Switching Diode

DA3X101K0L

DA3X101K0L

Panasonic

Silicon epitaxial planar type

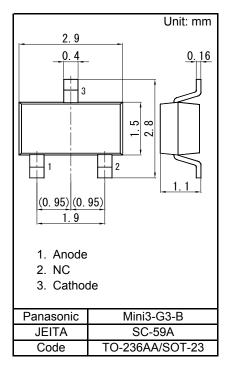
For high speed switching circuits DA3J101K in Mini3 type package

■ 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: 21

■ Packaging

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



■ Absolute Maximum Ratings Ta = 25 °C

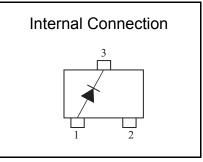
| Parameter | Symbol | Rating | Unit |
|----------------------------------------------|--------|-------------|------|
| Reverse voltage | VR | 80 | V |
| Maximum peak reverse voltage | VRM | 80 | V |
| Forward current | IF | 100 | mA |
| Peak forward current | IFM | 225 | mA |
| Non-repetitive peak forward surge current *1 | IFSM | 500 | mA |
| Junction temperature | Tj | 150 | ŷ |
| Operating ambient temperature | Topr | -40 to +85 | °C |
| Storage temperature | Tstg | -55 to +150 | °C |

Note) *1: t = 1 s

Established: 2009-11-17

: 2013-06-12

Revised



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

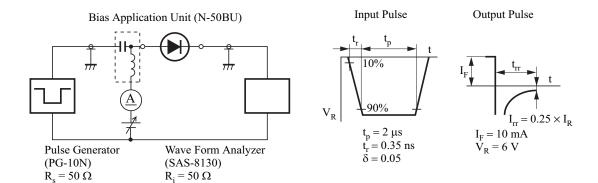
| Parameter | Symbol | Conditions | Min | Тур | Max | Unit |
|--------------------------|--------|----------------------|-----|------|------|------|
| Forward voltage | VF | IF = 100 mA | | 0.92 | 1.20 | V |
| Reverse voltage | VR | IR = 100 μA | 80 | | | V |
| Reverse current | IR | VR = 80 V | | | 100 | nA |
| Terminal capacitance | Ct | VR = 0 V , f = 1 MHz | | | 1.2 | pF |
| Reverse recovery time *1 | trr | IF = 10 mA, VR = 6 V | | | 3 | ns |
| | | Irr = 0.25 x IR | | | | |

- 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

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Revised

: 2013-06-12



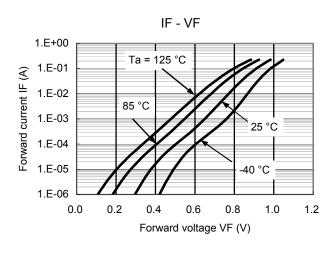
Panasonic

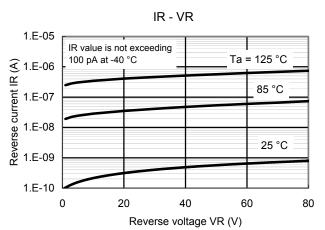
Revision. 3

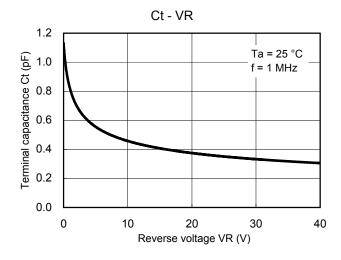
Switching Diode

DA3X101K0L

Technical Data (reference)







Established: 2009-11-17 Revised: 2013-06-12

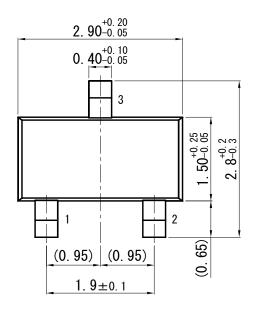
Switching Diode

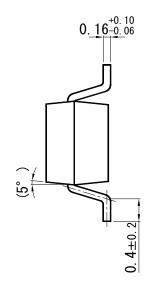
DA3X101K0L

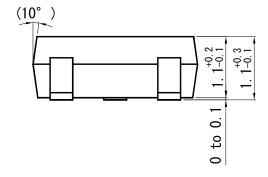
Mini3-G3-B

Panasonic

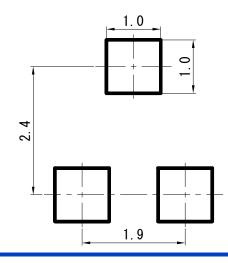
Unit: mm







■ Land Pattern (Reference) (Unit: mm)



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