# DC COMPONENTS CO., LTD.

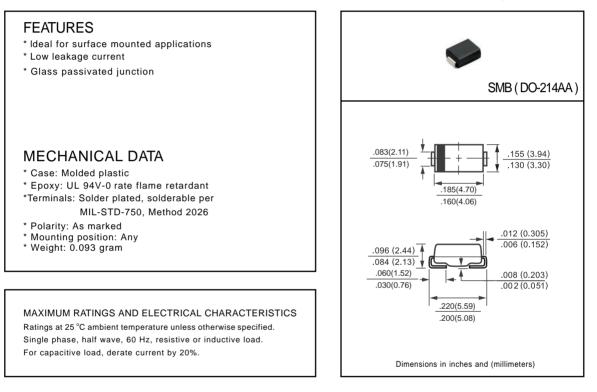
## **RECTIFIER SPECIALISTS**

S2A THRU S2M

## TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SILICON RECTIFIER

### VOLTAGE RANGE - 50 to 1000 Volts

### CURRENT - 2.0 Amperes



		SYMBOL	S2A	S2B	S2D	S2G	S2J	S2K	S2M	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage		Vrms	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage		VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at TA = 75 °C		ю	2.0						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	60						Amps	
Maximum Instantaneous Forward Voltage at 2.0A DC		VF	1.1						Volts	
Maximum DC Reverse Current	@TA = 25°C	In	IB 5.0							
at Rated DC Blocking Voltage	@Ta = 100°C		100							uAmps
Maximum Reverse Recovery Time (Note 3)		trr	2.5						uSec	
Typical Thermaesistance (Note 2)		RθJL	20						°C/W	
Typical Junction Capacitance (Note 1)		CJ	30							pF
Operating and Storage Temperature Range		TJ,TSTG	-65 to + 175							٥C

NOTES : 1. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

2. Thermal Resistance (Junction to Ambient),  $0.2x0.2in^2$  (5X5mm<sup>2</sup>) copper pads to each terminal.

3. Test Conditions: IF=0.5A, IR=1.0A, IRR=0.25A.

