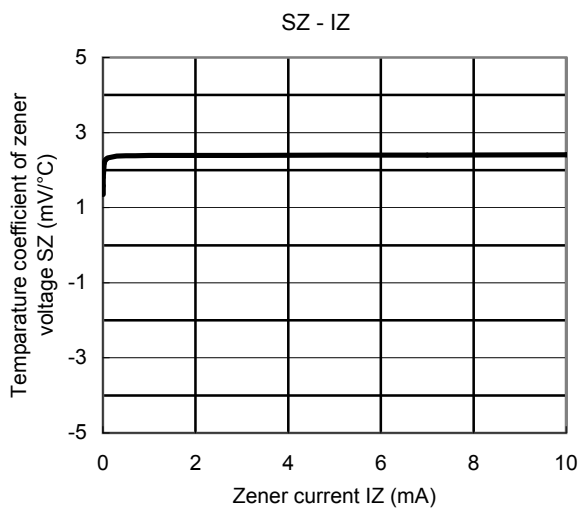
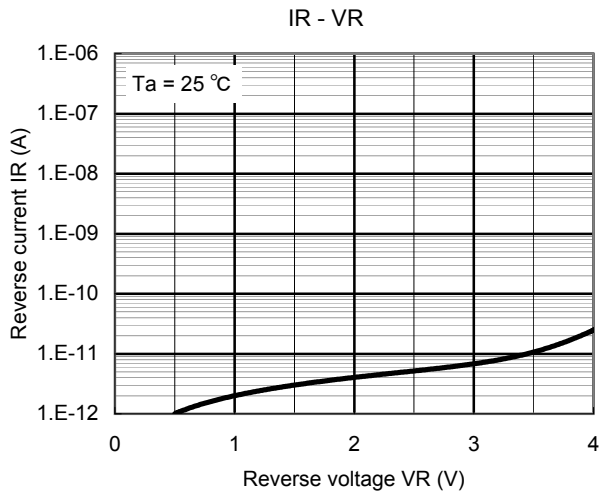
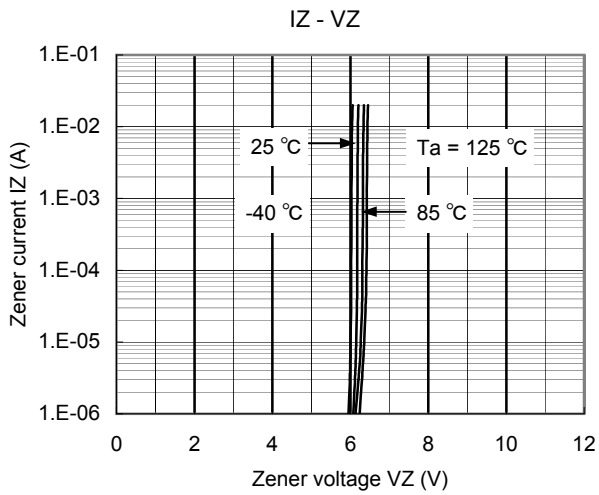
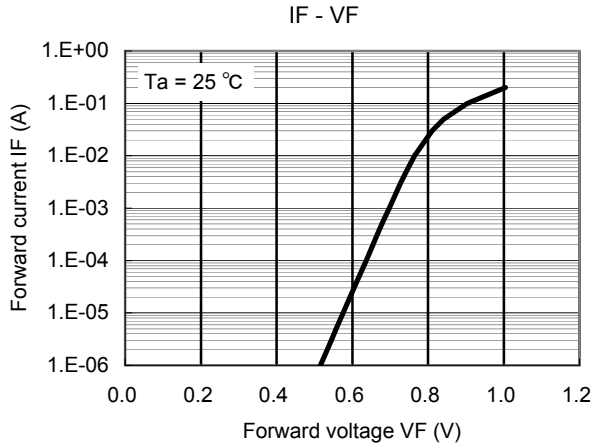
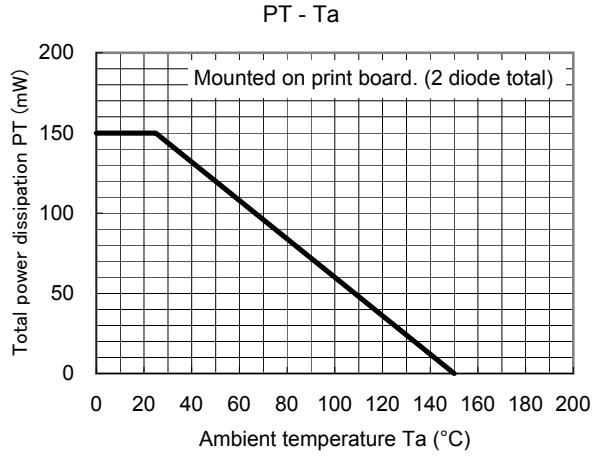
2. *1: The temperature must be controlled 25°C for VZ measurement.

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

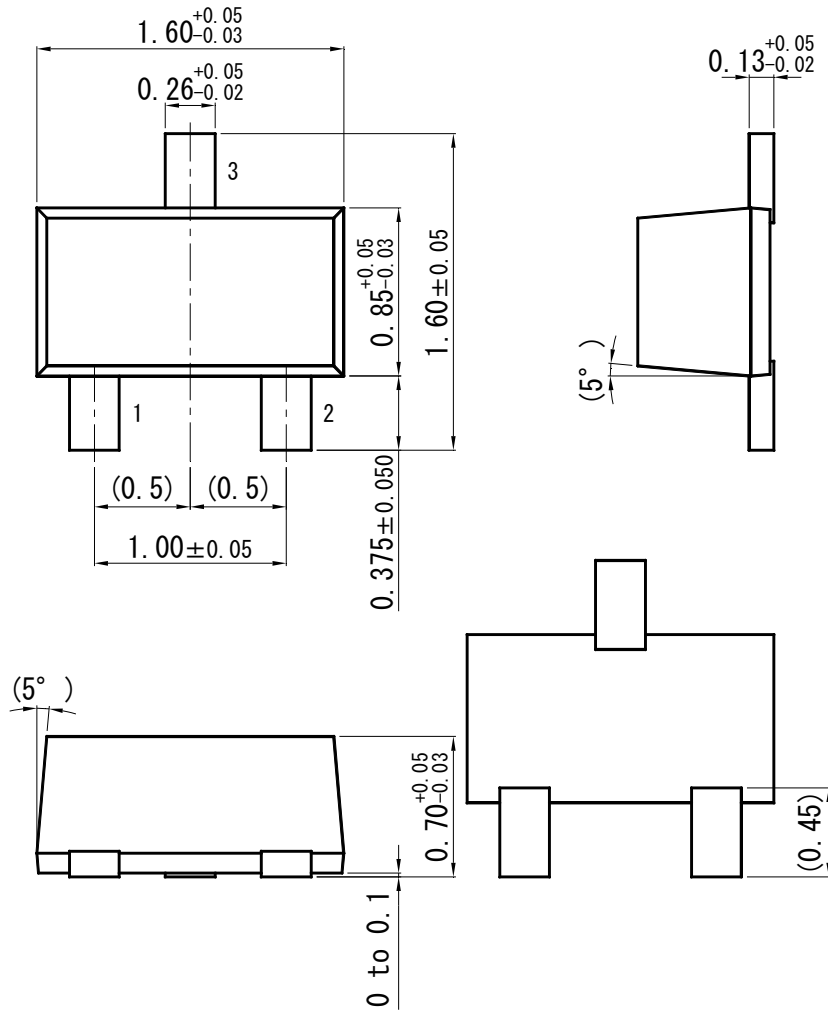
Technical Data (reference)



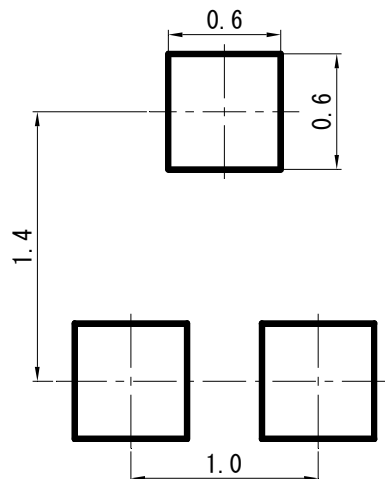


SSMini3-F3-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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