Switching Diode

### **DA5S101K0R**

## **Panasonic**

### **DA5S101K0R**

Silicon epitaxial planar type

For high speed switching circuits DA4J101K in SSMini5 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): 8 000 pcs / reel (standard)

	Unit: mm					
1.6						
5	0.2 0.13					
(0.5) (0.	5)					
1. Anode	1 4. Cathode 2					
2. N.C.	5. Cathode 1					
3. Anode	2					
Panasonic	SSMini5-F4-B					
JEITA	SC-107BB					
Code	SOT-665					

■ Absolute Maximum Ratings Ta = 25 °C

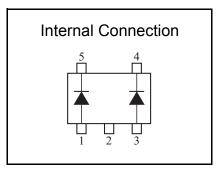
Parameter		Symbol	Rating	Unit	
Reverse voltage		VR	80	V	
Maximum peak reverse voltage		VRM	80	V	
Forward current	Single	IF	100	mA	
Forward current	Double	11	75		
Repetitive peak	Single	IFM	225	mA	
forward current *1	Double	IITIVI	170		
Junction temperature		Tj	150	°C	
Operating ambient temperature		Topr	-40 to +85	°C	
Storage temperature		Tstg	-55 to +150	°C	

Note) \*1: t = 1 s

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: 2013-06-19



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Revision . 3

Switching Diode

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

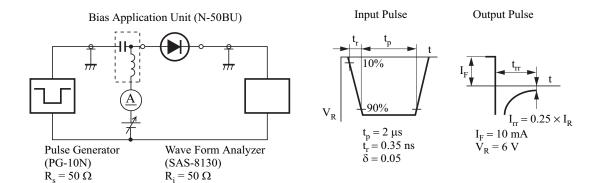
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 100 mA		0.92	1.20	V
Reverse voltage	VR	IR = 100 μA	80			V
Reverse current	IR	VR = 80 V			100	nA
Terminal capacitance	Ct	VR = 0 V , f = 1 MHz			1.2	pF
Reverse recovery time *1	trr	IF = 10 mA , VR = 6 V			2	ns
		Irr = 0.25 x IR			3	

- 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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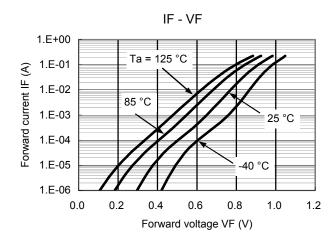
Revision . 3

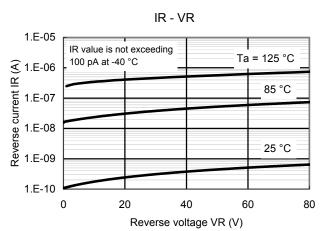
## **Panasonic**

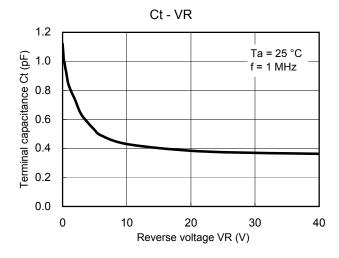
Switching Diode

### DA5S101K0R

### Technical Data (reference)







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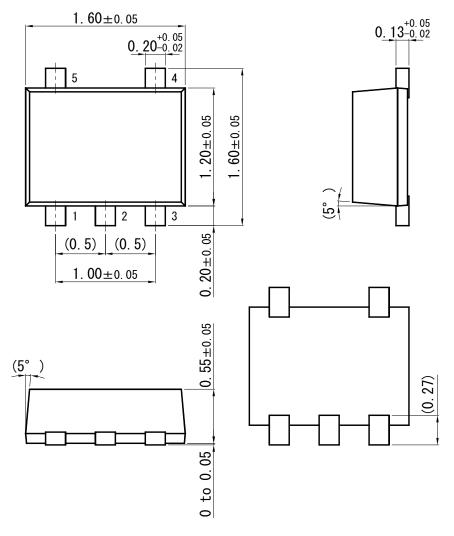
Switching Diode

### DA5S101K0R

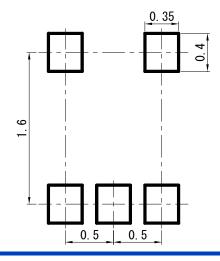
### SSMini5-F4-B

**Panasonic** 

Unit: mm



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



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