MA2J112 (MA112)

Silicon epitaxial planar type

For switching circuits

■ Features

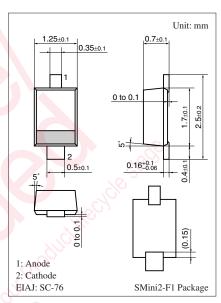
- Allowing high-density mounting
- Ensuring the forward current (Average) capacity $I_{F(AV)} = 200 \text{ mA}$

■ Absolute Maximum Ratings T_a = 25°C

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	40	V
Maximum peak reverse voltage	V_{RM}	40	V
Forward current (Average) *1	I _{F(AV)}	200	mA
Peak forward current	I_{FM}	600	mA
Non-repetitive peak forward surge current *2	I_{FSM}	1	A
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C,

Note) *1: With a printed-circuit board

*2: t = 1 s

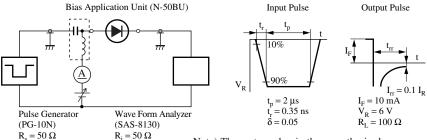


Marking Symbol: 1C

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

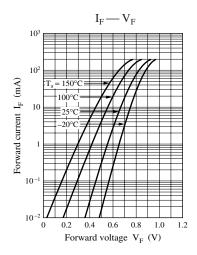
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 200 \text{ mA}$		0.	1.1	V
Reverse current	I_{R1}	V _R = 15 V	160		50	nA
	I_{R2}	V _R = 35 V			500	
	I_{R3}	$V_R = 35 \text{ V}, T_a = 100^{\circ}\text{C}$			100	μΑ
Terminal capacitance	C_{t}	$V_R = 0 V, f = 1 MHz$			4	pF
Reverse recovery time *	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}$			10	ns
		$I_{rr} = 0.1 I_R, R_L = 100 \Omega$				

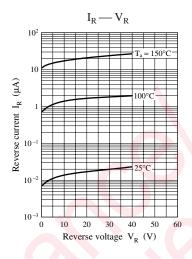
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. Absolute frequency of input and output is 100 MHz.
 - 3. *: t_{rr} measurement circuit

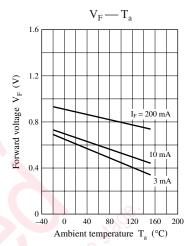


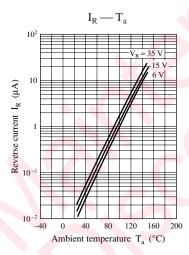
Note) The part number in the parenthesis shows conventional part number.

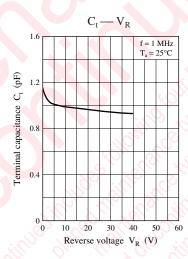
Panasonic

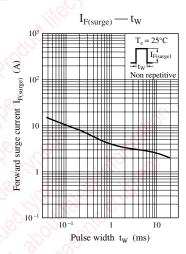












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