Unit: mm

0.13

DA4X106U

Silicon epitaxial planar type

For small current recitification

■ 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: 29

■ Basic Part Number

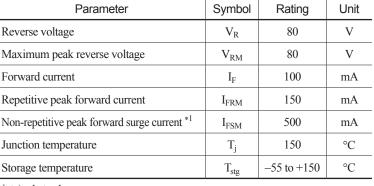
DA3X102D + DA3X103E (Bridge)

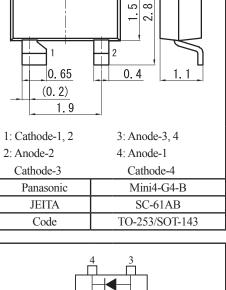
Packaging

DA4X106U0R Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)

■ Absolute Maximum Ratings $T_a = 25$ °C

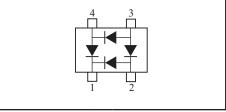
Parameter	Symbol	Rating	Unit	
Reverse voltage	V _R	80	V	
Maximum peak reverse voltage	V _{RM}	80	V	
Forward current	I_{F}	100	mA	
Repetitive peak forward current	I _{FRM}	150	mA	
Non-repetitive peak forward surge current *1	I_{FSM}	500	mA	
Junction temperature	T_j	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	





2. 9

(0.95)(0.95)



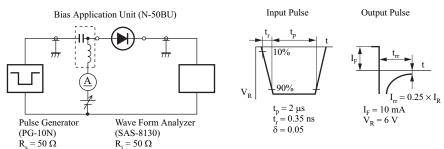
Note) *1: t = 1 s

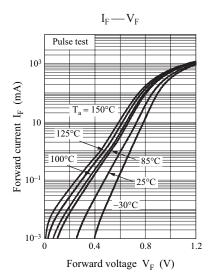
■ Electrical Characteristics $T_a = 25$ °C±3°C

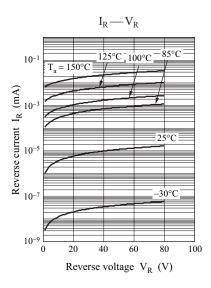
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 100 \text{ mA}$			1.2	V
Reverse voltage	V _R	$I_R = 100 \mu A$	80			V
Reverse current	I_R	$V_R = 80 \text{ V}$			100	nA
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$			15	pF
Reverse recovery time *1	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}, I_{rr} = 0.25 \times I_R$			10	ns

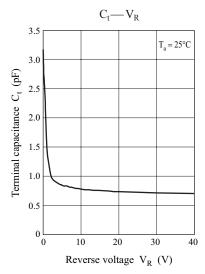
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

- 2. Absolute frequency of input and output is 100 MHz
- 3. *1: t_{rr} measurement circuit





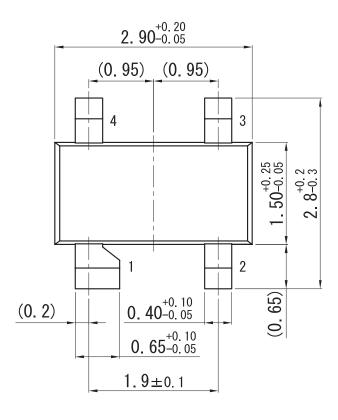


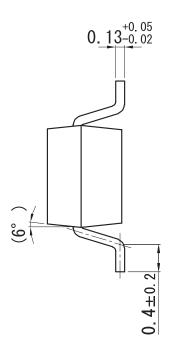


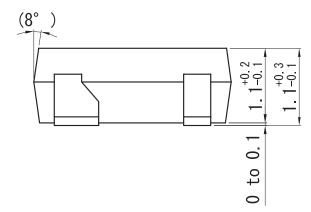
Ver. CED 2

Mini4-G4-B

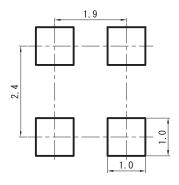
Unit: mm







■ Land Pattern (Reference) (Unit: mm)



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