

DA3S101A0L

Silicon epitaxial planar type

For high speed switching circuits
DA3J101A in SSMini3 type package

■ Features

- Small reverse current I_R
- Short reverse recovery time t_{rr}
- Halogen-free / RoHS compliant
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: 20

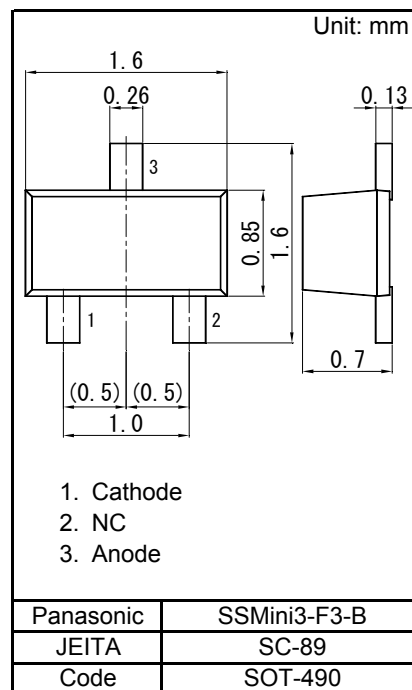
■ Packaging

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

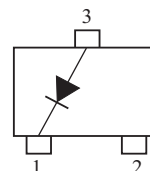
■ Absolute Maximum Ratings $T_a = 25\text{ }^{\circ}\text{C}$

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)



Internal Connection



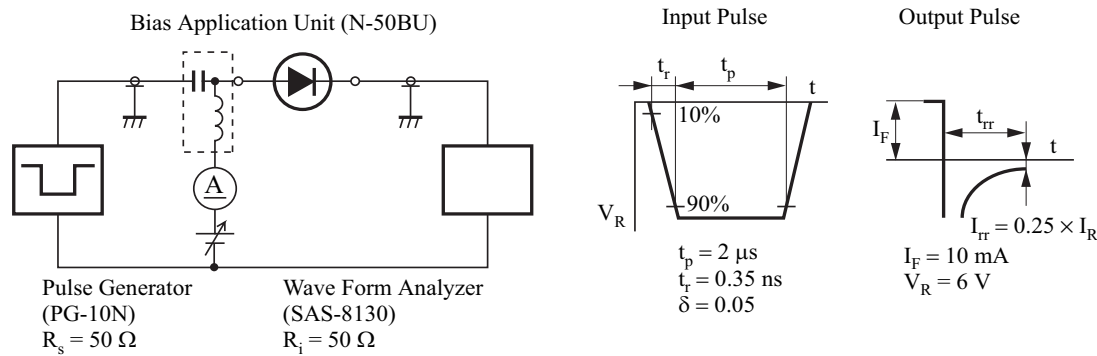
Panasonic

Switching Diode
DA3S101A0L

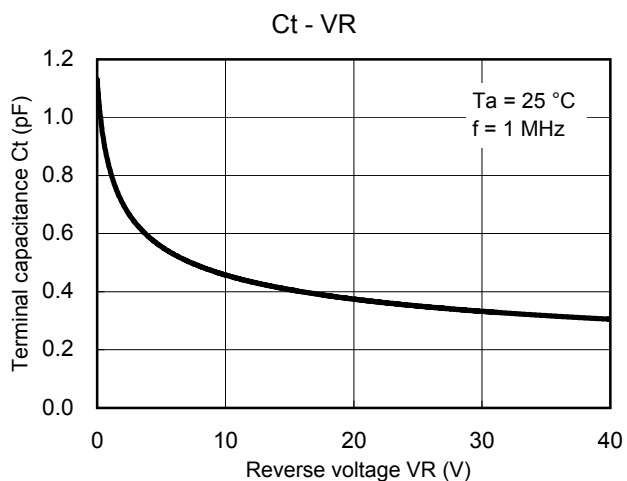
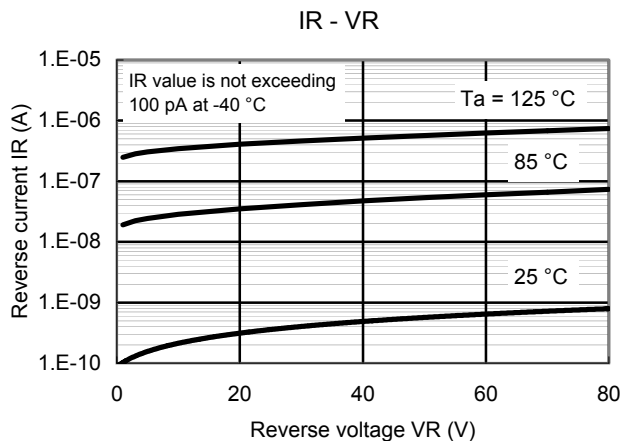
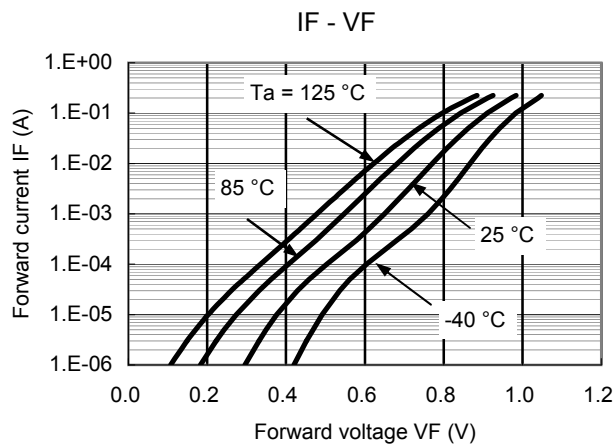
■ Electrical Characteristics Ta = 25 °C ± 3 °C

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 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



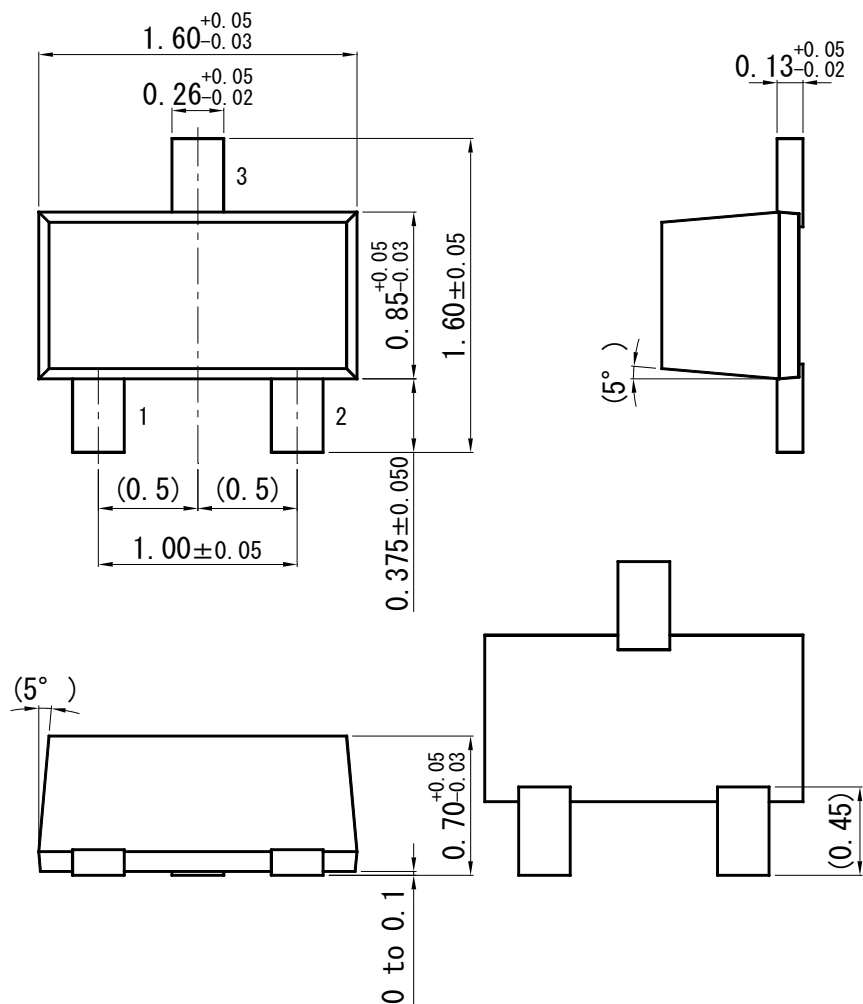
Technical Data (reference)



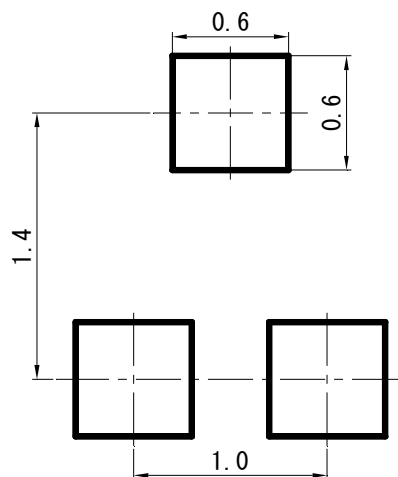
Panasonic

SSMini3-F3-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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