



DA6X103T0R  
Silicon epitaxial planar type

For high speed switching circuits

- Features
- Short reverse recovery time trr
  - Low terminal capacitance Ct
  - Halogen-free / RoHS compliant  
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: 31

■ Basic Part Number :  
Dual DA3X103E (Individual)

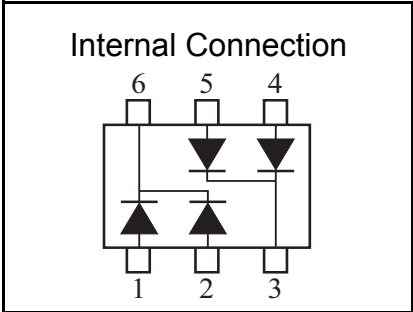
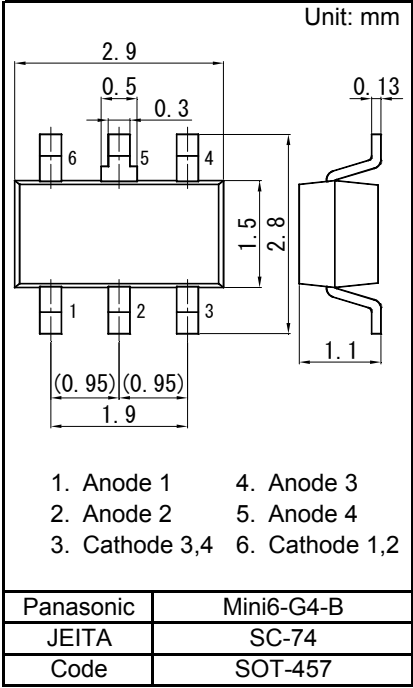
■ Packaging  
Embossed type (Thermo-compression sealing) : 3 000 pcs / reel (standard)

■ Absolute Maximum Ratings Ta = 25 °C

| Parameter                                                  | Symbol | Rating      | Unit |
|------------------------------------------------------------|--------|-------------|------|
| Reverse voltage                                            | VR     | 80          | V    |
| Maximum peak reverse voltage                               | VRM    | 80          | V    |
| Forward current <sup>*1</sup>                              | IF     | 100         | mA   |
| Peak forward current <sup>*1</sup>                         | IFM    | 225         | mA   |
| Non-repetitive peak forward surge current <sup>*1,*2</sup> | IFSM   | 500         | mA   |
| Junction temperature                                       | Tj     | 150         | °C   |
| Operating ambient temperature                              | Topr   | -40 to +85  | °C   |
| Storage temperature                                        | Tstg   | -55 to +150 | °C   |

Note) <sup>\*1</sup> Value in single diode used

<sup>\*2</sup> t = 1 s



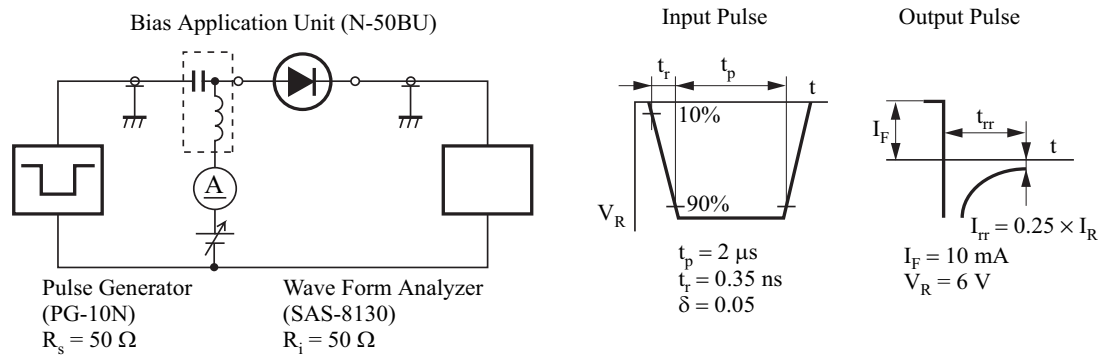
Panasonic

Switching Diode  
DA6X103T0R

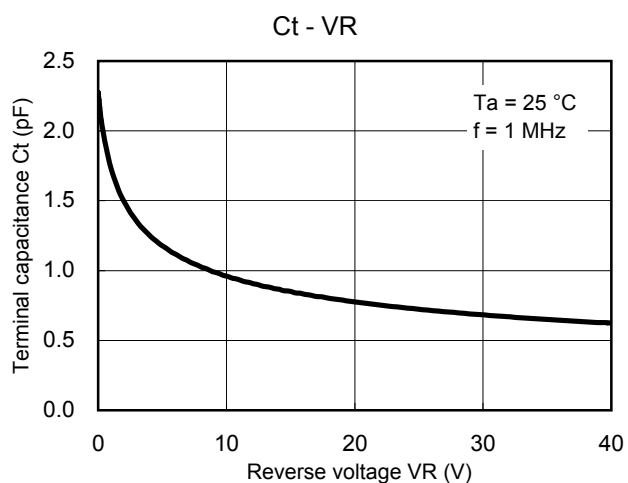
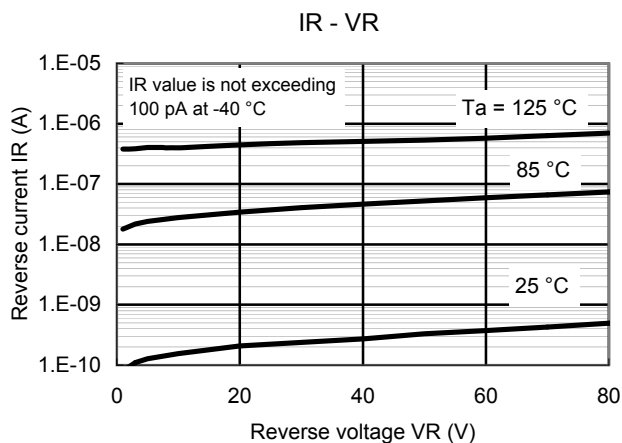
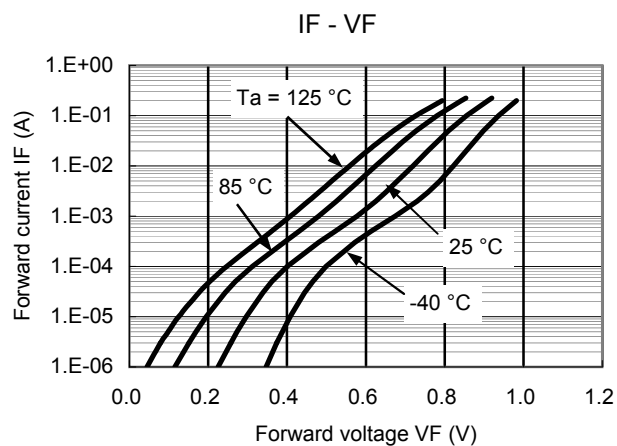
■ Electrical Characteristics Ta = 25 °C ± 3 °C

| Parameter                | Symbol | Conditions                              | Min | Typ | Max | Unit |
|--------------------------|--------|-----------------------------------------|-----|-----|-----|------|
| Forward voltage          | VF     | IF = 100 mA                             |     |     | 1.2 | 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                     |     | 2   | 15  | pF   |
| Reverse recovery time *1 | trr    | IF = 10 mA, VR = 6 V<br>Irr = 0.25 x IR |     | 2   | 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



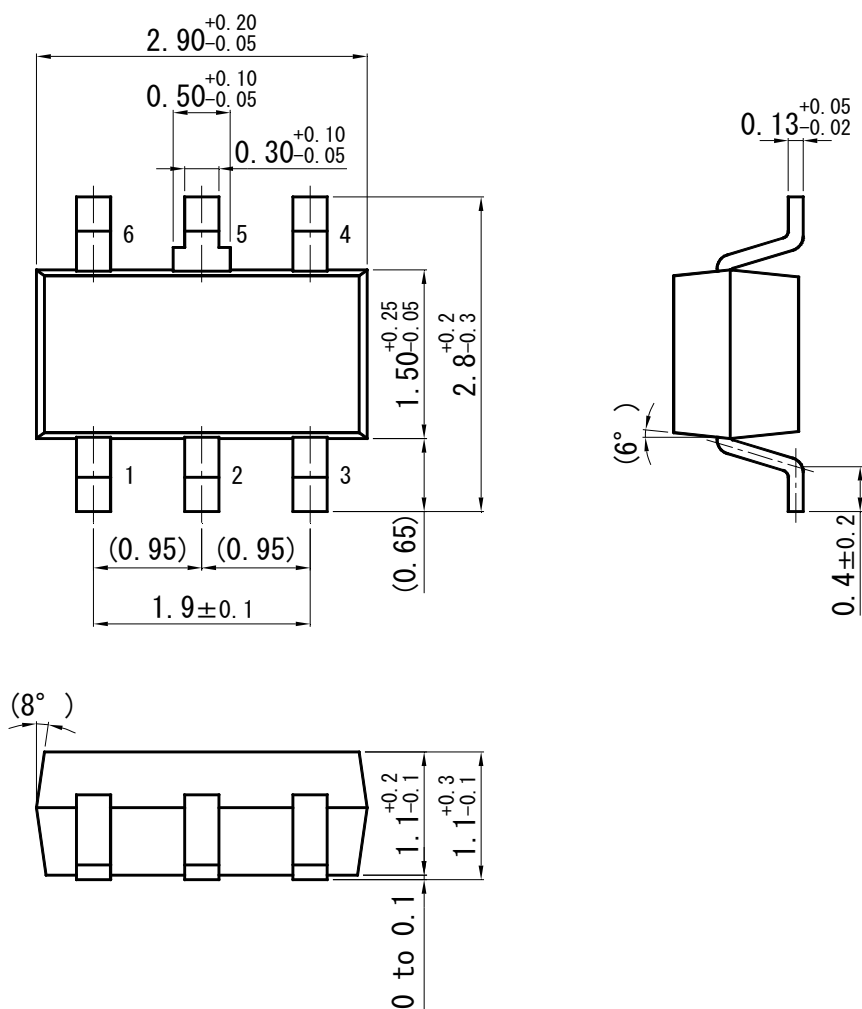
Technical Data ( reference )



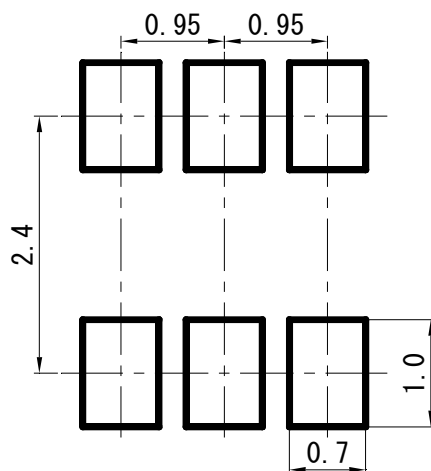
**Panasonic**

Mini6-G4-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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