DA3X101K

Silicon epitaxial planar type

For high speed switching circuits DA2J101 in Mini3 package

■ Features

- ullet Short reverse recovery time t_{rr}
- Small reverse current I_R
- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

■ 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	I_{FM}	225	mA	
Non-repetitive peak forward surge current *	I _{FSM}	500	mA	
Junction temperature	T_j	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	

Note) *: 1 t = 1 s

■ Package

Code

Mini3-G3-B

- Pin Name
 - 1: Anode
 - 2: N.C.
 - 3: Cathode
- Marking Symbol: 21

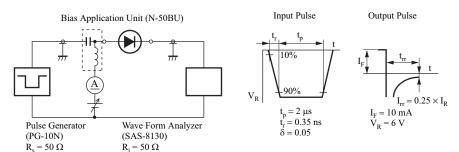
■ Internal Connection



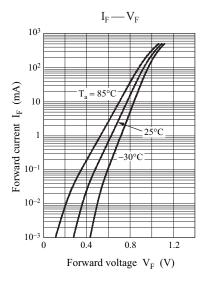
■ Electrical Characteristics $T_a = 25$ °C±3°C

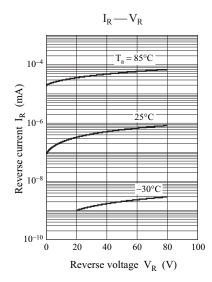
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 100 \text{ mA}$		0.92	1.20	V
Reverse voltage	V _R	$I_R = 100 \mu A$	80			V
Reverse current	I_R	$V_R = 80 \text{ V}$			100	nA
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$			1.2	pF
Reverse recovery time *	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}, I_{rr} = 0.25 \times I_R$			3	ns

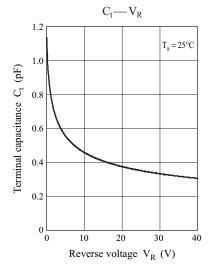
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. Absolute frequency of input and output is 100 MHz
 - 3. *: t_{rr} measurement circuit



DA3X101K Panasonic



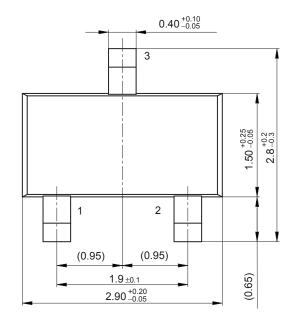


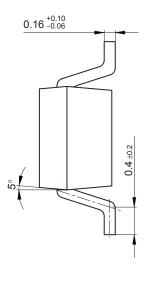


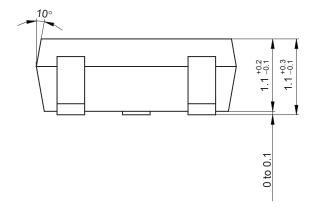
2 Ver. CED

Panasonic DA3X101K

Mini3-G3-B Unit: mm







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