

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Switching Diode
DA2S10100L

DA2S10100L

Silicon epitaxial planar type

For high speed switching circuits
DA2J101 in SSMini2 type package

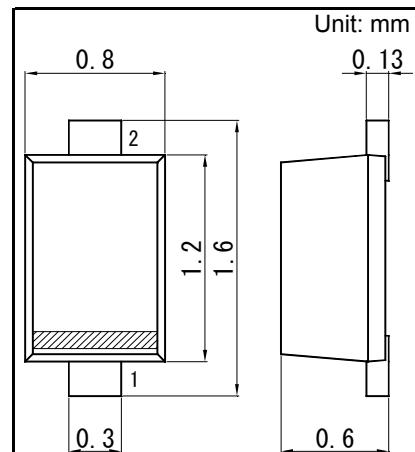
■ Features

- 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) : 3 000 pcs / reel (standard)



1. Cathode
2. Anode

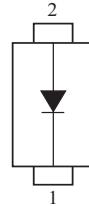
Panasonic	SSMini2-F5-B
JEITA	SC-79
Code	SOD-523

■ 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	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



Panasonic

Switching Diode
DA2S10100L

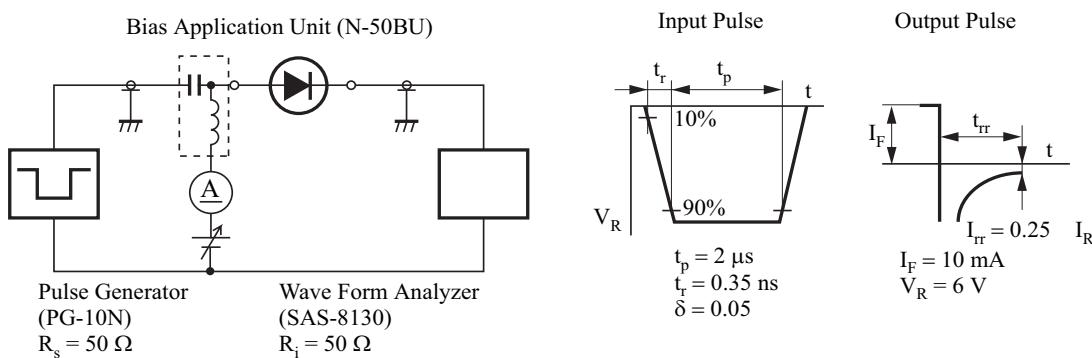
■ Electrical Characteristics $T_a = 25 \text{ }^{\circ}\text{C} \pm 3 \text{ }^{\circ}\text{C}$

Parameter	Symbol	Conditions	Min	Typ	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 Irr = 0.25 \times IR			3	ns

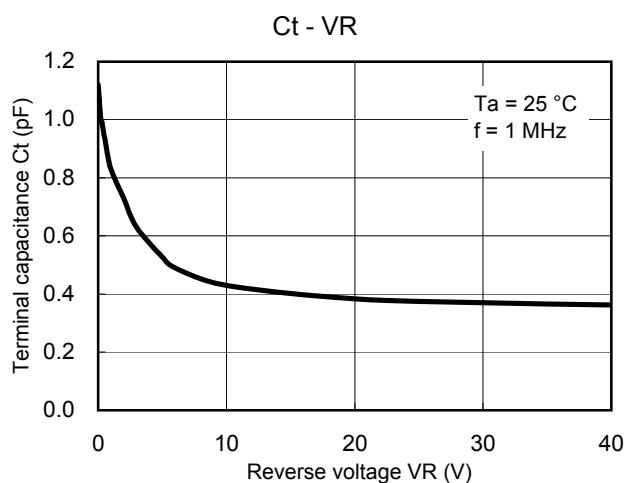
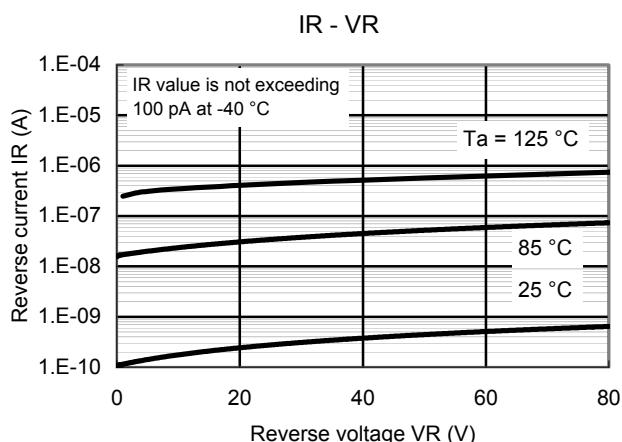
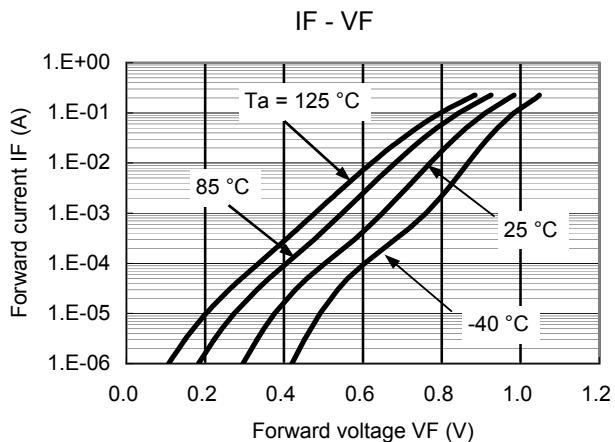
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.

2. Absolute frequency of input and output is 100 MHz.

3. ¹: trr test circuit



Technical Data (reference)

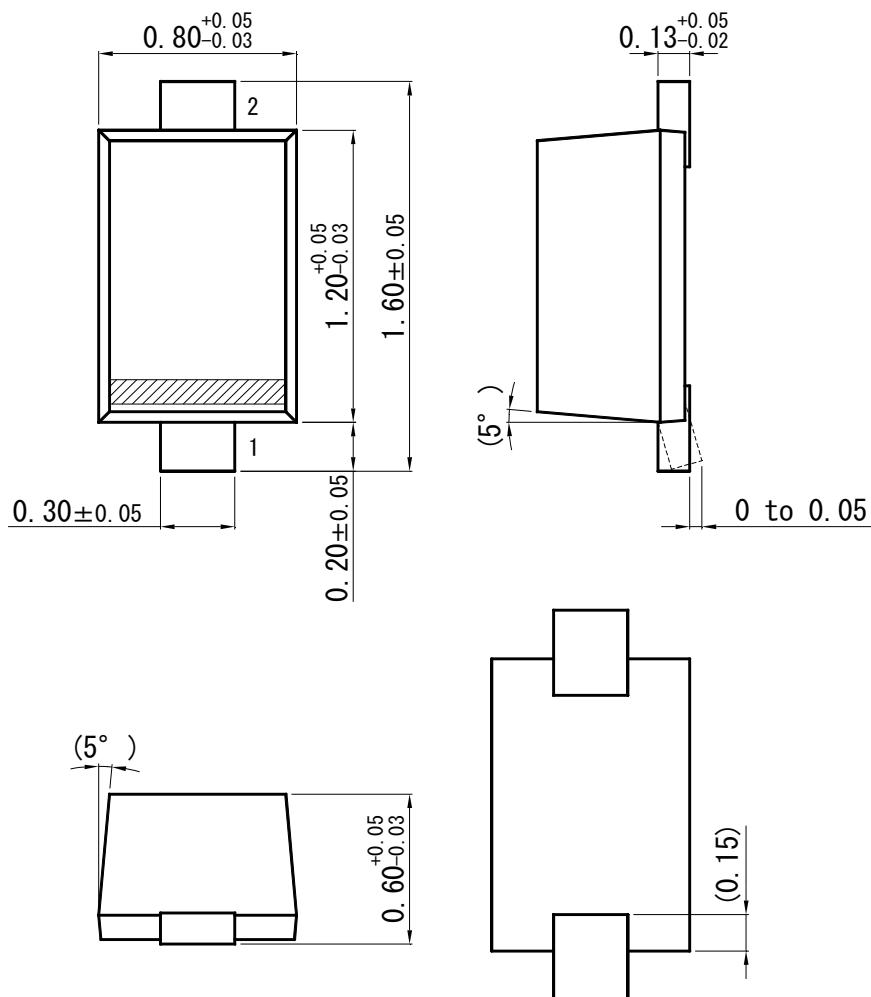


Panasonic

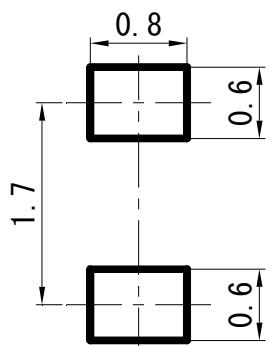
Switching Diode
DA2S10100L

SSMini2-F5-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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