Switching Diode

Unit: mm

0.7

0. 13

DA3S101A0L

Panasonic

DA3S101A0L

Silicon epitaxial planar type

For high speed switching circuits DA3J101A in SSMini3 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: 20

■ Packaging

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

3. Anode

Panasonic SSMini3-F3-B

JEITA SC-89

Code SOT-490

85

1.6

0.26

(0. 5) (0. 5) 1. 0

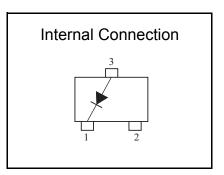
1. Cathode

2. NC

■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Reverse voltage	VR	80	V
Maximum peak reverse voltage	VRM	80	V
Forward current	IF	100	mA
Peak forward current	IFM	225	mA
Non-repetitive peak forward surge current *1	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: 50 Hz sine wave 1 cycle (Non-repetitive peak current)



Established: 2009-11-17 Revised: 2013-06-06 Revision. 4

Switching Diode

DA3S101A0L

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

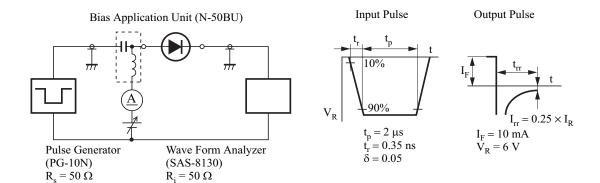
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 100 mA		0.92	1.20	V
Reverse voltage	VR	IR = 100 μA	80			V
Reverse current	IR	VR = 80 V			100	nA
Terminal capacitance	Ct	VR = 0 V , f = 1 MHz			1.2	pF
Reverse recovery time *1	trr	IF = 10 mA, VR = 6 V			Q	ns
		Irr = 0.25 x IR		. "	3	

- 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

Established: 2009-11-17

Revised

: 2013-06-06

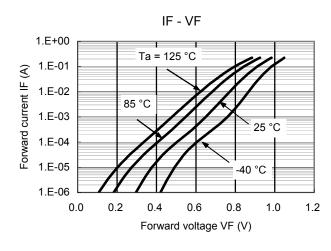


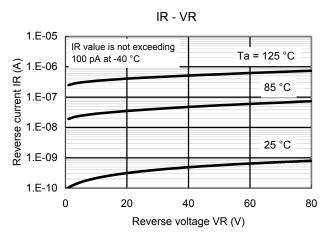
Panasonic

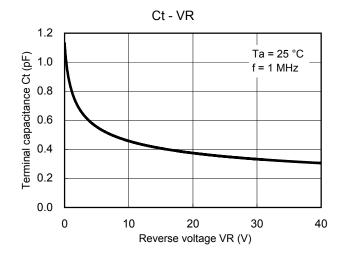
Switching Diode

DA3S101A0L

Technical Data (reference)







Established: 2009-11-17 Revised: 2013-06-06

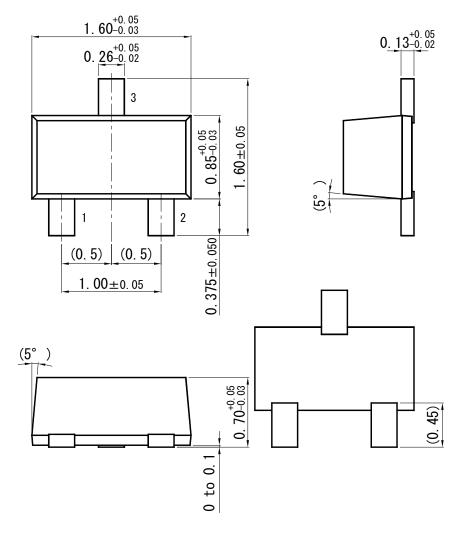
Switching Diode

DA3S101A0L

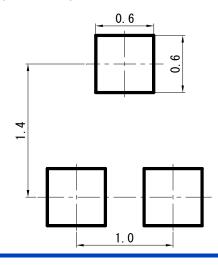
SSMini3-F3-B

Panasonic

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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Established: 2009-11-17 Revised: 2013-06-06

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