Unit: mm

# MA2J729 (MA729)

#### Silicon epitaxial planar type

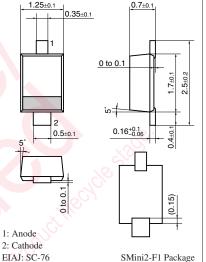
For super high speed switching For small current rectification

#### Features

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

Absolute Maximum Hatings $T_a = 25$ C						
Symbol	Rating	Unit				
V <sub>R</sub>	30	V				
V <sub>RRM</sub>	30	V				
I <sub>FM</sub>	300	mA				
I <sub>F(AV)</sub>	200	mA				
I <sub>FSM</sub>	1	A				
Tj	150	°C				
T <sub>stg</sub>	-55 to +150	°C				
	Symbol V <sub>R</sub> V <sub>RRM</sub> I <sub>FM</sub> I <sub>F(AV)</sub> I <sub>FSM</sub> T <sub>j</sub>	$\begin{tabular}{ c c c c c } \hline Symbol & Rating \\ \hline V_R & 30 \\ \hline V_{RRM} & 30 \\ \hline I_{FM} & 300 \\ \hline I_{F(AV)} & 200 \\ \hline I_{FSM} & 1 \\ \hline T_j & 150 \\ \hline \end{tabular}$				

### 2 0.5+0.1 Absolute Maximum Batings T<sub>a</sub> = 25°C c



#### Marking Symbol: 2B

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

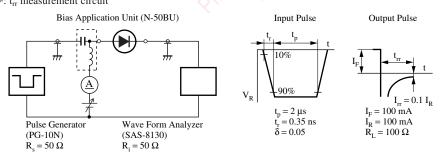
#### Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V <sub>F</sub>	$I_{\rm F} = 200  {\rm mA}$	52 _ <	5	0.55	V
Reverse current	IR	$V_R = 30 V$	S.		50	μΑ
Terminal capacitance	C <sub>t</sub>	$V_R = 0 V, f = 1 MHz$	$\mathcal{O}^{X}$	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.

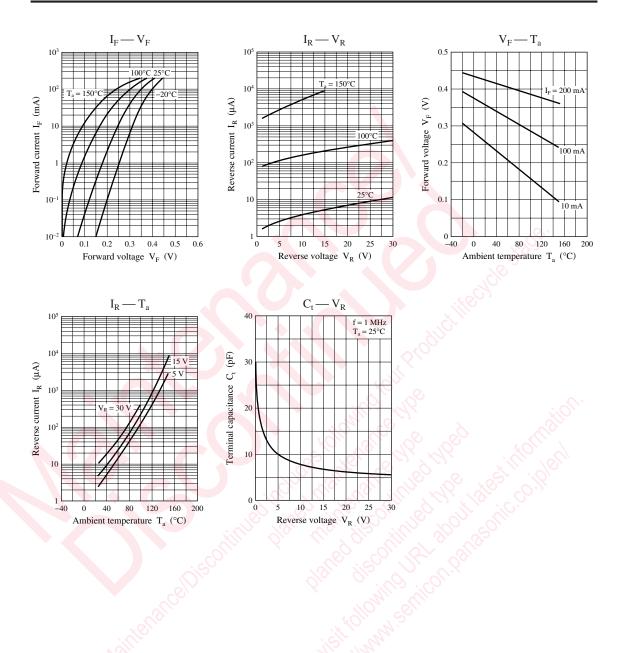
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

3. Absolute frequency of input and output is 1 GHz. 4. \*: trr measurement circuit



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

### Panasonic



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