# **DA4X106U**

# Silicon epitaxial planar type

For high speed switching circuits

### ■ Features

- ullet Short reverse recovery time  $t_{rr}$
- Low terminal capacitance C<sub>t</sub>
- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

### ■ Basic Part Number

DA3X102D + DA3X103E (Bridge)

### Packaging

Embossed type (Thermo-compression sealing): 3000 pcs / reel (standard)

# ■ Absolute Maximum Ratings $T_a = 25$ °C

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

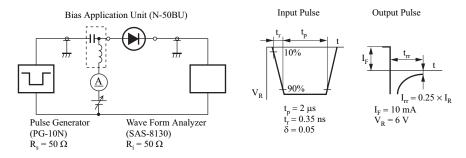
Note) \*: 1 t = 1 s

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\mathrm{F}}$	$I_F = 100 \text{ mA}$			1.2	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	$V_R = 0 V, f = 1 MHz$			15	pF
Reverse recovery time *	t <sub>rr</sub>	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}, I_{rr} = 0.25 \times I_R$			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. \*: t<sub>rr</sub> measurement circuit



### ■ Package

Code

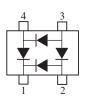
Mini4-G4-B

• Pin Name

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

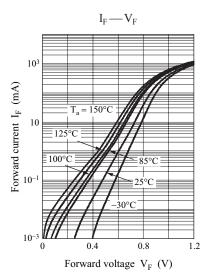
■ Marking Symbol: 29

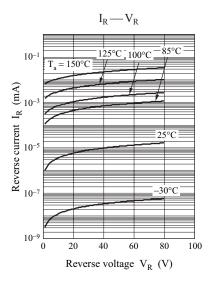
## ■ Internal Connection

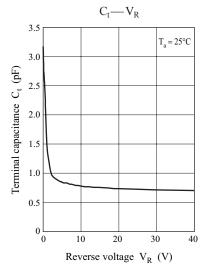


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DA4X106U Panasonic

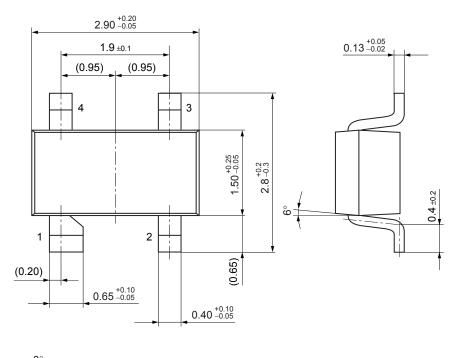


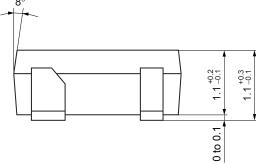




2 ZKF00162BED

Mini4-G4-B Unit: mm





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