imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Ilmit

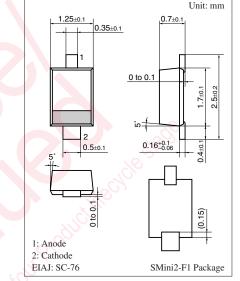
MA2J112 (MA112)

Silicon epitaxial planar type

For switching circuits

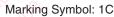
Features

- 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	А
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C



Note) *1: With a printed-circuit board

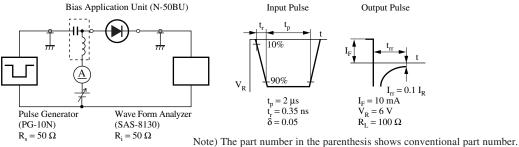
*2: t = 1 s

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

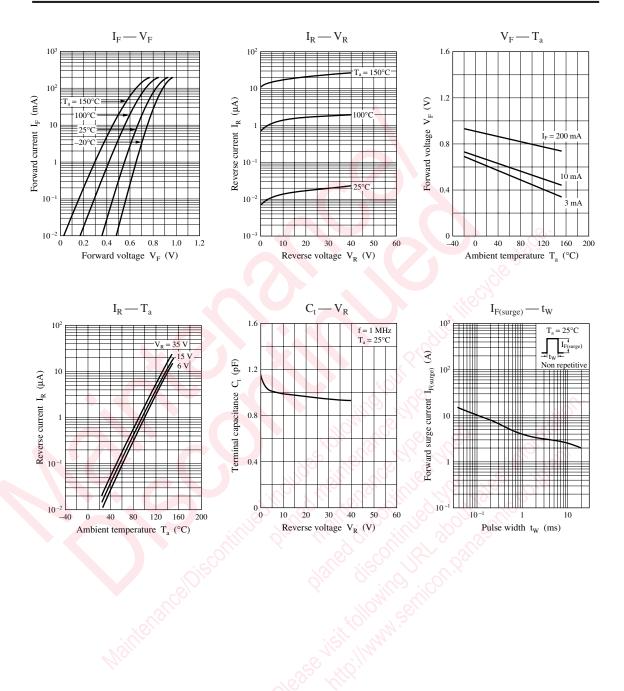
Parameter	Symbol	Conditions	Min	Тур	Мах	Unit
Forward voltage	V _F	$I_F = 200 \text{ mA}$, al	0-	1.1	V
Reverse current	I _{R1}	V _R = 15 V	20		50	nA
	I _{R2}	$V_R = 35 V$			500	
	I _{R3}	$V_R = 35 V, T_a = 100^{\circ}C$			100	μΑ
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$			4	pF
Reverse recovery time *	t _{rr}	$I_{\rm F} = 10 \text{ mA}, V_{\rm R} = 6 \text{ V}$			10	ns
		$I_{rr} = 0.1 I_R, R_L = 100 \Omega$				

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



Panasonic



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