# MA2J729 (MA729)

## Silicon epitaxial planar type

For super high speed switching For small current rectification

### ■ Features

- Forward current (Average)  $I_{F(AV)} = 200$  mA rectification is possible
- High-density mounting is possible

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

Parameter	Symbol	Rating	Unit
Reverse voltage	$V_R$	30	V
Repetitive peak reverse voltage	V <sub>RRM</sub>	30	V
Peak forward current	$I_{FM}$	300	mA
Forward current (Average)	$I_{F(AV)}$	200	mA
Non-repetitive peak forward	$I_{FSM}$	1	A
surge current *			
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	$T_{stg}$	-55 to +150	°C

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

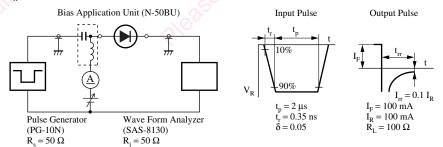
# Unit: mm 1.25±0.1 0.35±0.1 0.16±0.1 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16±0.06 0.16

Marking Symbol: 2B

## ■ Electrical Characteristics $T_a = 25$ °C $\pm 3$ °C

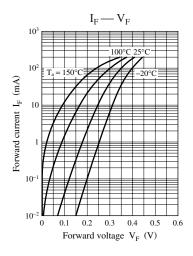
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V <sub>F</sub>	$I_F = 200 \text{ mA}$	9.		0.55	V
Reverse current	$I_R$	$V_R = 30 \text{ V}$			50	μΑ
Terminal capacitance	C <sub>t</sub>	$V_R = 0 V, f = 1 MHz$	0,	30		pF
Reverse recovery time *	t <sub>rr</sub>	$I_F = I_R = 100 \text{ mA}$		3.0		ns
		$I_{rr} = 0.1 I_{R}, R_{L} = 100 \Omega$				

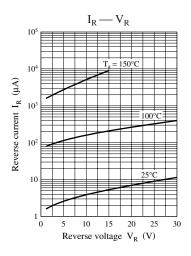
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
  - This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
  - 3. Absolute frequency of input and output is 1 GHz.
  - 4. \*: t<sub>rr</sub> measurement circuit

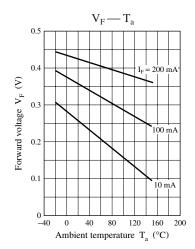


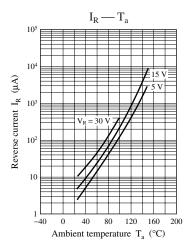
Note) The part number in the parenthesis shows conventional part number.

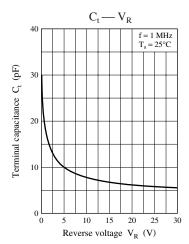
## **Panasonic**











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