Revision. 3

Switching Diode

DA2U10100L

DA2U10100L

Panasonic

Silicon epitaxial planar type

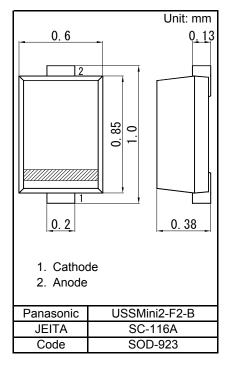
For high speed switching circuits DA27101 in USSMini2 type package

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: A1

■ Packaging

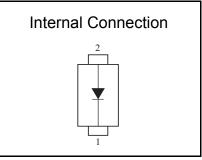
Embossed type (Thermo-compression sealing): 10 000 pcs / reel (standard)



■ 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: t = 1 s



Established: 2010-08-25 Revised: 2013-05-31 Revision. 3

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

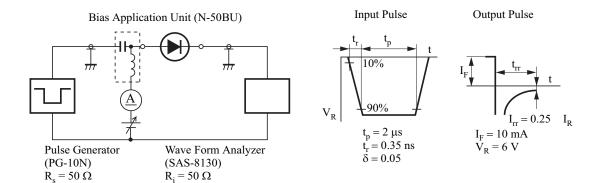
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	IF = 100 mA		0.92	1.20	V
Reverse voltage	VR	IR = 100 μA	80			V
Reverse current	IR	VR = 80 V			100	nA
Terminal capacitance	Ct	VR = 0 V , f = 1 MHz			2.0	pF
Reverse recovery time *1	trr	IF = 10 mA, VR = 6 V			3	ns
		Irr = 0.25 x IR		3	3	

- 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: 2010-08-25

Revised

: 2013-05-31

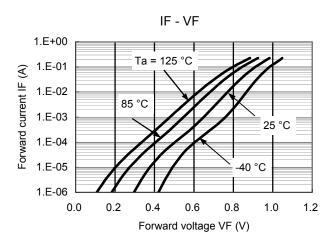


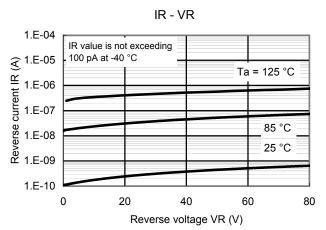
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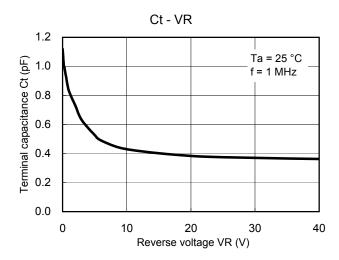
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Technical Data (reference)







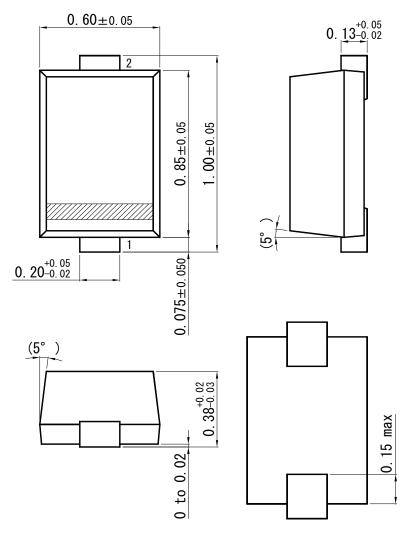
Established: 2010-08-25 Revised: 2013-05-31 **Panasonic**

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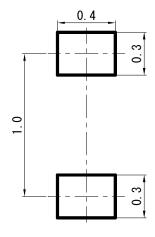
USSMini2-F2-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)

Established: 2010-08-25 Revised: 2013-05-31



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