



Switching Diode
DA4J101K0R

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Silicon epitaxial planar type

For high speed switching circuits
DA4X101K in SMini4 type package

■ Features

- Small reverse current IR
- Short reverse recovery time trr
- Halogen-free / RoHS compliant
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

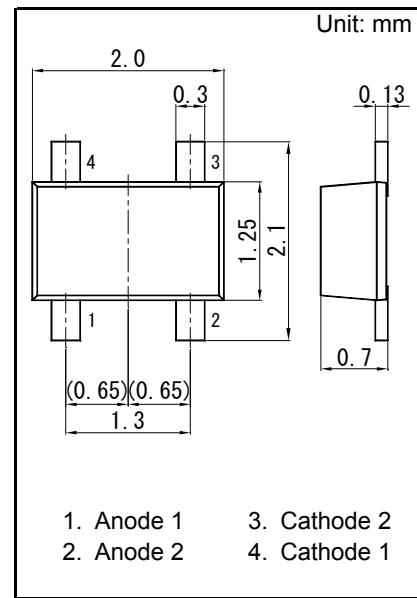
■ Marking Symbol: 21

■ Basic Part Number :

Dual DA2J101 (Parallel)

■ Packaging

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



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

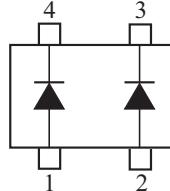
Panasonic	SMini4-F3-B
JEITA	SC-113BB
Code	—

■ 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)	Single	100	mA
	Double	75	
Repetitive peak forward current	Single	225	mA
	Double	170	
Non-repetitive peak forward surge current ^{*1}	Single	500	mA
	Double	375	
Junction temperature	T _j	150	°C
Operating ambient temperature	T _{opr}	-40 to +85	°C
Storage temperature	T _{stg}	-55 to +150	°C

Note) *1: t = 1 s

Internal Connection



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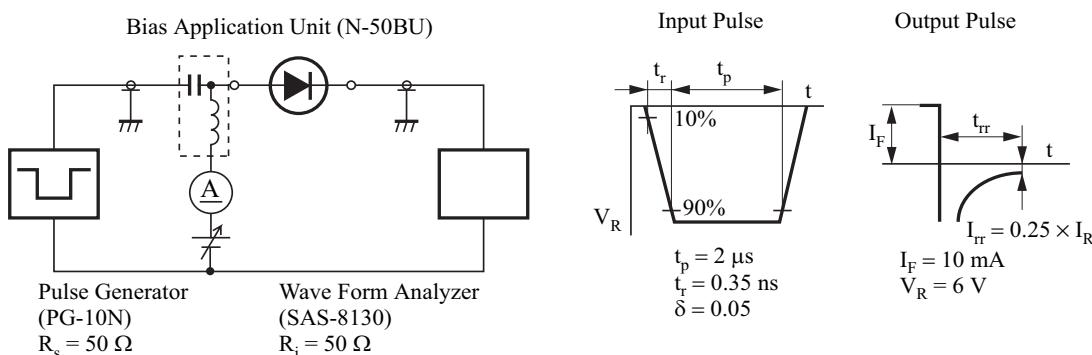
■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 100 mA		0.95	1.20	V
Reverse voltage	VR	IR = 100 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 \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.

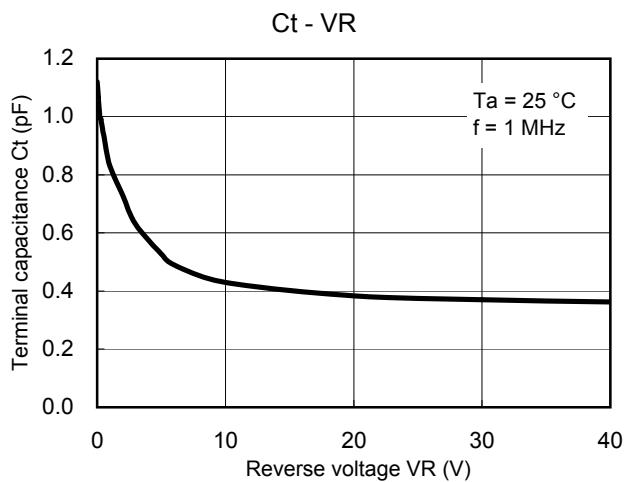
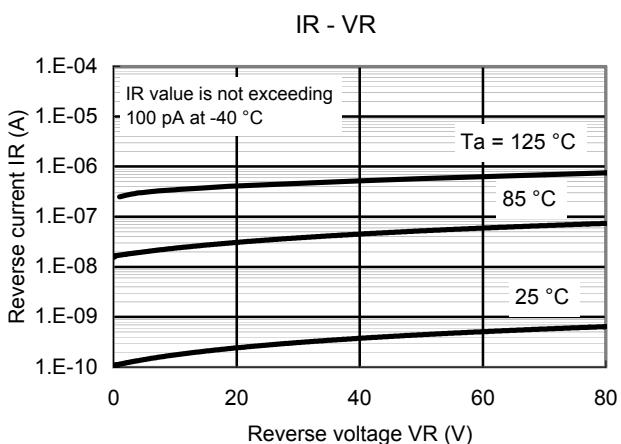
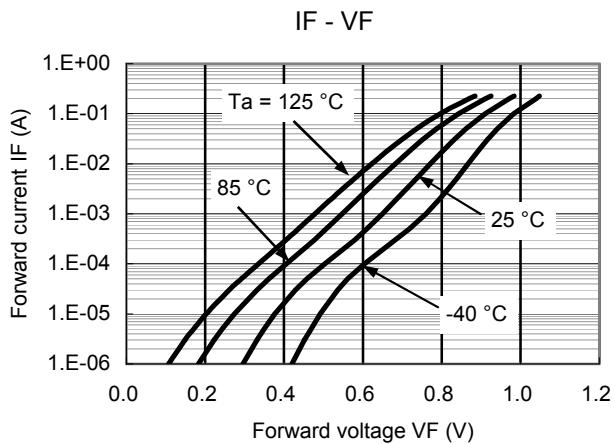
3. *1: trr test circuit





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Technical Data (reference)

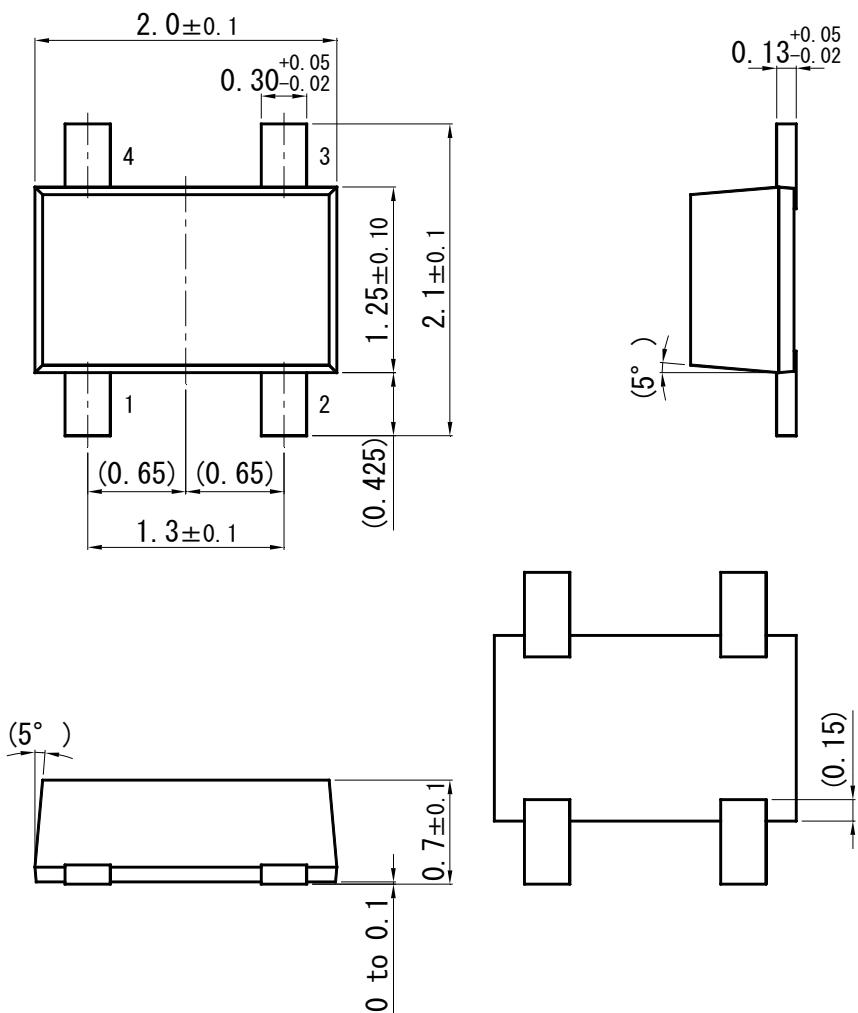


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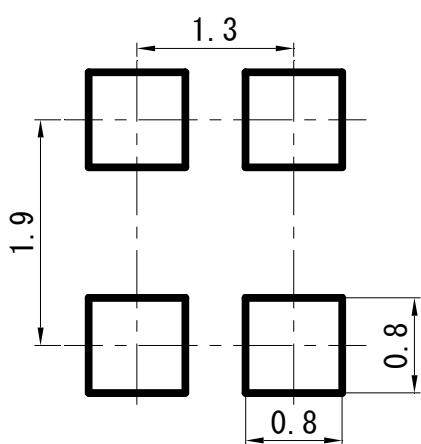
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SMini4-F3-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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