

Fast Recovery Diode DA24F4100L

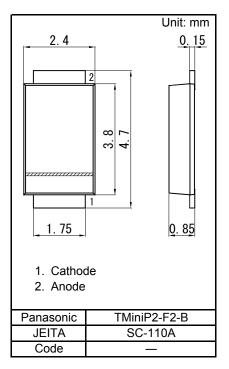
DA24F4100L Silicon epitaxial planar type

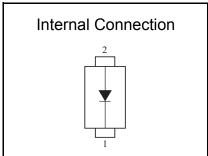
For high speed switching circuits

- Features
- Small reverse current IR
- Short reverse recovery time trr
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: 4Q

Packaging

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





■ Absolute Maximum Ratings Ta = 25 °C

| Parameter | Symbol | Rating | Unit | | | | |
|--|--------|-------------|------|--|--|--|--|
| Repetitive peak reverse voltage | VRRM | 400 | V | | | | |
| Non-repetitive peak reverse surge voltage | VRSM | 400 | V | | | | |
| Forward current | IF | 1.0 | А | | | | |
| Non-repetitive peak forward surge current *1 | IFSM | 20 | А | | | | |
| Junction temperature | Tj | -40 to +150 | °C | | | | |
| Operating ambient temperature | Topr | -40 to +85 | С° | | | | |
| Storage temperature | Tstg | -40 to +150 | °C | | | | |
| | | 0 | | | | | |

Note)*1: 50 Hz sine wave 1 cycle (Non-repetitive peak current)

Panasonic

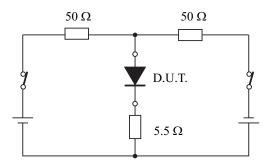
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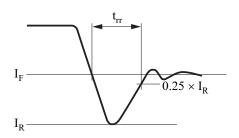
■ Electrical Characteristics Ta = 25 °C ± 3 °C

| Parameter | Symbol | Conditions | Min | Тур | Max | Unit | | |
|-------------------------------------|--------|--|-----|-----|-----|------|--|--|
| Forward voltage | VF | IF = 1A | | 1.0 | 1.2 | V | | |
| Reverse current | IRRM | VRRM = 400 V | | | 10 | μA | | |
| Terminal capacitance | Ct | VR = 0 V, f = 1 MHz | | 50 | | pF | | |
| Reverse recovery time ^{*1} | trr | IF = 0.5 A , IR = 1.0 A Irr = 0.25 × IR | | 15 | 45 | 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

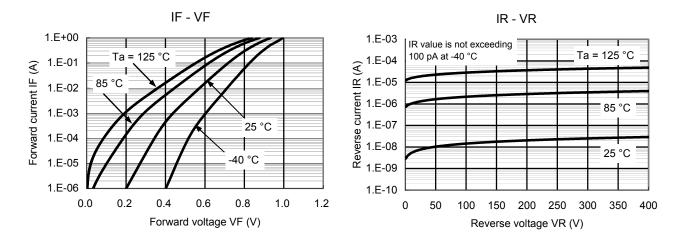


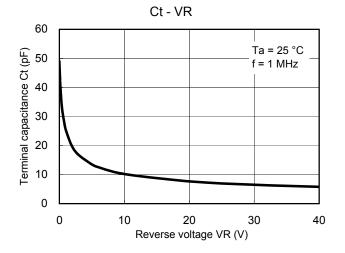




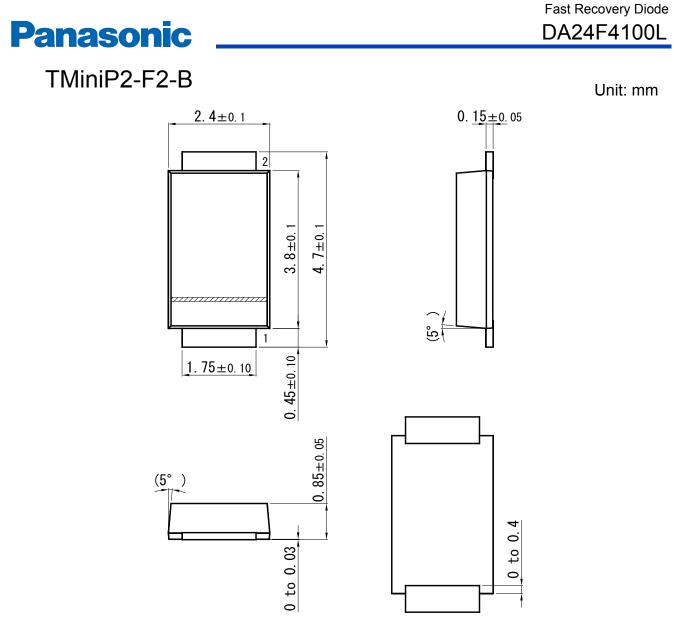
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Technical Data (reference)

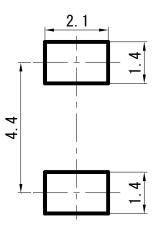




Established : 2010-03-18 Revised : 2013-05-24



Land Pattern (Reference) (Unit: mm)



Established : 2010-03-18 Revised : 2013-05-24

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