Panasonic

DA6J101K0R

Silicon epitaxial planar type

For high speed switching circuits
DA6X101K in SMini6 type package

■ Features

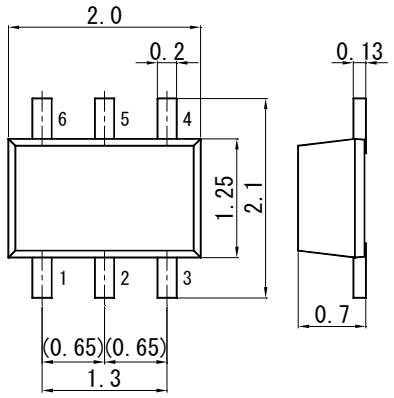
- Small reverse current IR
- Short reverse recovery time trr
- Halogen-free / RoHS compliant
  (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: 21

■ Basic Part Number :
Triple DA2J101 (Parallel)

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

Unit: mm



1. Anode 1
2. Anode 2
3. Anode 3
4. Cathode 3
5. Cathode 2
6. Cathode 1

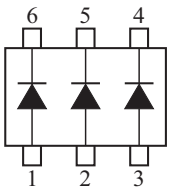
Panasonic	SMini6-F3-B
JEITA	SC-113DB
Code	SOT-363

■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Reverse voltage	VR	80	V
Maximum peak reverse voltage	VRM	80	V
Forward current *1	IF	100	mA
Peak forward current *1	IFM	225	mA
Non-repetitive peak forward surge current *1,*2	IFSM	500	mA
Junction temperature	Tj	150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-55 to +150	°C

Note) *1: Value in single diode used
*2: t = 1 s

Internal Connection



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Revised : 2013-06-19

Switching Diode

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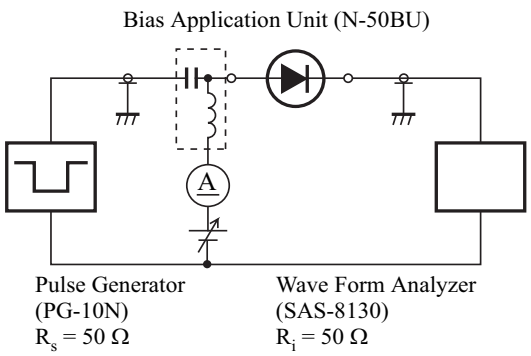
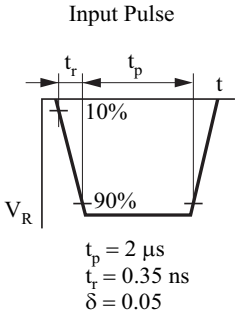
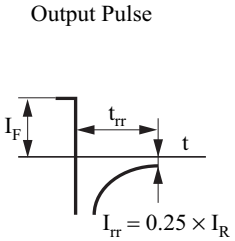
■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 100 mA			1.2	V
Reverse voltage	VR	IR = 100 µA	80			V
Reverse current	IR	VR = 75 V			100	nA
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz			2	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







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Switching Diode
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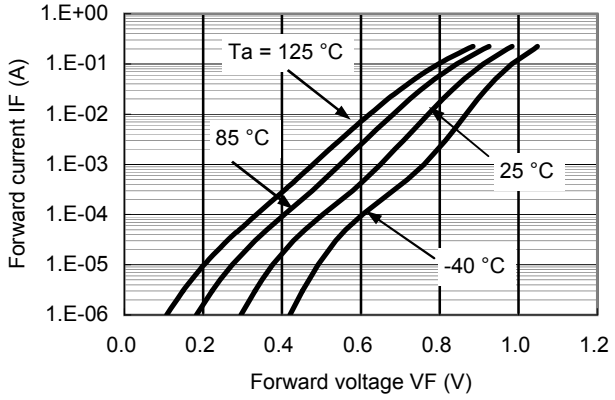
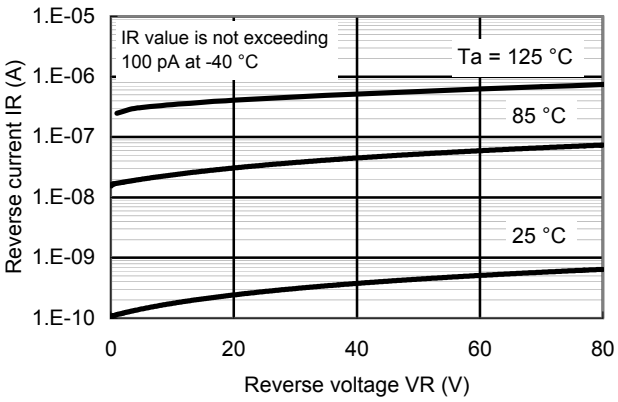
Technical Data (reference)

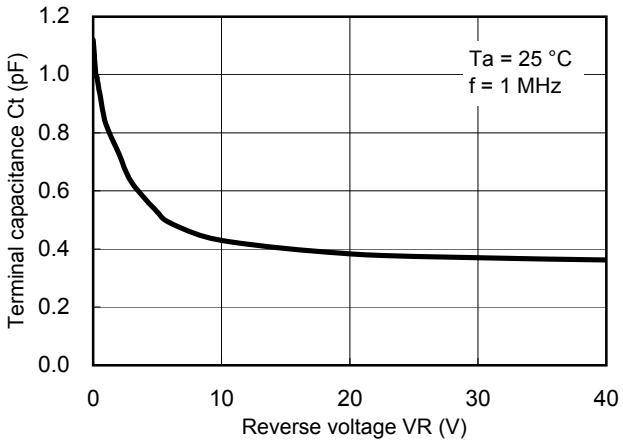
IF - VF



IR - VR



Ct - VR



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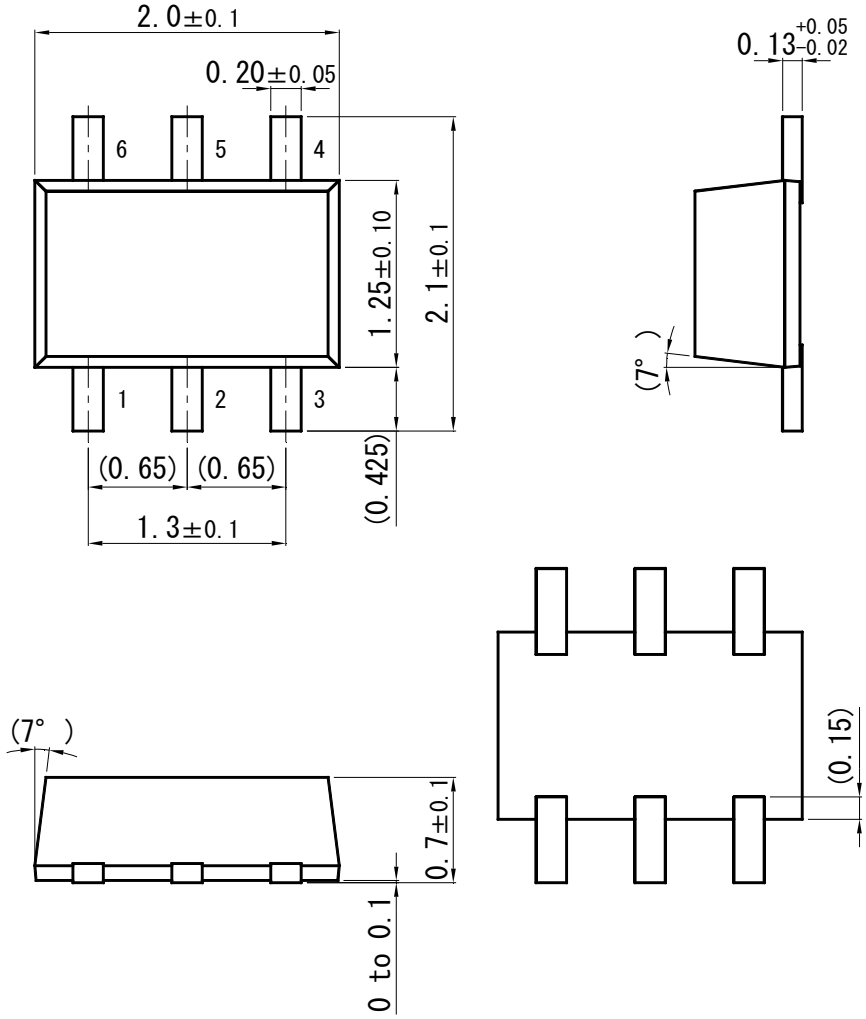
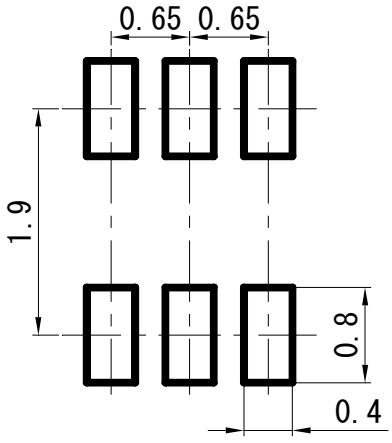
SMini6-F3-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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