

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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DA6X109W

Silicon epitaxial planar type

For high speed switching circuits DA5J109W in Mini6 type package

■ Features

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

■ Basic Part Number

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

■ Package

• Code

Mini6-G4-B

Pin Name

1: Anode-1 4: Anode-3

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

3: Anode-2 6: Anode-4

■ Marking Symbol: 28

■ Internal Connection

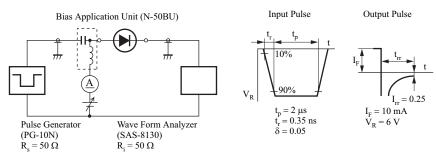


■ Electrical Characteristics $T_a = 25$ °C±3°C

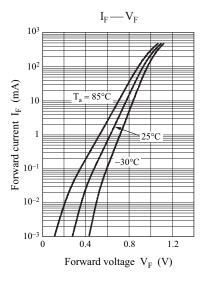
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	I _F = 100 mA			1.2	V
Reverse voltage	V _R	$I_R = 100 \mu A$	80			V
Reverse current	I_R	$V_R = 80 \text{ V}$			100	nA
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$			2	pF
Reverse recovery time *	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}, I_{rr} = 0.25 \times I_R$			3	ns

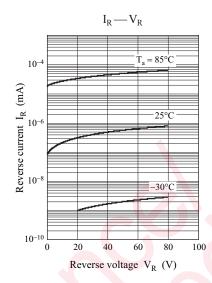
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

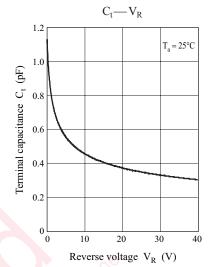
- 2. Absolute frequency of input and output is $100\ MHz$
- 3. *: t_{rr} measurement circuit



DA6X109W Panasonic

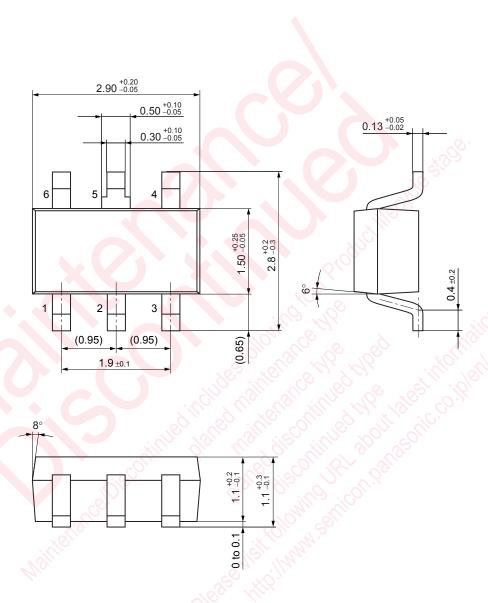






2 ZKF00170AED

Mini6-G4-B Unit: mm



3

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