



DA3J101F0L

Silicon epitaxial planar type

For high speed switching circuits
DA3X101F in SMini3 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: 22

■ Basic Part Number :
Dual DA2J101 (Series)

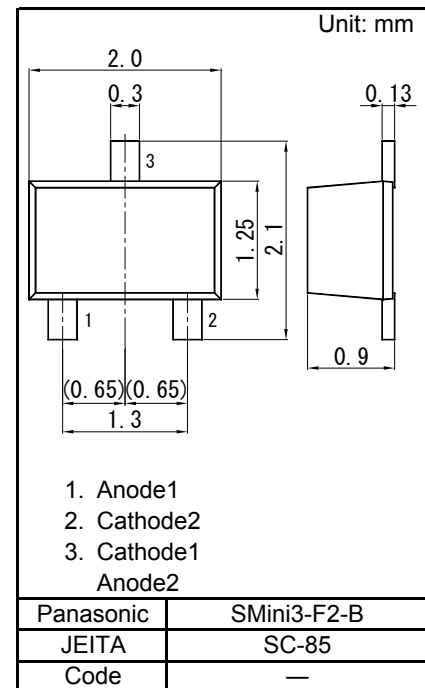
■ Packaging

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

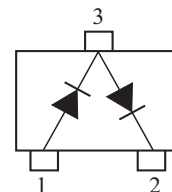
■ Absolute Maximum Ratings $T_a = 25\text{ }^{\circ}\text{C}$

Parameter		Symbol	Rating	Unit
Reverse voltage		VR	80	V
Maximum peak reverse voltage		VRM	80	V
Forward current	Single	IF	100	mA
	Series		65	mA
Peak forward current	Single	IFM	225	mA
	Series		145	mA
Non-repetitive peak forward surge current ^{*1}	Single	IFSM	500	mA
	Series		325	mA
Junction temperature		Tj	150	°C
Operating ambient temperature		Topr	-40 to +85	°C
Storage temperature		Tstg	-55 to +150	°C

Note) ^{*1}: $t = 1\text{ s}$



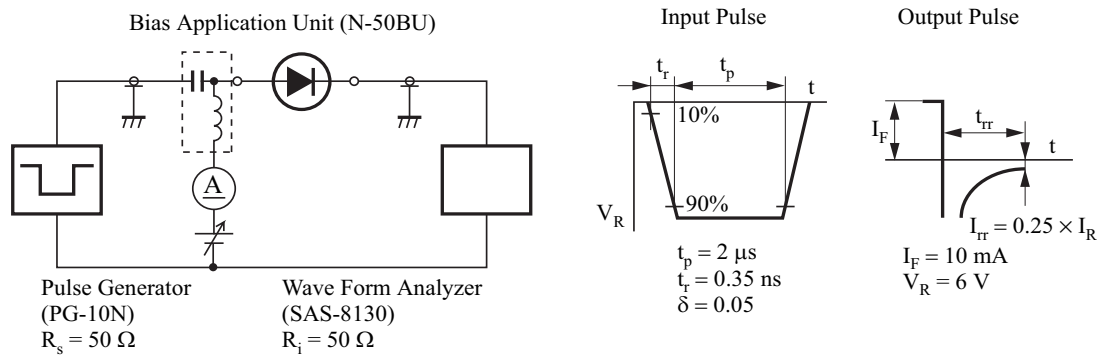
Internal Connection



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

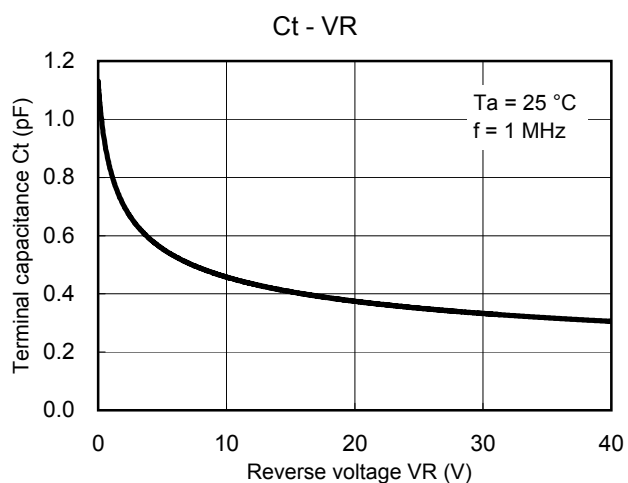
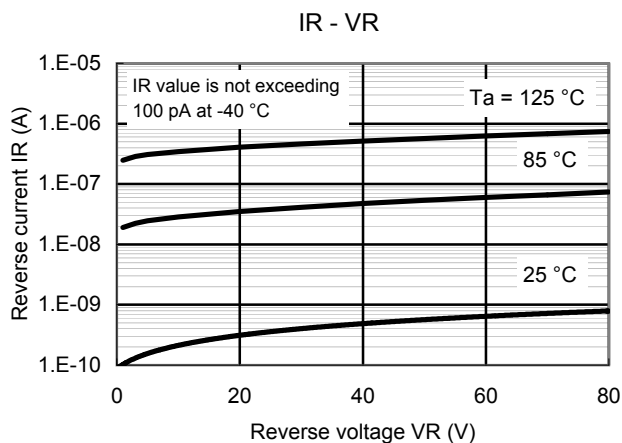
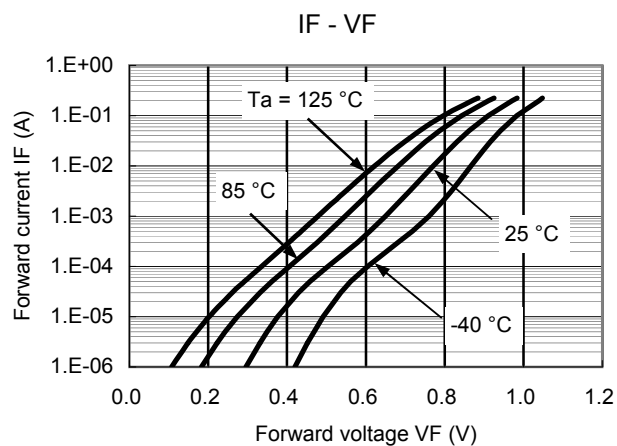
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 100 mA		0.92	1.20	V
Reverse voltage	VR	IR = 100 μA	80			V
Reverse current	IR	VR = 80 V			100	nA
Terminal capacitance	Ct	VR = 0 V , f = 1 MHz			1.2	pF
Reverse recovery time *1	trr	IF = 10 mA, VR = 6V Irr = 0.25 x IR			3	ns

- 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





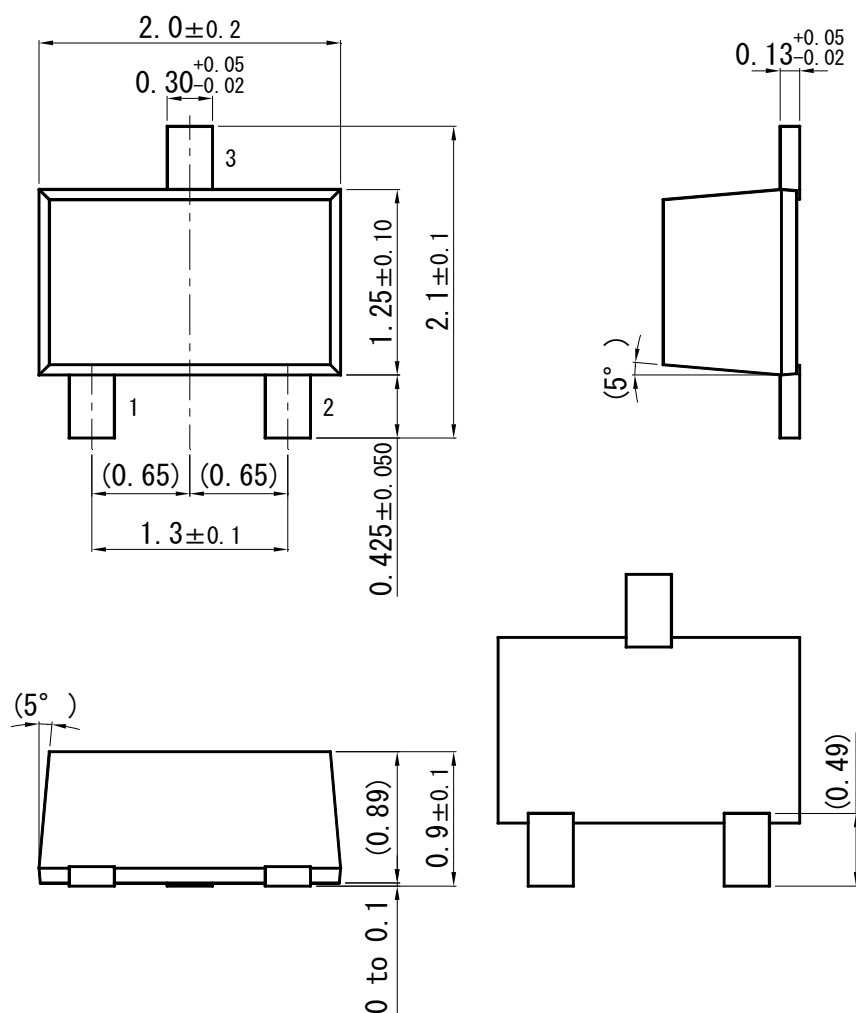
Technical Data (reference)



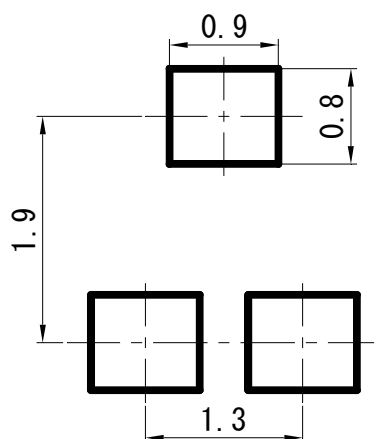
Panasonic

SMini3-F2-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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