

DA2J10700L

Silicon epitaxial planar type

For high speed switching circuits
DA3X107K in SMini2 type package

■ Features

- High reverse voltage VR
- Small reverse current IR
- Halogen-free / RoHS compliant
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: B1

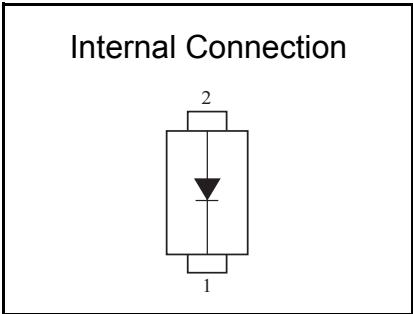
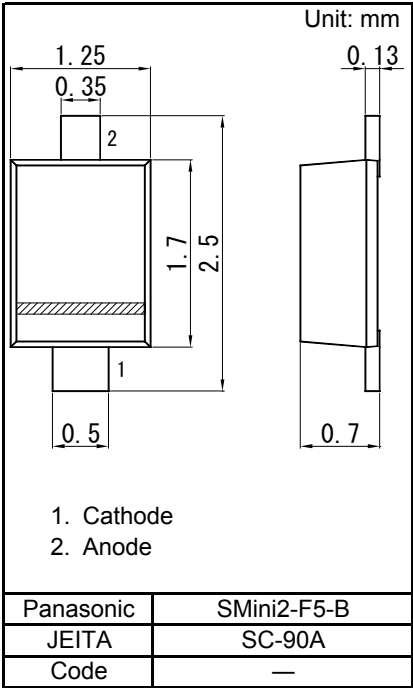
■ Packaging

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

■ Absolute Maximum Ratings Ta = 25 °C

| Parameter | Symbol | Rating | Unit |
|--|--------|-------------|------|
| Reverse voltage | VR | 300 | V |
| Repetitive peak reverse voltage | VRRM | 300 | V |
| Forward current (Average) | IF(AV) | 100 | mA |
| Repetitive peak forward current | IFRM | 225 | mA |
| Non-repetitive peak forward surge current *1 | IFSM | 500 | mA |
| 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



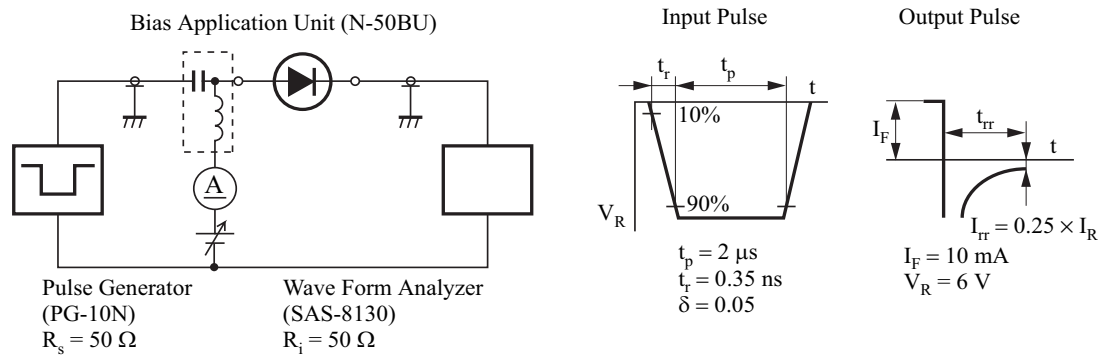
Panasonic

Switching Diode
DA2J10700L

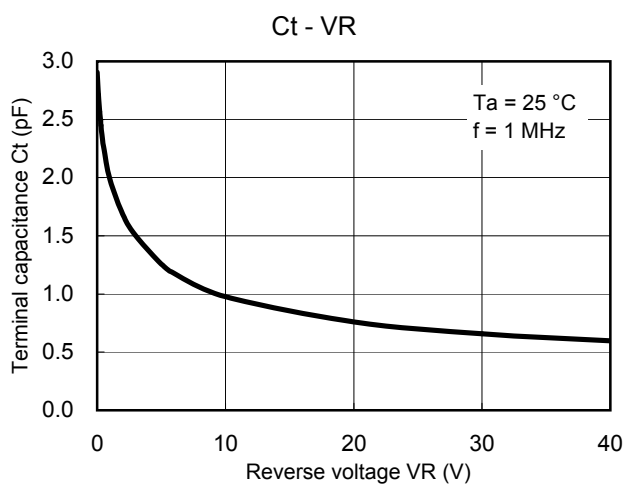
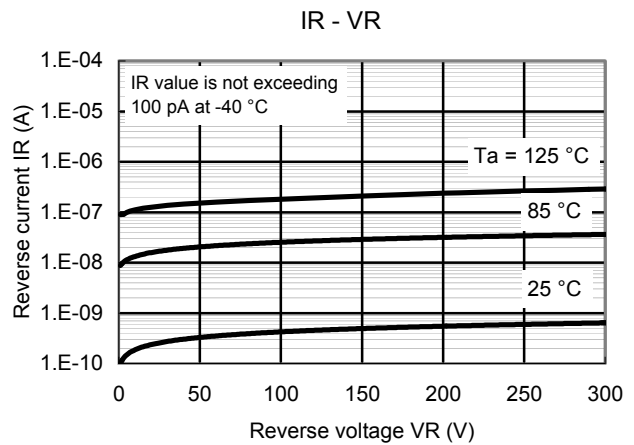
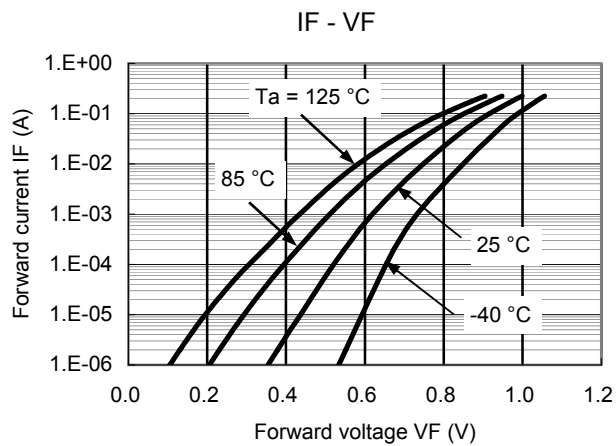
■ Electrical Characteristics Ta = 25 °C ± 3 °C

| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|--------------------------|--------|---|-----|-----|-----|------|
| Forward voltage | VF | IF = 100 mA | | | 1.2 | V |
| Reverse current | IR | VR = 300 V | | | 1.0 | μA |
| Terminal capacitance | Ct | VR = 6 V, f = 1 MHz | | | 3.0 | pF |
| Reverse recovery time *1 | trr | IF = 10 mA, VR = 6 V Irr = 0.25 x IR | | | 60 | 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 20 MHz.
3. *1: trr test circuit



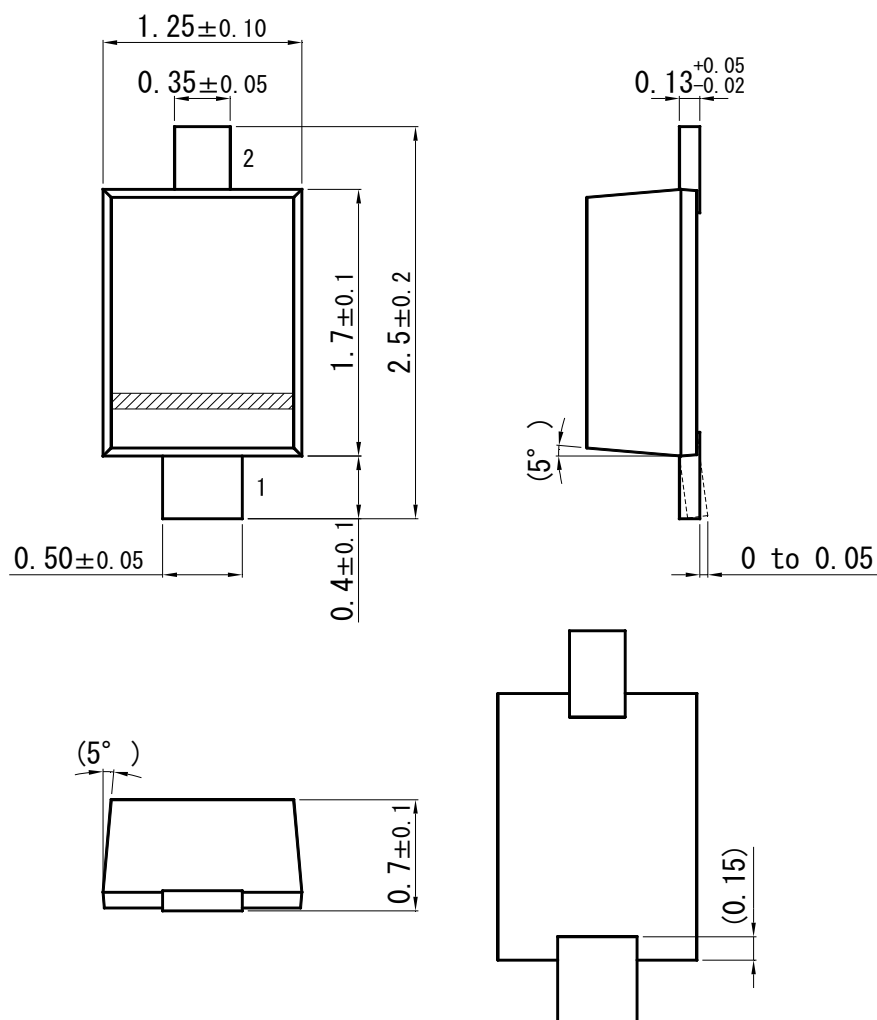
Technical Data (reference)



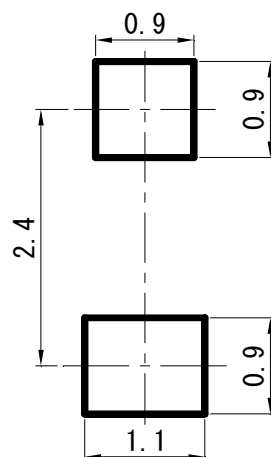
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SMini2-F5-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com