

DA37102D

Silicon epitaxial planar type

For high speed switching circuits
 2 elements anode-common type
 DA3S102D in SSSMini3 type package

■ Features

- Short reverse recovery time t_{rr}
- Low terminal capacitance C_t
- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

■ Packaging

Embossed type (Thermo-compression sealing): 10000 pcs / reel (standard)

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

Parameter	Symbol	Rating	Unit	
Reverse voltage	V_R	80	V	
Maximum peak reverse voltage	V_{RM}	80	V	
Forward current	Single	I_F	100	mA
	Double		150	mA
Peak forward current	Single	I_{FM}	225	mA
	Double		340	mA
Non-repetitive peak forward surge current *	Single	I_{FSM}	500	mA
	Double		750	mA
Junction temperature	T_j	150	$^\circ\text{C}$	
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$	

Note) *: 1 t = 1 s

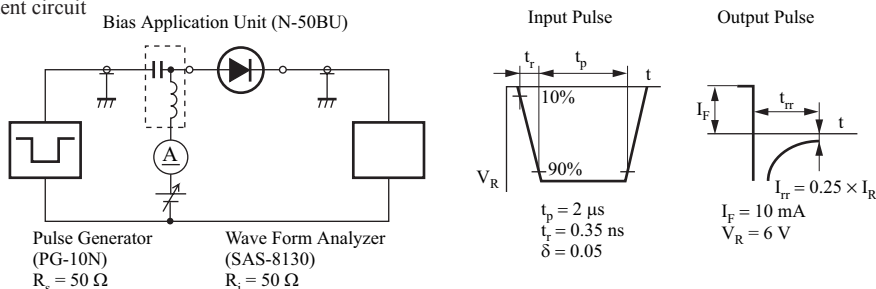
■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 100 \text{ mA}$			1.2	V
Reverse voltage	V_R	$I_R = 100 \mu\text{A}$	80			V
Reverse current	I_R	$V_R = 80 \text{ V}$			100	nA
Terminal capacitance	C_t	$V_R = 0 \text{ V}, f = 1 \text{ MHz}$			15	pF
Reverse recovery time *	t_{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}, I_{tr} = 0.25 \times I_R$			10	ns

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

2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
3. Absolute frequency of input and output is 100 MHz

*: t_{rr} measurement circuit

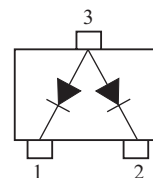


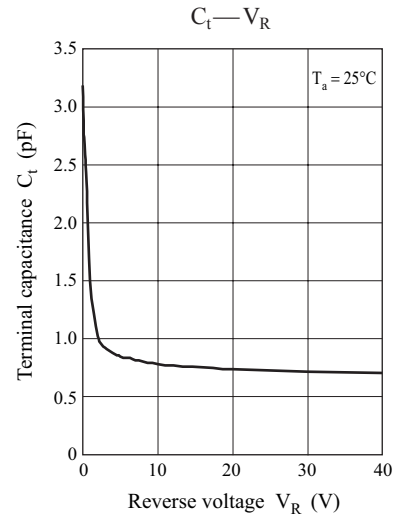
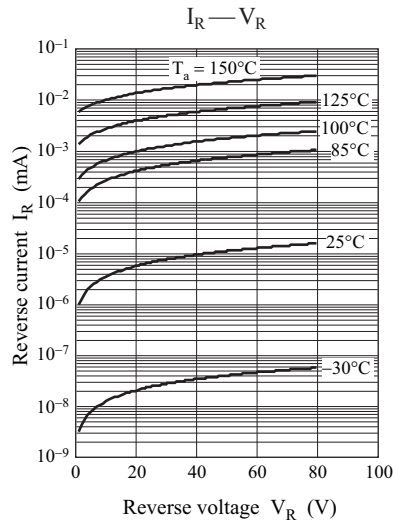
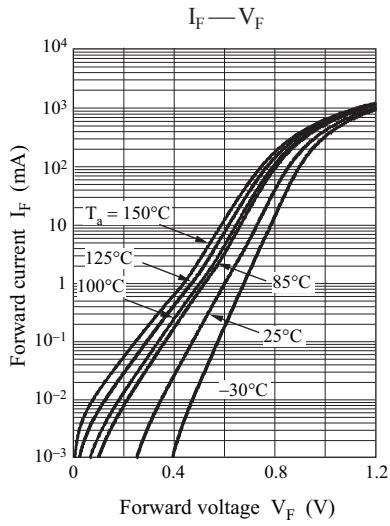
■ Package

- Code
SSSMini3-F2-B
- Pin Name
1: Cathode-1 3: Anode-1
2: Cathode-2 Anode-2

■ Marking Symbol: 23

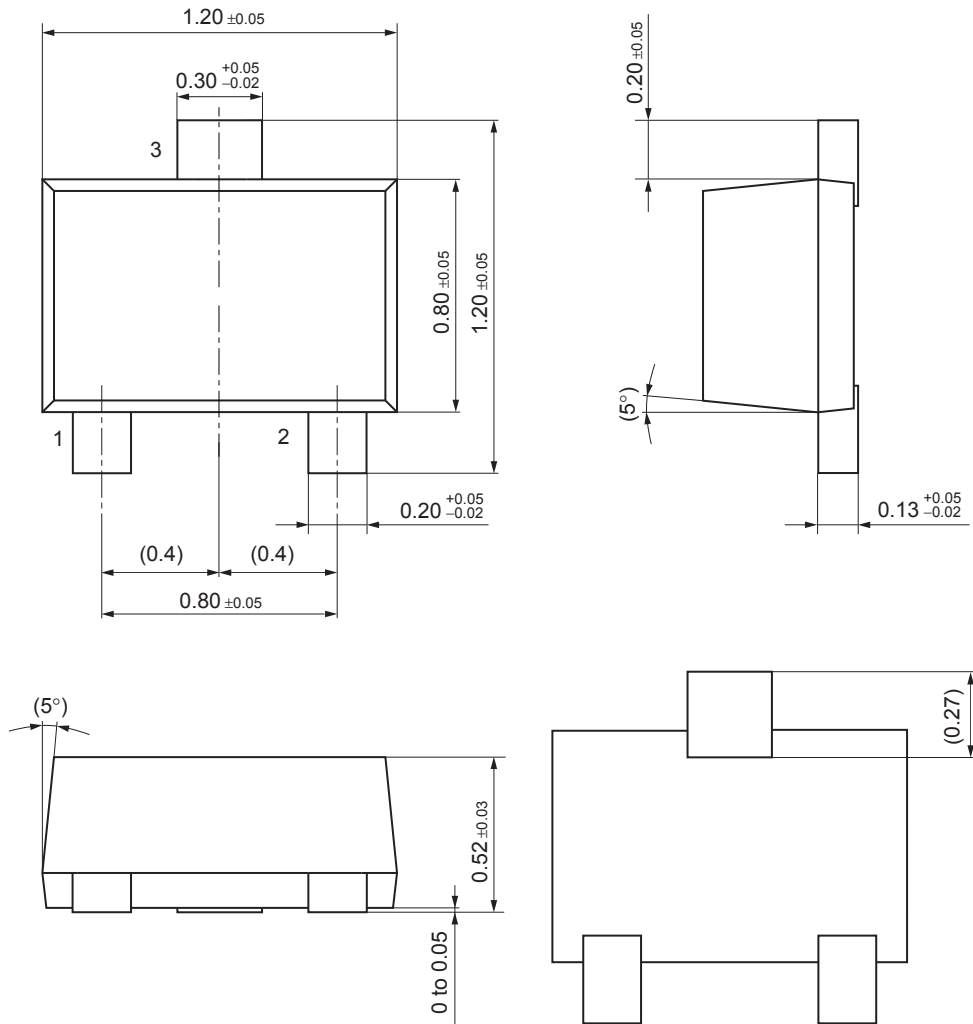
■ Internal Connection





SSSMini3-F2-B

Unit: mm



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