MA2J112 (MA112)

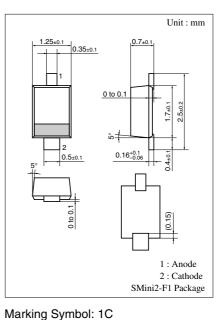
Silicon epitaxial planar type

For switching circuits

Features

- Small S-mini type package, allowing high-density mounting
- Ensuring the average forward current capacity $I_{F(AV)} = 200 \text{ mA}$

Absolute Maximum Ratings $T_a = 25^{\circ}C$						
Parameter	Symbol	Rating	Unit			
Reverse voltage (DC)	V _R	40	V			
Peak reverse voltage	V _{RM}	40	V			
Average forward current*1	I _{F(AV)}	200	mA			
Peak forward current	I _{FM}	600	mA			
Non-repetitive peak forward surge current ^{*2}	I _{FSM}	1	А			
Junction temperature	Tj	150	°C			
Storage temperature	T _{stg}	-55 to +150	°C			



■ Absolute Maximum Ratings T = 25°C

Note) *1: With a printed-circuit board

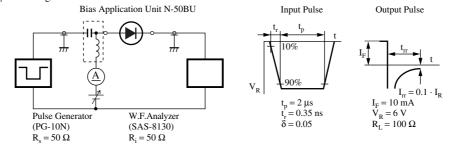
*2: t = 1 s

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

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

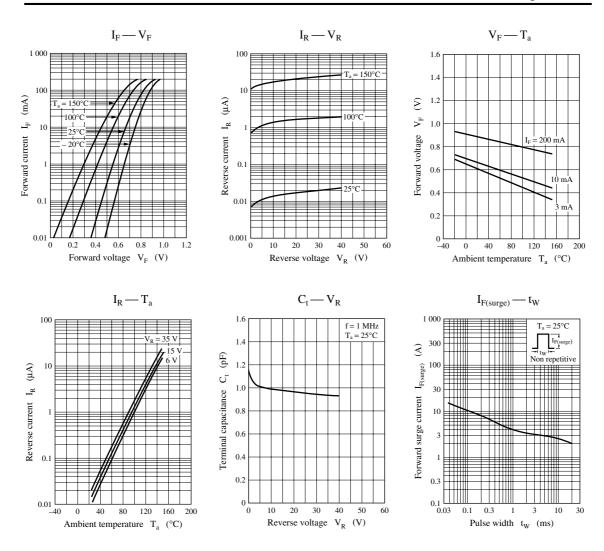
Note) 1. Rated input/output frequency: 100 MHz

2. * : t_{rr} measuring circuit



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

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