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



MA3J7440G

Silicon epitaxial planar type

For super high speed switching For small current rectification

Features

- High-density mounting is possible
- Forward current (Average) $I_{F(AV)} = 200 \text{ mA rectification is possible}$
- Absolute Maximum Ratings $T_a = 25^{\circ}C$ Parameter Symbol Rating Unit Reverse voltage VR 30 V V Repetitive peak reverse voltage 30 V_{RRM} Forward current (Average) 200 I_{F(AV)} mA Peak forward current 300 $I_{\rm FM}$ mA Non-repetitive peak forward 1 А IFSM surge current * Junction temperature Ti 150 °C Storage temperature T_{stg} -55 to +150 °C

Package

- Code
- SMini3-F2
- Pin Name
 - 1: Anode 2: N.C.
 - 3: Cathode

Marking Symbol: M1M

Internal Connection

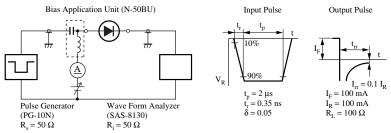
Note) *: t = 1 s

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

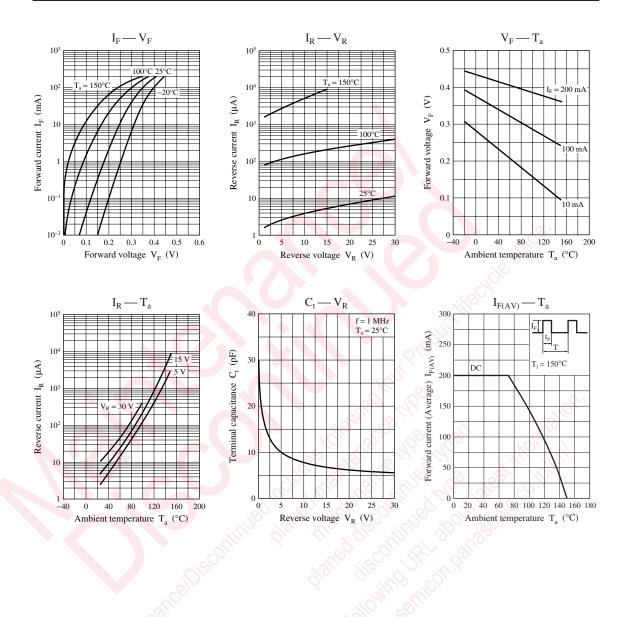
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	I _F = 200 mA	$\sim 2^{\circ}$		0.55	V
Reverse current	I _R	$V_R = 30 V$			50	μΑ
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		30		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		3.0		ns
		$I_{rr} = 0.1 I_R$, $R_L = 100 \Omega$				

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

- 2. 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 2 GHz.
- 4. *: trr measurement circuit

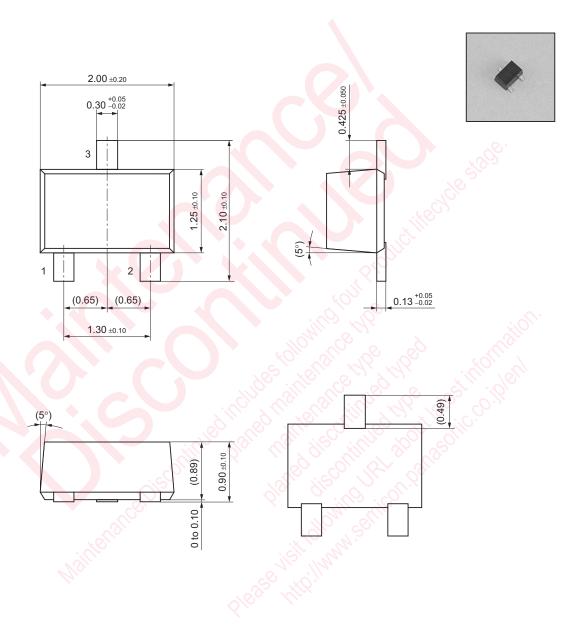


Panasonic



SMini3-F2

Unit: mm



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