

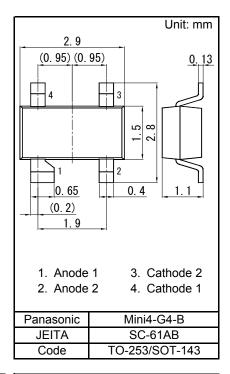
# Switching Diode DA4X101K0R

DA4X101K0R Silicon epitaxial planar type

For high speed switching circuits

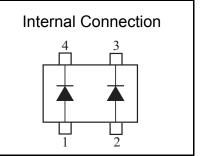
- Features
- Small reverse current IR
- Short reverse recovery time trr
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)
- Marking Symbol: 21
- Basic Part Number : Dual DA2J101 (Parallel)
- Packaging

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	Single	IF(AV)	100	mA
(Average)	Double	IF(AV)	75	mA
Repetitive peak	Single	IFRM	225	mA
forward current	Double		170	mA
Non-repetitive peak	Single	IFSM	500	mA
forward surge current <sup>*1</sup>	Double		375	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**

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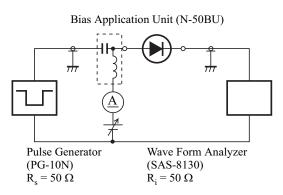
#### ■ Electrical Characteristics Ta = 25 °C ± 3 °C

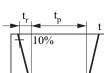
Parameter	Symbol	Conditions	Min	Тур	Max	Unit			
Forward voltage	VF	IF = 100 mA		0.95	1.20	V			
Reverse voltage	VR	IR = 100 μA	80			V			
Reverse current	IR	VR = 80 V			100	nA			
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz		0.9	2.0	pF			
Reverse recovery time *1	trr	IF = 10 mA , VR = 6 V Irr = 0.25 x IR			3	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

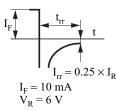




V<sub>R</sub>

Input Pulse



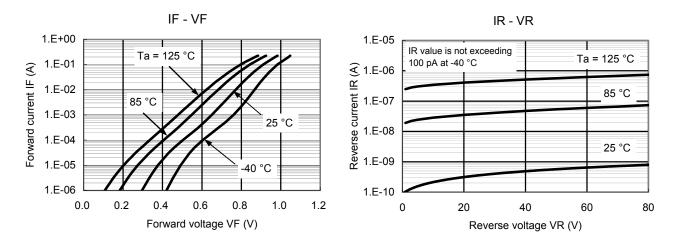


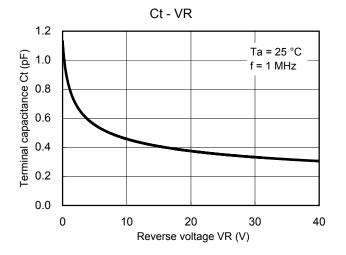
Output Pulse



Switching Diode DA4X101K0R

### Technical Data (reference)



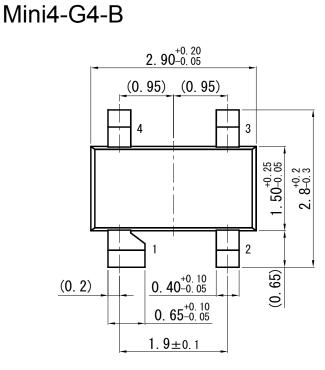


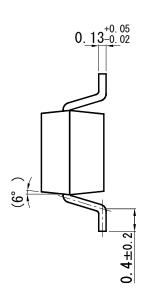
Established : 2009-11-26 Revised : 2013-06-19

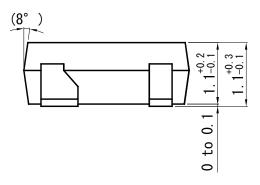


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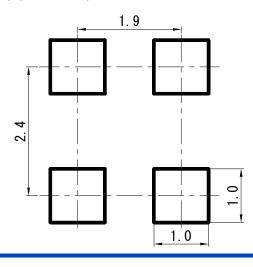
Unit: mm







Land Pattern (Reference) (Unit: mm)



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