



DA3S102D0L

Silicon epitaxial planar type

For high speed switching circuits
DA3J102D in SSMini3 type package

■ Features

- Short reverse recovery time t_{rr}
- Low terminal capacitance C_t
- Halogen-free / RoHS compliant
(EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

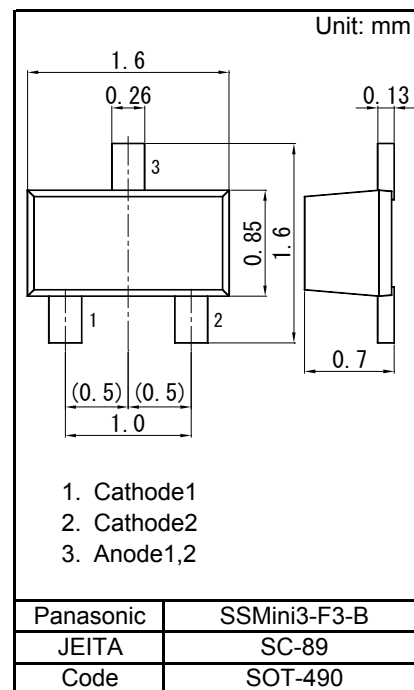
■ Marking Symbol: 23

■ Basic Part Number :

2 elements anode-common type

■ Packaging

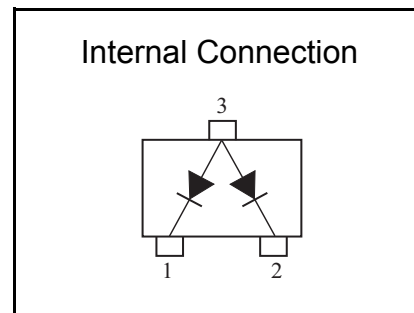
Embossed type (Thermo-compression sealing) : 3 000 pcs / reel (standard)



■ 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
	Double		150	mA
Peak forward current	Single	IFM	225	mA
	Double		340	mA
Non-repetitive peak forward surge current ^{*1}	Single	IFSM	500	mA
	Double		750	mA
Junction temperature		Tj	150	°C
Operating ambient temperature		Topr	-40 to +85	°C
Storage temperature		Tstg	-55 to +150	°C

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



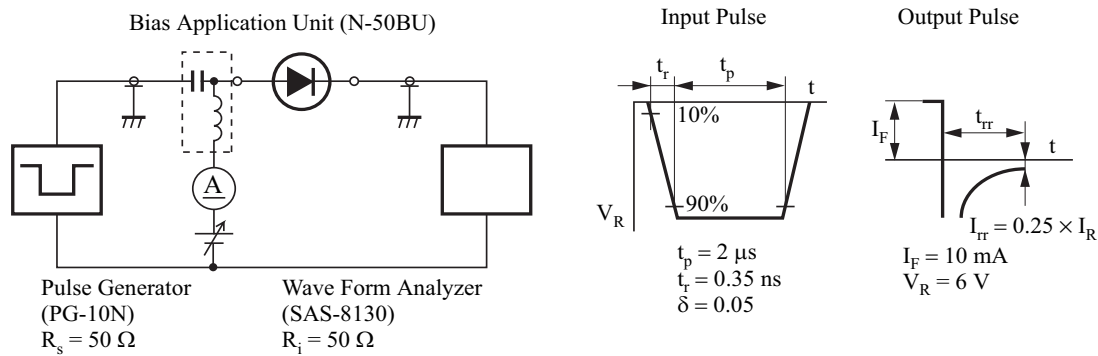
Panasonic

Switching Diode
DA3S102D0L

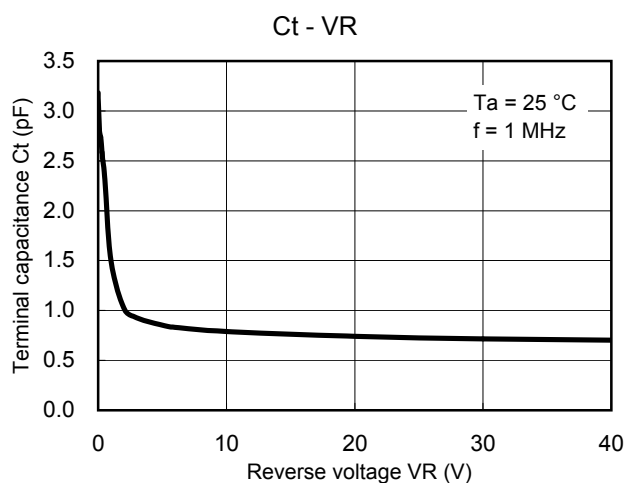
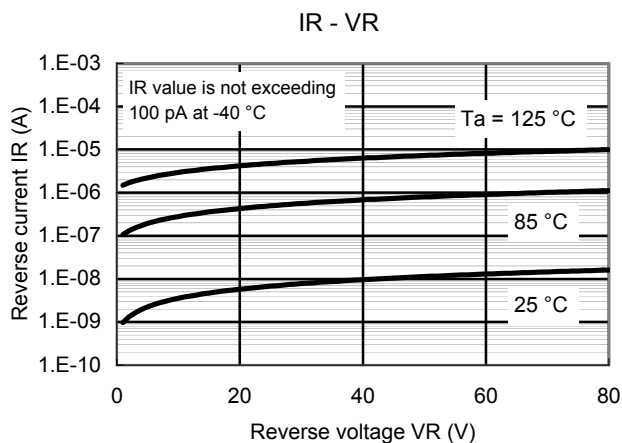
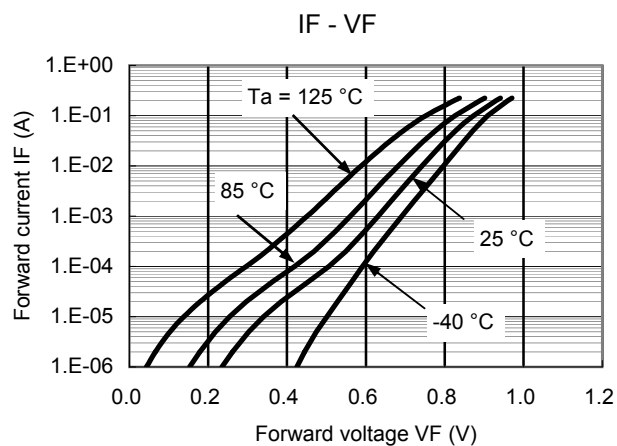
■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 100 mA			1.2	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			15	pF
Reverse recovery time *1	trr	IF = 10 mA, VR = 6 V Irr = 0.25 × IR			10	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

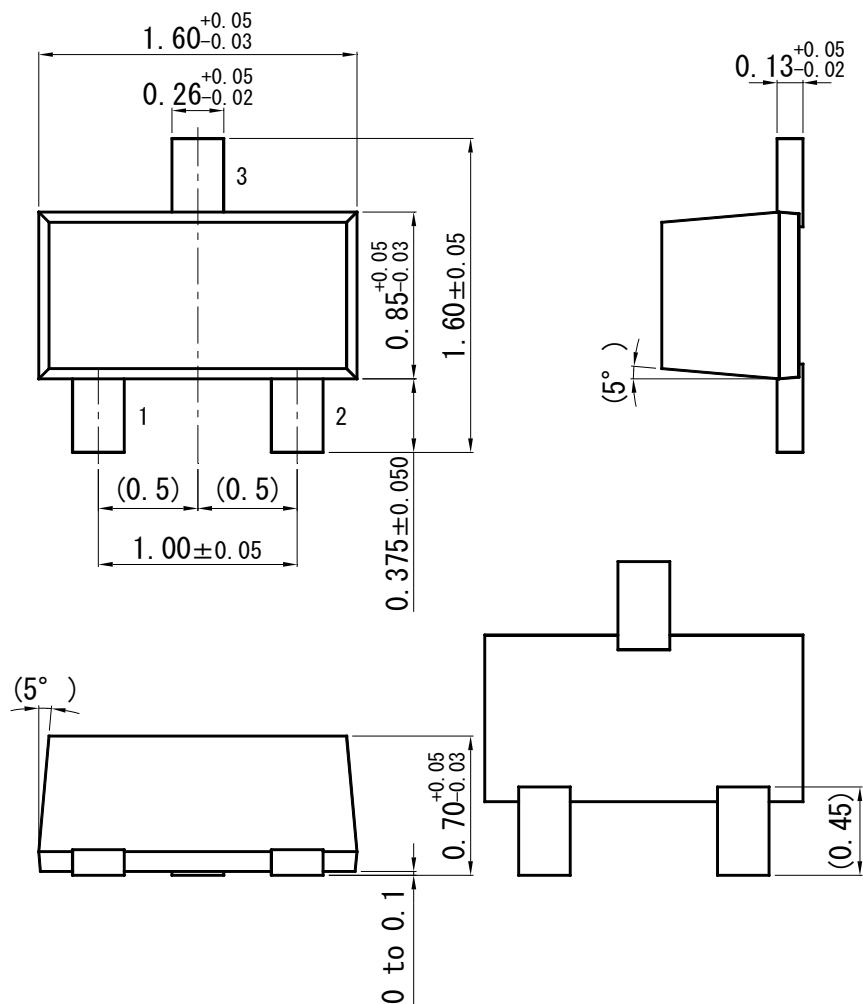


Technical Data (reference)

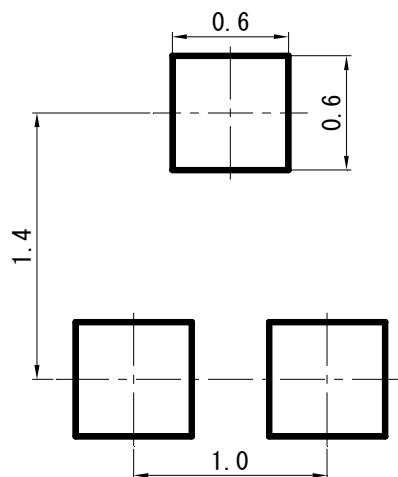


SSMini3-F3-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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