# MA2J7270G

### Silicon epitaxial planar type

For super high speed switching For small current rectification

#### Features

- $V_R = 50$  V is guaranteed
- $I_{F(AV)} = 200$  mA rectification is possible

Absolute Maximum Ratings  $T_a = 25^{\circ}C$ 

#### Package

- Code
- SMini2-F3
- Pin Name
- 1: Anode 2: Cathode
- 2. Cathode
- Marking Symbol: 2F

	<u> </u>		
Parameter	Symbol	Rating	Unit
Reverse voltage	V <sub>R</sub>	50	V
Repetitive peak reverse voltage	V <sub>RRM</sub>	50	V
Forward current (Average)	I <sub>F(AV)</sub>	200	mA
Peak forward current	I <sub>FM</sub>	300	mA
Non-repetitive peak forward	I <sub>FSM</sub>	1	А
surge current *			
Junction temperature	Tj	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C
			6

Note) \*: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

#### Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

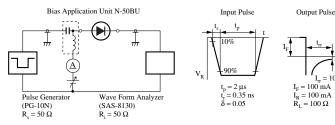
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V <sub>F1</sub>	$I_F = 30 \text{ mA}$	$\sim 2^{\circ}$		0.36	V
	V <sub>F2</sub>	I <sub>F</sub> = 200 mA			0.55	V
Reverse current	I <sub>R</sub>	$V_R = 50 V$			200	μΑ
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		30		pF
Reverse recovery time *	t <sub>rr</sub>	$I_F = I_R = 100 \text{ mA}$		3.0		ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

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

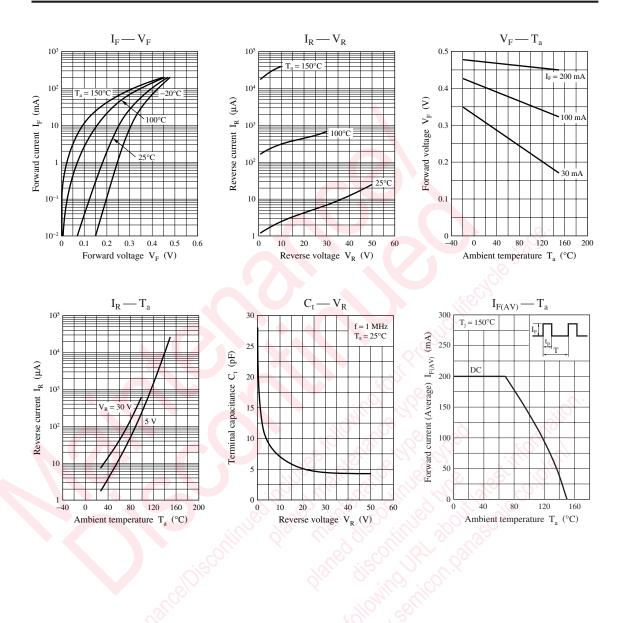
This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

4. \*: trr measurement circuit

3. Absolute frequency of input and output is 1 GHz.



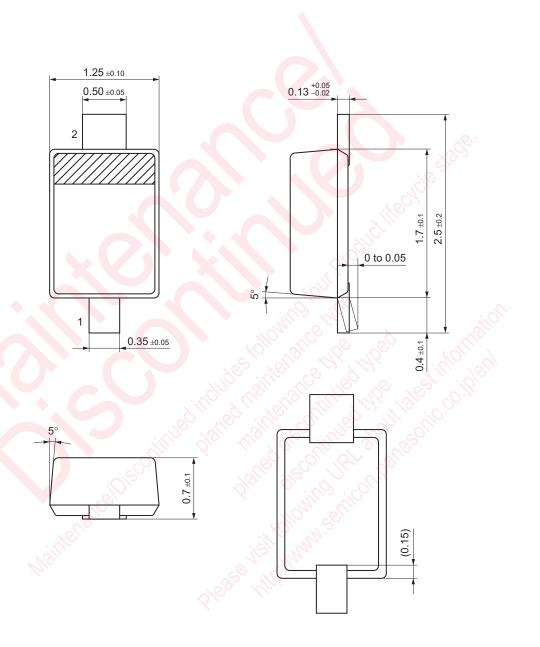
### Panasonic



### Panasonic

### SMini2-F3

Unit: mm



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