Switching Diode

## **DA6X102P0R**

# **Panasonic**

## **DA6X102P0R**

## 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: 23
- Basic Part Number : Dual DA3X102D (Individual)

#### ■ Packaging

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

	Unit: mm			
1 2 (0. 95) (0.	0.13			
1. Anode 2. Cathod 3. Cathod				
JEITA	SC-74			
Code	SOT-457			

#### ■ Absolute Maximum Ratings Ta = 25 °C

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

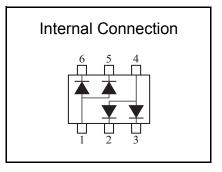
Note) \*1 Value in single diode used

\*2 t = 1 s

Establishe d: 2010-02-24

Revised

: 2013-06-19



Doc No. TT4EA-12399

Revision . 2

Switching Diode

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

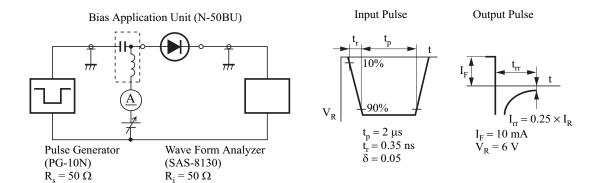
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 100 mA			1.2	V
Reverse voltage	VR	IR = 100 μA	80			V
Reverse current	IR	VR = 80 V			100	nA
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz			15	pF
Reverse recovery time *1	trr	IF = 10 mA, VR = 6 V			10	ns
		Irr = 0.25 × IR			. •	

- 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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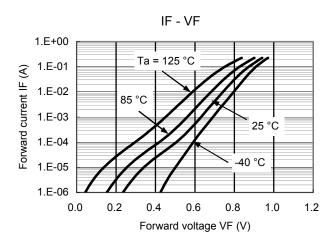
Revision . 2

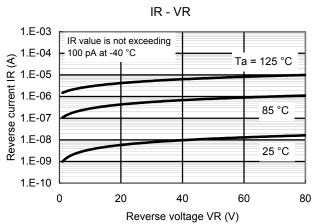
# **Panasonic**

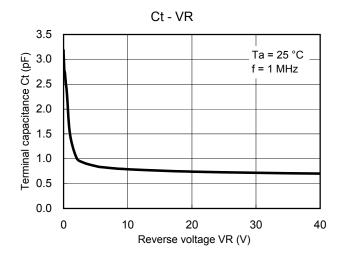
Switching Diode

## DA6X102P0R

# Technical Data (reference)







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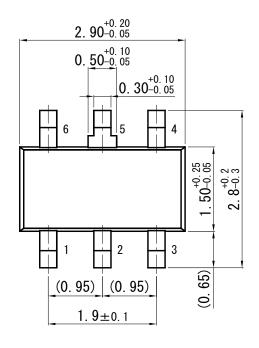
Revision . 2

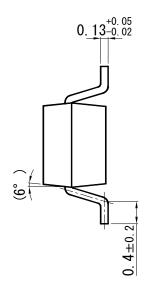
Switching Diode

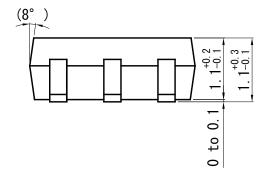
## **DA6X102P0R**

# Mini6-G4-B

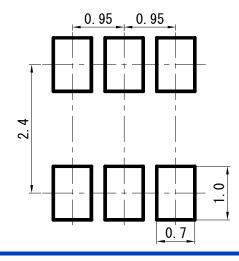
Unit: mm







#### ■ Land Pattern (Reference) (Unit: mm)



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