## **DA27101**

### Silicon epitaxial planar type

For high speed switching circuits DA2J101 in SSSMini2 type package

#### ■ Features

- Small reverse current I<sub>R</sub>
- Short reverse recovery time t<sub>rr</sub>
- 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 $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Reverse voltage	V <sub>R</sub>	80	V	
Maximum peak reverse voltage	V <sub>RM</sub>	80	V	
Forward current	$I_{\mathrm{F}}$	100	mA	
Peak forward current	$I_{FM}$	225	mA	
Non-repetitive peak forward surge current *	I <sub>FSM</sub>	500	mA	
Junction temperature	T <sub>j</sub>	150	°C	
Storage temperature	T <sub>stg</sub>	-55 to +150	°C	

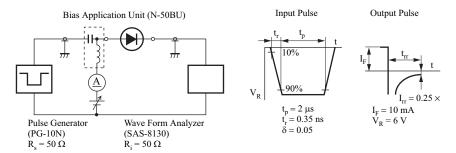
Note) \*: 1 t = 1 s

#### ■ Electrical Characteristics $T_a = 25$ °C±3°C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V <sub>F</sub>	$I_F = 100 \text{ mA}$		0.92	1.20	V
Reverse voltage	V <sub>R</sub>	$I_R = 100 \mu A$	80			V
Reverse current	$I_R$	$V_R = 80 \text{ V}$			100	nA
Terminal capacitance	Ct	$V_R = 0 V$ , $f = 1 MHz$			1.2	pF
Reverse recovery time *	t <sub>rr</sub>	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}, I_{rr} = 0.25 \times I_R$			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  $100\ \text{MHz}$
- 3. \*: t<sub>rr</sub> measurement circuit



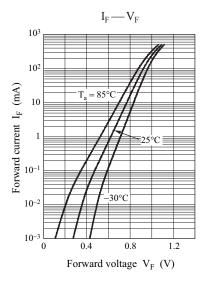
#### ■ Package

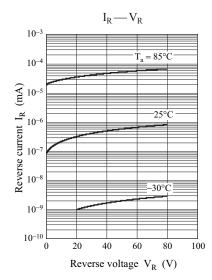
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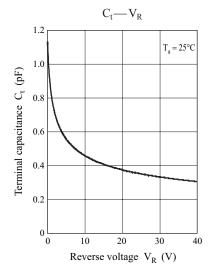
SSSMini2-F4-B

- Pin Name
  - 1: Cathode
  - 2: Anode
- Marking Symbol: A1

DA27101 Panasonic



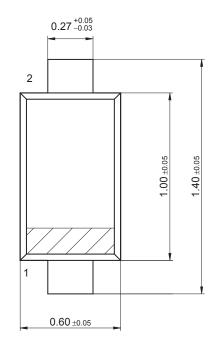


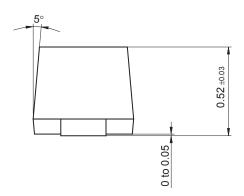


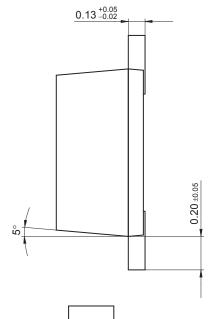
2 Ver. DED

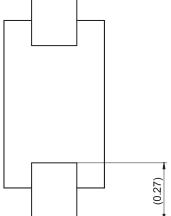
### SSSMini2-F4-B

Unit: mm









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