# MA2SD320G

#### Silicon epitaxial planar type

For super high speed switching

#### Features

- $I_{F(AV)} = 200$  mA rectification is possible.
- Small reverse current:  $I_R < 5 \ \mu A$  (at  $V_R = 30 \ V$ )

Absolute	Maximum	Ratings	$T_a = 25^{\circ}C$
710001010	maximum	rialingo	$1_{a} - 25 $ C

Parameter	Symbol	Rating	Unit
Reverse voltage	V <sub>R</sub>	30	V
Repetitive peak reverse voltage	V <sub>RRM</sub>	30	V
Forward current (Average)	$I_{F\left(AV\right)}$	200	mA
Peak forward current	$I_{FM}$	300	mA
Non-repetitive peak forward surge current *	I <sub>FSM</sub>	1	А
Junction temperature	Tj	125	°C
Storage temperature	T <sub>stg</sub>	-55 to +125	°C

- Package
- Code SSMini2-F4
- Pin Name 1: Anode
- 2: Cathode
- Marking Symbol: 8H

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

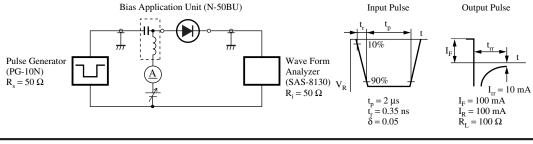
#### Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V <sub>F</sub>	$I_F = 200 \text{ mA}$		0.49	0.56	V
Reverse current	I <sub>R1</sub>	$V_R = 10 V$			0.5	μΑ
	I <sub>R2</sub>	$V_R = 30 V$			5	
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		25		pF
Reverse recovery time *	t <sub>rr</sub>	$I_F = I_R = 100 \text{ mA}$		2		ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

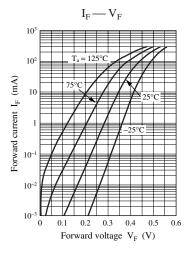
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

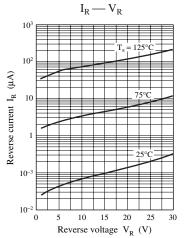
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

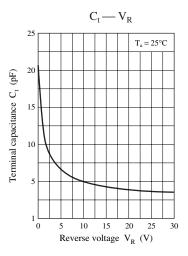
- 3. Absolute frequency of input and output is 250 MHz
- 4. \*: t<sub>rr</sub> measurement circuit

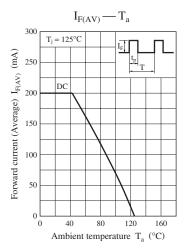


### Panasonic







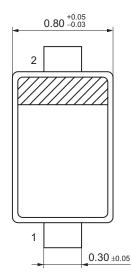


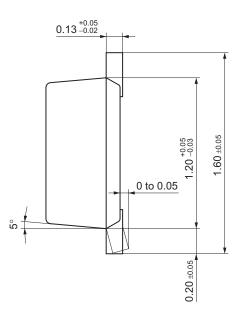
### Panasonic

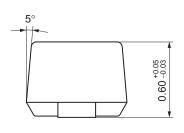
MA2SD320G

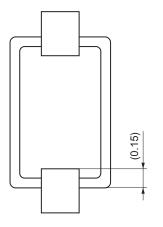
#### SSMini2-F4

Unit: mm









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