

**Panasonic**

**DB2431200L**

Silicon epitaxial planar type

For rectification

■ Features

- Low forward voltage VF
- Forward current (Average) IF(AV) = 5 A rectification is possible
- Halogen-free / RoHS compliant  
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: 34

■ Packaging

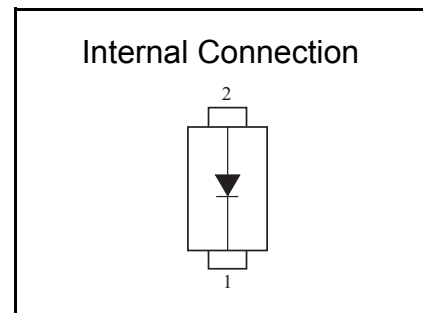
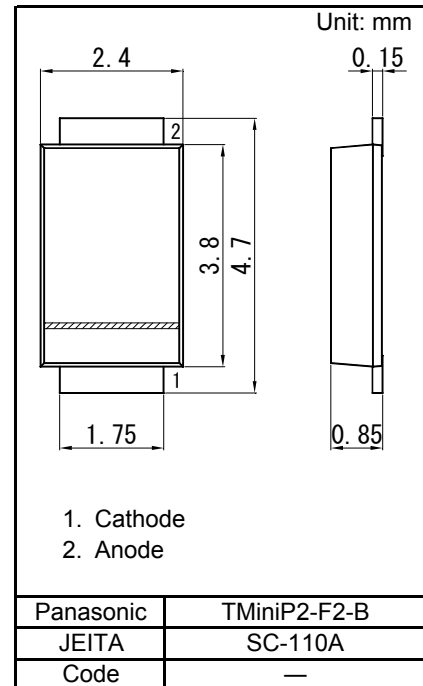
Embossed type (Thermo-compression sealing) : 3 000 pcs / reel (standard)

■ Absolute Maximum Ratings Ta = 25 °C

| Parameter                                               | Symbol | Rating      | Unit |
|---------------------------------------------------------|--------|-------------|------|
| Reverse voltage                                         | VR     | 30          | V    |
| Maximum peak reverse voltage                            | VRM    | 30          | V    |
| Forward current <sup>*1</sup>                           | IF     | 5.0         | A    |
| Non-repetitive peak forward surge current <sup>*2</sup> | IFSM   | 30          | A    |
| Junction temperature <sup>*1</sup>                      | Tj     | 150         | °C   |
| Operating ambient temperature                           | Topr   | -40 to +85  | °C   |
| Storage temperature                                     | Tstg   | -55 to +150 | °C   |

Note: <sup>\*1</sup> TI = 80 °C

<sup>\*2</sup> 50 Hz sine wave 1 cycle (Non-repetitive peak current)

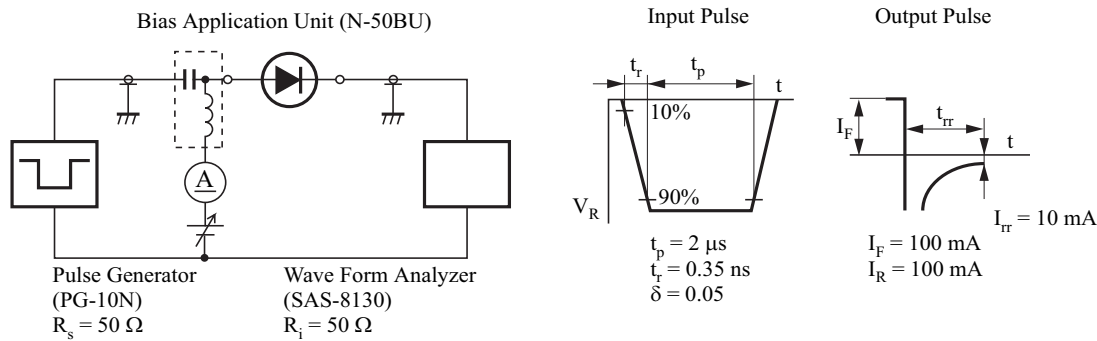




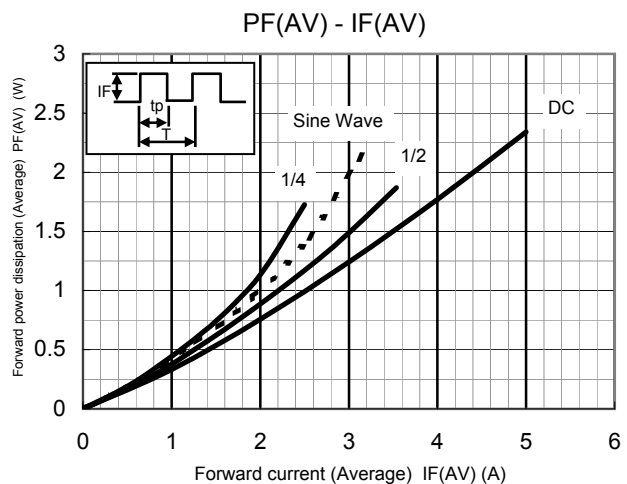
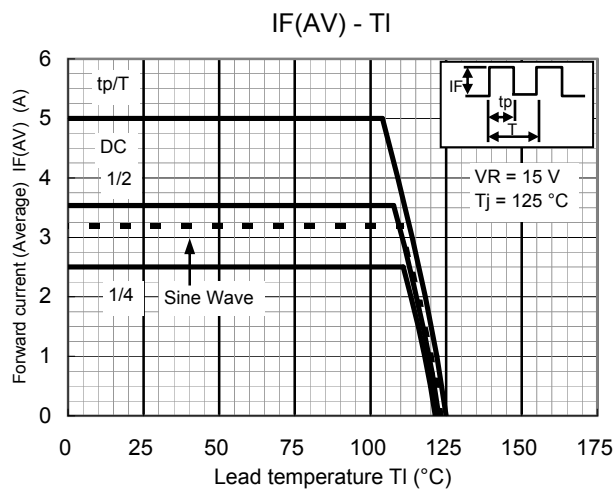
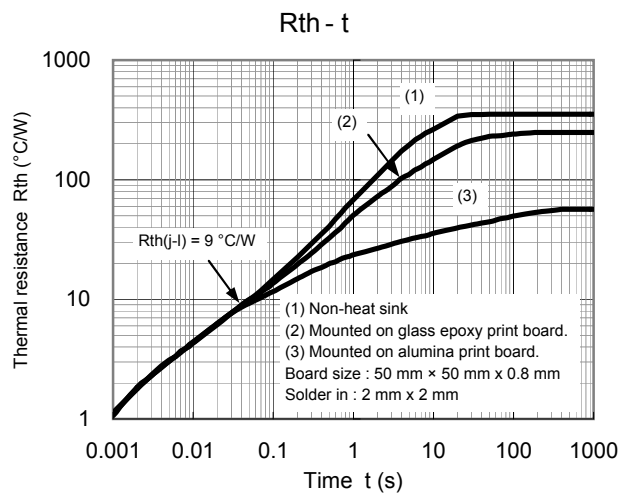
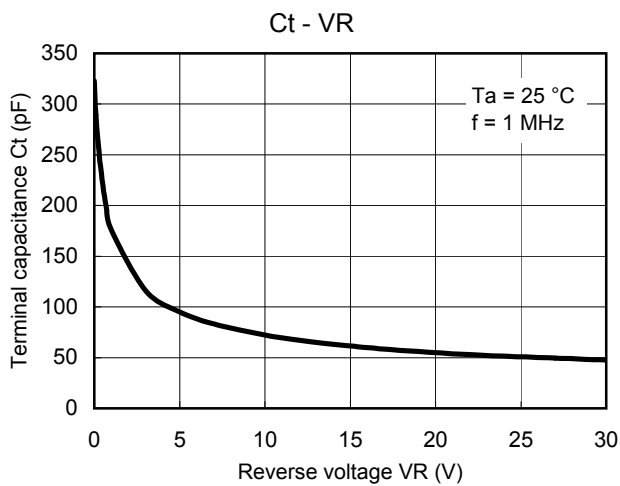
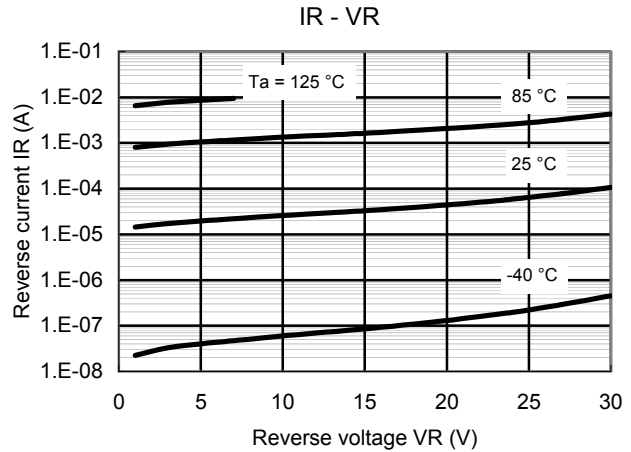
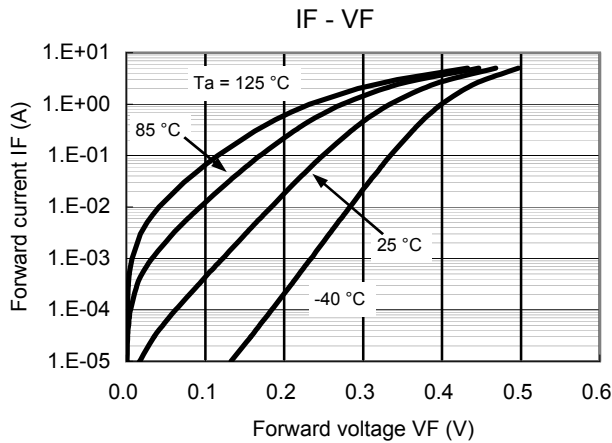
■ Electrical Characteristics Ta = 25 °C ± 3 °C

| Parameter                | Symbol | Conditions                    | Min | Typ | Max  | Unit |
|--------------------------|--------|-------------------------------|-----|-----|------|------|
| Forward voltage          | VF     | IF = 5.0 A                    |     |     | 0.51 | V    |
| Reverse current          | IR     | VR = 30 V                     |     |     | 300  | μA   |
| Terminal capacitance     | Ct     | VR = 10 V, f = 1 MHz          |     | 74  |      | pF   |
| Reverse recovery time *1 | trr    | IF = IR = 100 mA, Irr = 10 mA |     | 23  |      | ns   |

- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
3. \*1 trr test circuit



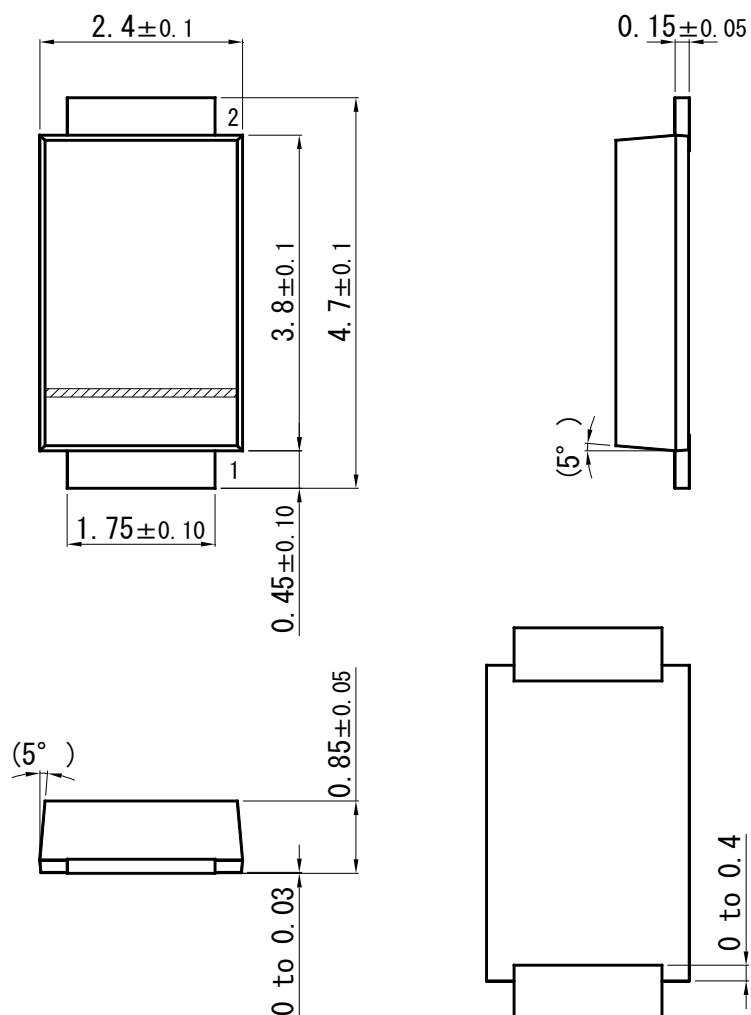
Technical Data ( reference )



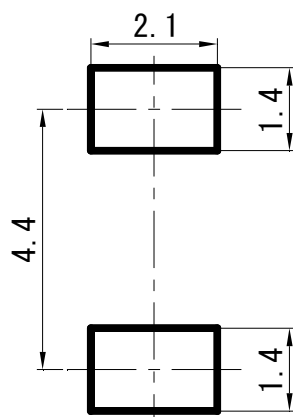
**Panasonic**

TMiniP2-F2-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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