

DA2J10400L

Silicon epitaxial planar type

For high speed switching circuits

■ Features

- Small reverse current IR
- Low terminal capacitance Ct
- Halogen-free / RoHS compliant  
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: C1

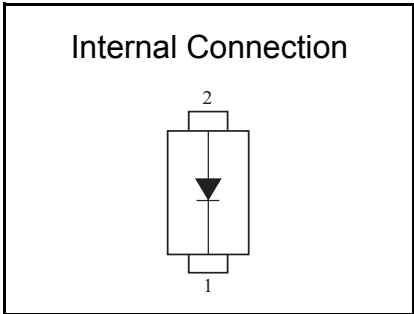
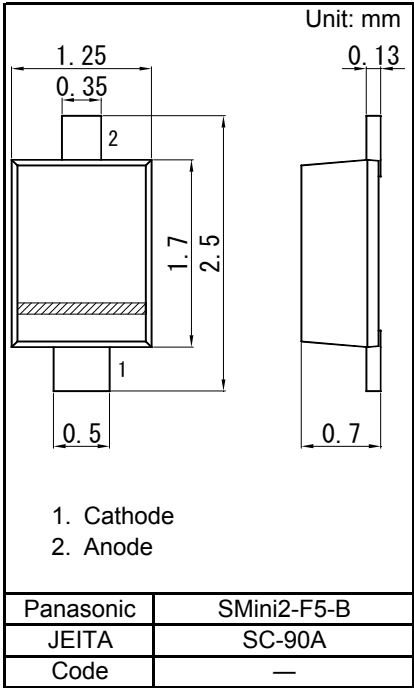
■ Packaging

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

■ Absolute Maximum Ratings Ta = 25 °C

| Parameter                                    | Symbol | Rating      | Unit |
|----------------------------------------------|--------|-------------|------|
| Reverse voltage                              | VR     | 80          | V    |
| Maximum peak reverse voltage                 | VRM    | 80          | V    |
| Forward current                              | IF     | 200         | mA   |
| Peak forward current                         | IFM    | 600         | mA   |
| Non-repetitive peak forward surge current *1 | IFSM   | 1           | A    |
| Junction temperature                         | Tj     | 150         | °C   |
| Operating ambient temperature                | Topr   | -40 to +85  | °C   |
| Storage temperature                          | Tstg   | -55 to +150 | °C   |

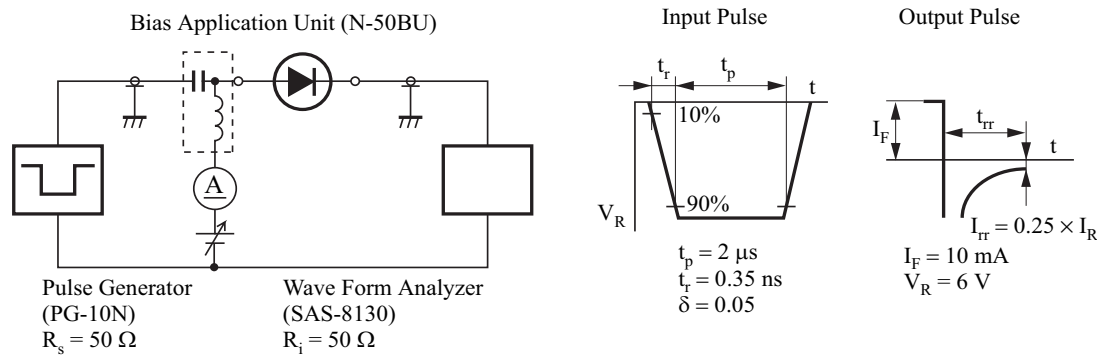
Note) \*1: t = 1 s



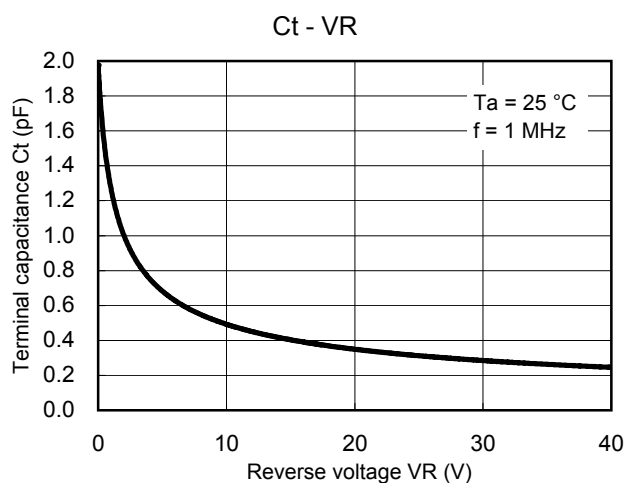
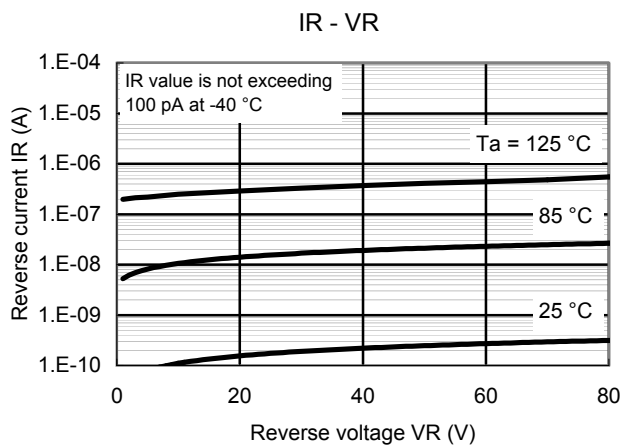
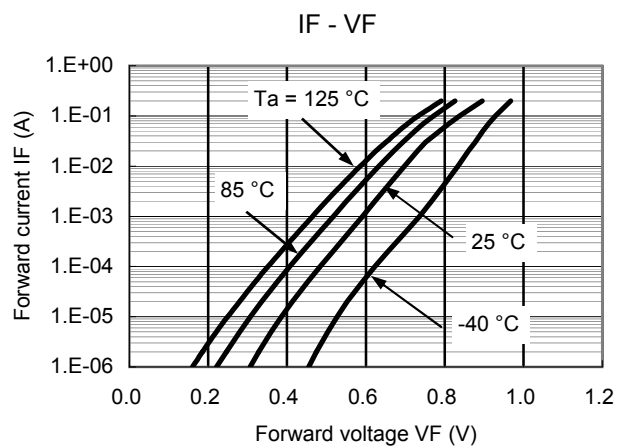
■ Electrical Characteristics Ta = 25 °C ± 3 °C

| Parameter                | Symbol | Conditions                              | Min | Typ  | Max  | Unit |
|--------------------------|--------|-----------------------------------------|-----|------|------|------|
| Forward voltage          | VF     | IF = 200 mA                             |     | 0.90 | 1.10 | V    |
| Reverse voltage          | VR     | IR = 100 μA                             | 80  |      |      | V    |
| Reverse current          | IR     | VR = 80 V                               |     |      | 500  | nA   |
| Terminal capacitance     | Ct     | VR = 0 V, f = 1 MHz                     |     |      | 4    | pF   |
| Reverse recovery time *1 | trr    | IF = 10 mA, VR = 6 V<br>Irr = 0.25 × IR |     |      | 10   | ns   |

- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.  
2. Absolute frequency of input and output is 100 MHz.  
3. \*1: trr test circuit



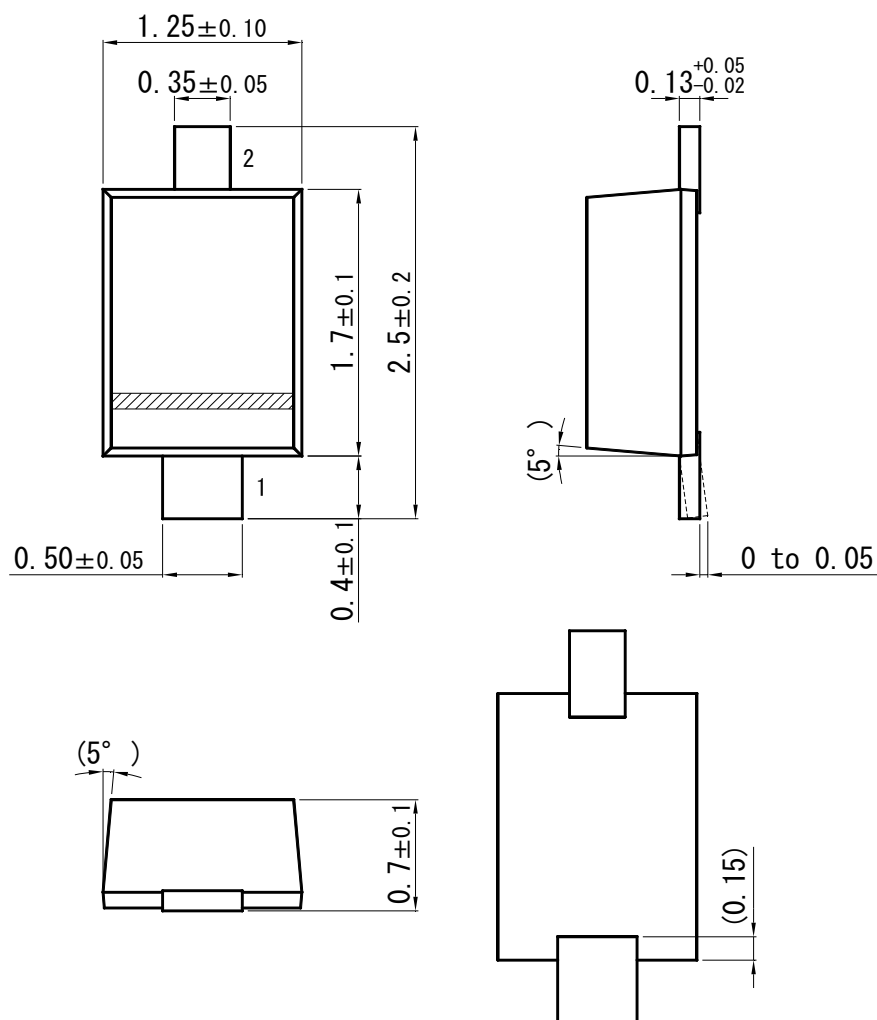
Technical Data ( reference )



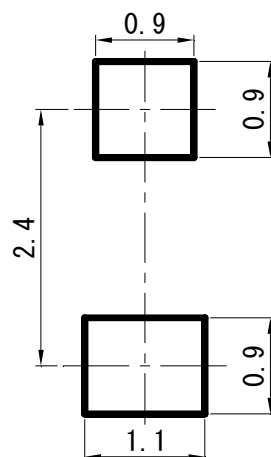
**Panasonic**

SMini2-F5-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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