



Switching Diode  
DA4X101F0R

## DA4X101F0R

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)

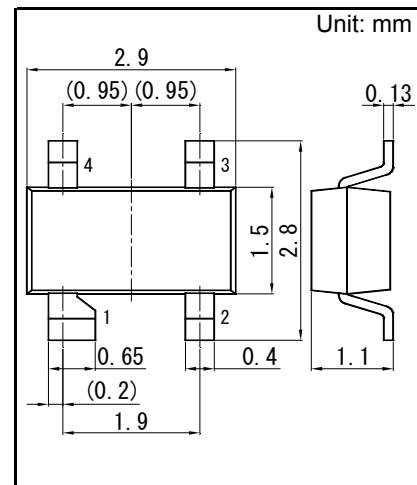
### ■ Marking Symbol: 22

### ■ Basic Part Number :

Dual DA2J101 (Parrarel, oppositely arranged)

### ■ Packaging

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



1. Anode 1      3. Anode 2  
2. Cathode 2      4. Cathode 1

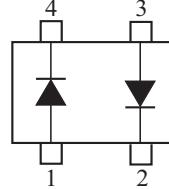
Panasonic	Mini4-G4-B
JEITA	SC-61AB
Code	TO-253/SOT-143

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

Parameter	Symbol	Rating	Unit
Reverse voltage	VR	80	V
Maximum peak reverse voltage	VRM	80	V
Forward current (Average)	IF(AV)	100	mA
		75	
Repetitive peak forward current	IFRM	225	mA
		170	
Non-repetitive peak forward surge current <sup>*1</sup>	IFSM	500	mA
		375	
Junction temperature	T <sub>j</sub>	150	°C
Operating ambient temperature	T <sub>opr</sub>	-40 to +85	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

Note) \*1: t = 1 s

### Internal Connection



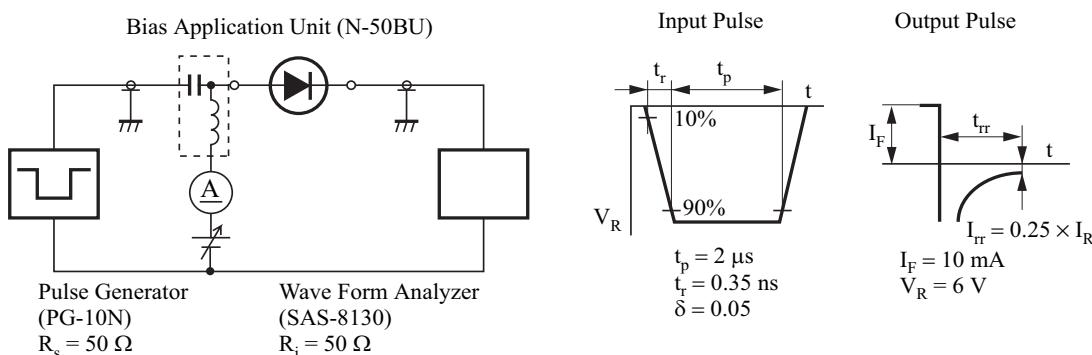
■ Electrical Characteristics  $T_a = 25 \text{ }^{\circ}\text{C} \pm 3 \text{ }^{\circ}\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 100 mA		0.95	1.20	V
Reverse voltage	VR	IR = 100 $\mu\text{A}$	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 <sup>1</sup>	trr	IF = 10 mA, VR = 6 V Irr = 0.25 $\times$ IR			3	ns

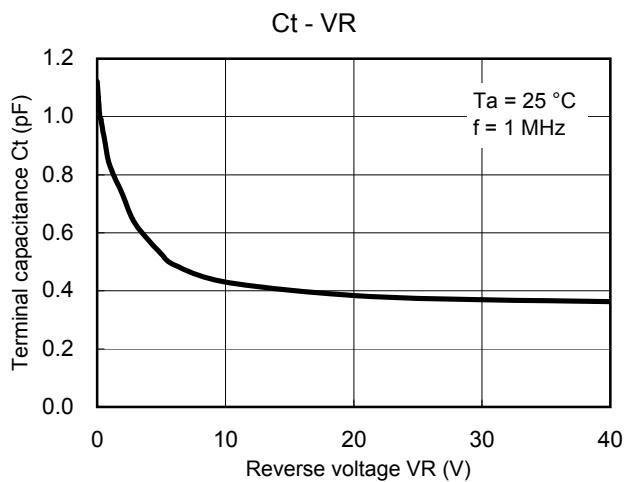
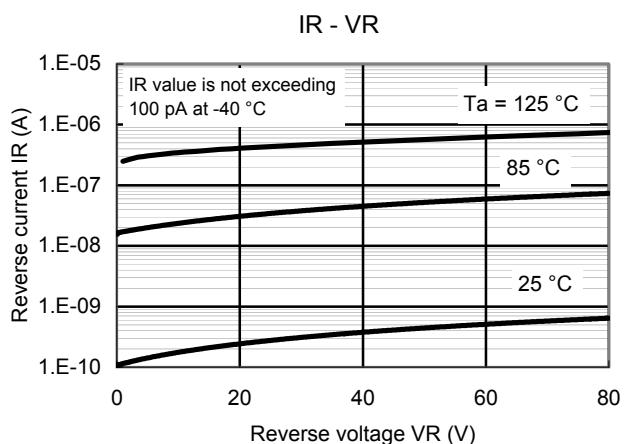
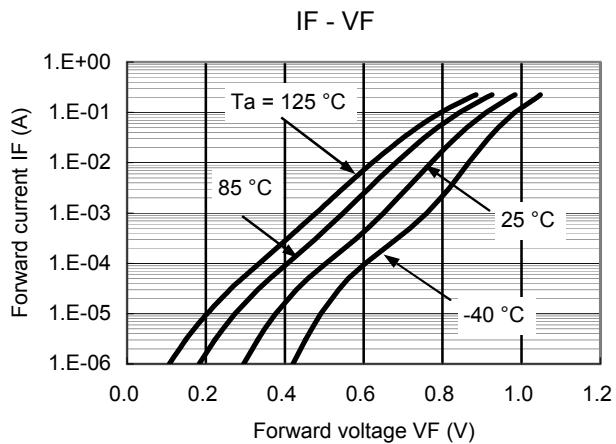
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.

2. Absolute frequency of input and output is 100 MHz.

3. \*1: trr test circuit



Technical Data ( reference )

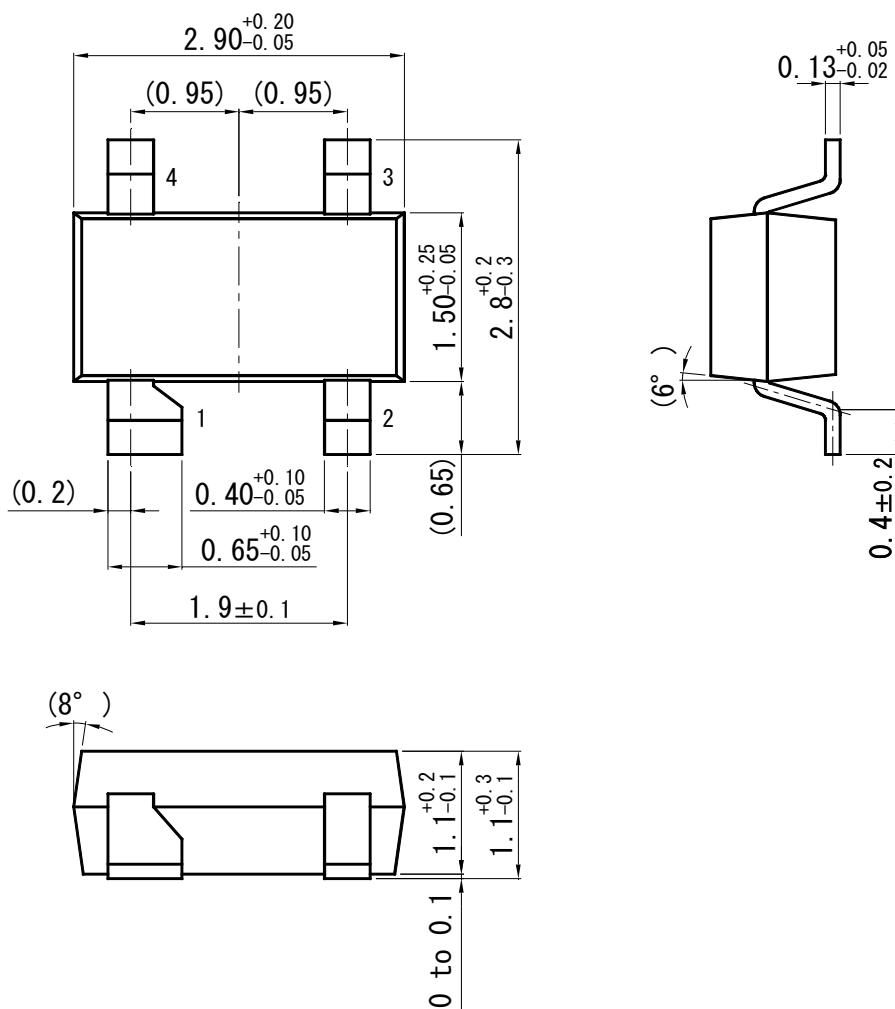


**Panasonic**

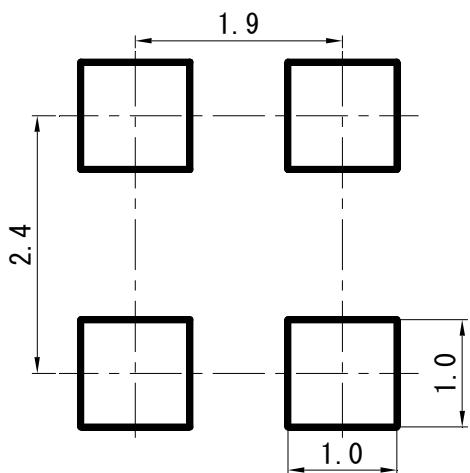
Switching Diode  
DA4X101F0R

Mini4-G4-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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