# mail

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

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## S2A THRU S2M

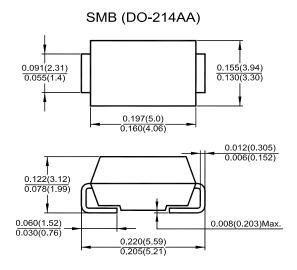
#### **Surface Mount General Rectifiers** Reverse Voltage - 50 to 1000 V Forward Current - 2 A

#### **Features**

- The plastic package carries UL flammability classification 94V-0
- High forward surge current capability
- Low reverse current

#### **Mechanical Data**

- · Case: SMB (DO-214AA) molded plastic body
- · Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- · Polarity: Color band denotes cathode end
- Mounting position: Any



Dimensions in inches and (millimeters)

#### **Maximum Ratings and Characteristics**

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

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Parameter	Symbols	S2A	S2B	S2D	S2G	S2J	S2K	S2M	Units
Maximum Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward Current at T <sub>L</sub> = 110 $^{\circ}$ C	I <sub>F(AV)</sub>	2							А
Peak Forward Surge Current 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I <sub>FSM</sub>	60							А
Maximum Forward Voltage at I <sub>F</sub> = 2 A	V <sub>F</sub>	1.1							V
Maximum DC Reverse Currentat $T_a = 25 \ ^{\circ}C$ at Rated DC Blocking Voltageat $T_a = 100 \ ^{\circ}C$	I <sub>R</sub>	5 50							μA
Typical Junction Capacitance <sup>1)</sup>	CJ	30							pF
Typical Thermal Resistance 2)	$R_{ extsf{ heta}JA}$	50							°C/W
Operating and Storage Temperature Range	T <sub>j</sub> , T <sub>stg</sub>	- 65 to + 175							°C

 $^{1)}$  Measured at 1 MHz and applied reverse voltage of 4 V.

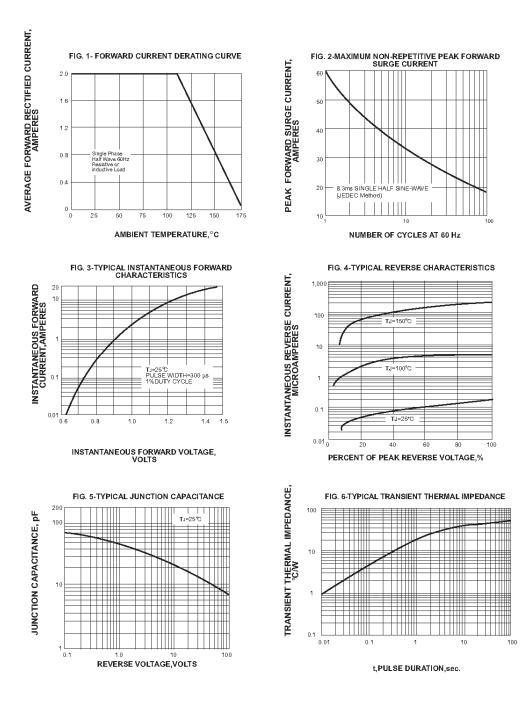
 $^{2)}$  P.C.B mounted with 0.2 X 0.2" (5 X 5 mm) copper pad areas

Subsidiary of Sino-Tech International (BVI) Limited





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