MA2J111 (MA111)

Silicon epitaxial planar type

For switching circuits

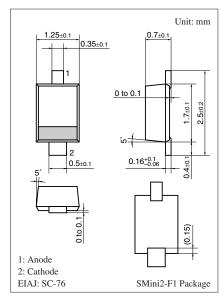
■ Features

- Allowing high-density mounting
- Short reverse recovery time t_{rr}
- ullet Small terminal capacitance C_t
- High breakdown voltage: $V_R = 80 \text{ V}$

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	80	V
Maximum peak reverse voltage	V_{RM}	80	V
Forward current	I_{F}	100	mA
Peak forward current	I_{FM}	225	mA
Non-repetitive peak forward surge current *	I_{FSM}	500	mA
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Note) *: t = 1 s

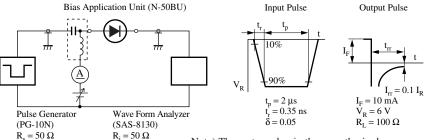


Marking Symbol: 1B

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

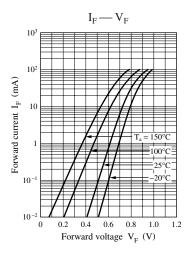
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 100 \text{ mA}$		0.95	1.20	V
Reverse voltage	V_R	$I_R = 100 \mu A$	80			V
Reverse current	I_R	$V_R = 75 \text{ V}$			100	nA
Terminal capacitance	C_{t}	$V_R = 0 V, f = 1 MHz$		0.6	1.2	pF
Reverse recovery time *	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}$			3	ns
		$I_{rr} = 0.1 I_R, R_L = 100 \Omega$				

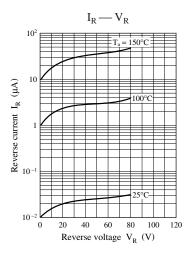
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. Absolute frequency of input and output is 100 MHz.
 - 3. *: t_{rr} measurement circuit

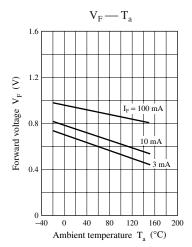


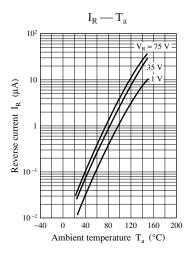
Note) The part number in the parenthesis shows conventional part number.

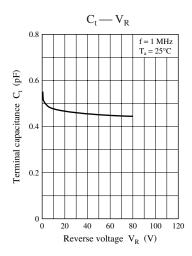
Panasonic

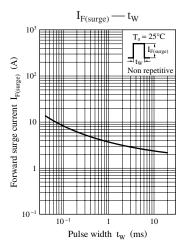












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