DA6X106U

Silicon epitaxial planar type

For high speed switching circuits

■ Features

- ullet 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

■ Basic Part Number

DA3X102D + DA3X103E (Individual)

Packaging

Embossed type (Thermo-compression sealing): 3000 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	
Peak forward current *1	I_{FM}	225	mA	
Non-repetitive peak forward surge current *2	I _{FSM}	500	mA	
Junction temperature	T_j	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	

Note) *1: Value for single diode

*2: 1 t = 1 s

Minic O4 I

■ Package

• Code

Mini6-G4-B

• Pin Name

1: Cathode-1 4: Cathode-3 2: Cathode-2 5: Cathode-4 3: Anode-3, 4 6: Anode-1, 2

■ Marking Symbol: 29

■ Internal Connection

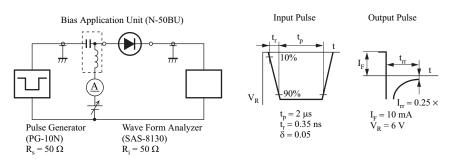


■ Electrical Characteristics $T_a = 25$ °C±3°C

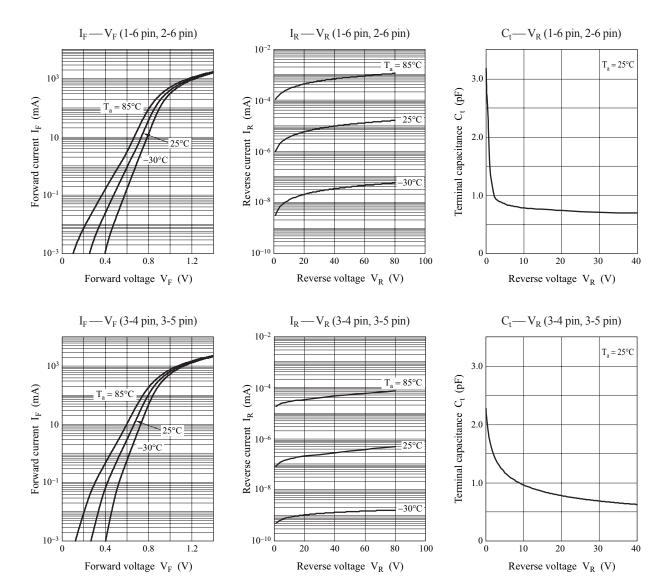
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 100 \text{ mA}$			1.2	V
Reverse voltage	V _R	$I_R = 100 \mu A$	80			V
Reverse current	I_R	$V_R = 80 \text{ V}$			100	nA
Terminal capacitance	C_{t}	$V_R = 0 V, f = 1 MHz$			15	pF
Reverse recovery time *	t _{rr}	$I_F = 10 \text{ mA},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

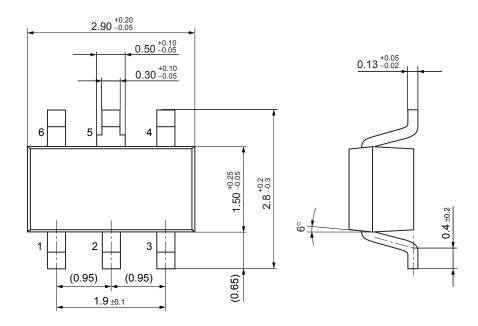


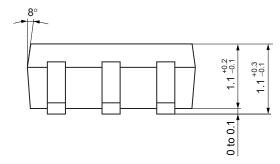
DA6X106U Panasonic



2 Ver. BED

Mini6-G4-B Unit: mm





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