

S2A THRU S2M 2.0A AMPS. Surface Mount Rectifiers Voltage Range

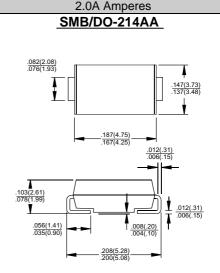
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Features

- ♦ For surface mounted application
- ♦ Glass passivated junction chip.
- ♦ Low forward voltage drop
- ♦ High current capability
- ♦ Easy pick and place
- ♦ High surge current capability
- Plastic material used carries Underwriters Laboratory Classification 94V-O
- High temperature soldering: 250°C / 10 seconds at terminals

Mechanical Data

- ♦ Case: Molded plastic
- Terminals: Solder plated
- ♦ Polarity: Indicated by cathode band
- Packaging: 12mm tape per EIA STD RS-481
- ♦ Weight: 0.093 gram



50 to 1000 Volts Current

Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Rating 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%

i of capacitive load, defate current by 2070							
S2A	S2B	S2D	S2G	S2J	S2K	S2M	Units
50	100	200	400	600	800	1000	V
35	70	140	280	420	560	700	V
50	100	200	400	600	800	1000	V
2.0						А	
50						А	
1.15						V	
5.0 125						uA	
						uA	
2.0						uS	
30						pF	
-55 to +150						°C	
-55 to +150						°C	
	50 35	501003570	50 100 200 35 70 140 50 100 200	50 100 200 400 35 70 140 280 50 100 200 400 50 100 200 400 2.0 50 50 1.15 5.0 125 2.0 30 -55 to +1	50 100 200 400 600 35 70 140 280 420 50 100 200 400 600 2.0 2.0 50 1.15 5.0 125 2.0 30 -55 to +150	50 100 200 400 600 800 35 70 140 280 420 560 50 100 200 400 600 800 2.0 2.0 50 50 1.15 5.0 125 2.0 30 -55 to +150	50 100 200 400 600 800 1000 35 70 140 280 420 560 700 50 100 200 400 600 800 1000 50 100 200 400 600 800 1000 2.0 50 50 1.15 1.15 1.15 1.25 2.0 30 30 30 -55 to +150 50

Notes: 1. Reverse Recovery Test Conditions: $I_F=0.5A$, $I_R=1.0A$, $I_{RR}=0.25A$

2. Measured at 1 MHz and Applied V_R =4.0 Volts



