# **DA4X101F**

# Silicon epitaxial planar type

For high speed switching circuits

### ■ 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

#### ■ Basic Part Number

Dual DA2J101 (Parrarel, oppositely arranged)

#### Packaging

Embossed type (Thermo-compression sealing): 3000 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		$V_{RM}$	80	V	
Forward current	Single	т	100	mA	
	Double	$I_{\rm F}$	75	mA	
Peak forward current	Single	т.	225	mA	
	Double	$I_{FM}$	170	mA	
Non-repetitive peak forward surge current *	Single	т	500	mA	
	Double	$I_{FSM}$	375	mA	
Junction temperature		T <sub>j</sub>	150	°C	
Storage temperature		T <sub>stg</sub>	-55 to +150	°C	

Note) \*: 1 t = 1 s

### ■ Package

• Code

Mini4-G4-B

• Pin Name

1: Anode-1 3: Anode-2 2: Cathode-2 4: Cathode-1

## ■ Marking Symbol: 22

#### ■ Internal Connection

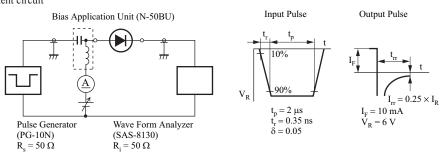


# ■ Electrical Characteristics $T_a = 25$ °C±3°C

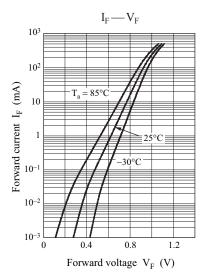
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V <sub>F</sub>	$I_F = 100 \text{ mA}$		0.95	1.20	V
Reverse voltage	V <sub>R</sub>	$I_R = 100 \mu A$	80			V
Reverse current	$I_R$	$V_R = 80 \text{ V}$			100	nA
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		0.9	2.0	pF
Reverse recovery time *	t <sub>rr</sub>	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}, I_{rr} = 0.25 \times I_R$			3	ns

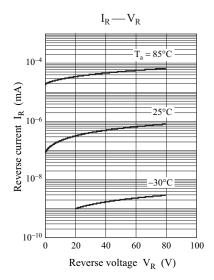
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

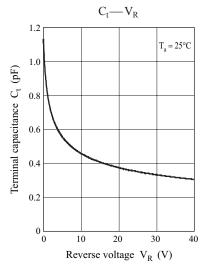
- 2. Absolute frequency of input and output is 100 MHz
- 3. \*: t<sub>rr</sub> measurement circuit



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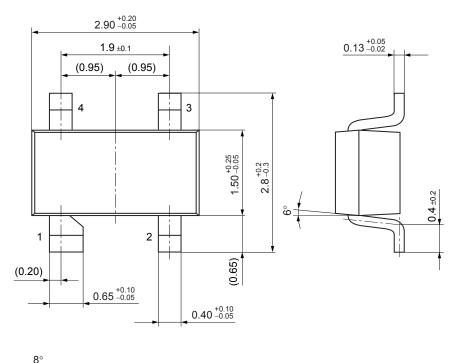


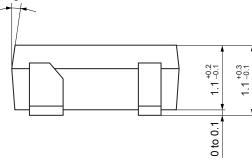




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Mini4-G4-B Unit: mm





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