# imall

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Switching Diode DA6X102P0R

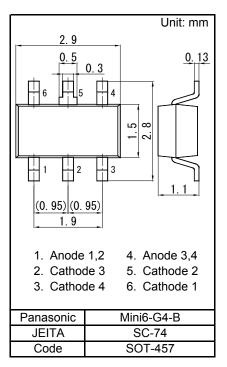
DA6X102P0R Silicon epitaxial planar type

For high speed switching circuits

Features

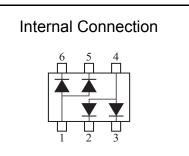
- Short reverse recovery time trr
- Low terminal capacitance Ct
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: 23
- Basic Part Number : Dual DA3X102D (Individual)
- Packaging

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



Absolute Maximum Rat	tings Ta = 25 °C
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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 *1,*2	IFSM	500	mA	
Junction temperature	Tj	150	С°	
Operating ambient temperature	Topr	-40 to +85	С°	
Storage temperature	Tstg	-55 to +150	С°	



Note) \*1 Value in single diode used

\*2 t=1s

### **Panasonic**

## Switching Diode DA6X102P0R

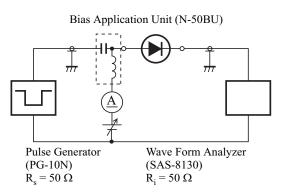
#### ■ Electrical Characteristics Ta = 25 °C ± 3 °C

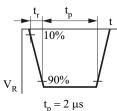
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 100 mA			1.2	V
Reverse voltage	VR	IR = 100 μA	80			V
Reverse current	IR	VR = 80 V			100	nA
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz			15	pF
Reverse recovery time *1	trr	IF = 10 mA, VR = 6 V Irr = 0.25 × IR			10	ns

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.

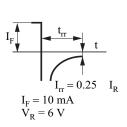
3. \*1: trr test circuit





Input Pulse



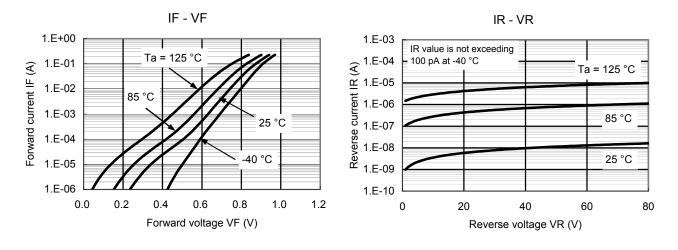


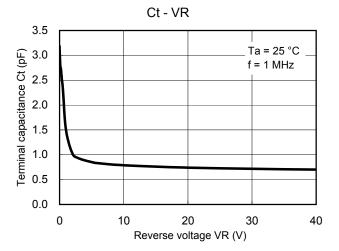
Output Pulse



Switching Diode DA6X102P0R

#### Technical Data (reference)



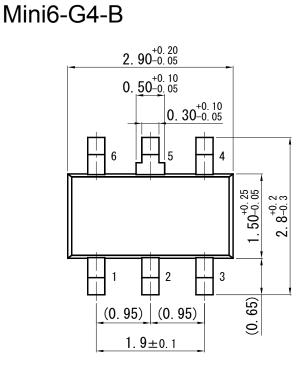


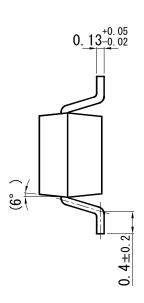
Establishe d : 2010-02-24 Revised : 2013-06-19

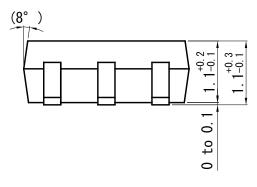


Switching Diode DA6X102P0R

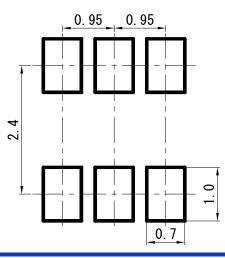
Unit: mm







Land Pattern (Reference) (Unit: mm)



Establishe d : 2010-02-24 Revised : 2013-06-19

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