

**Micro Commercial Components** 



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### Features

- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)
- High Current Capability
- Low Forward Voltage Drop.
- For Surface Mount Applications
- High Temp Soldering: 260°C for 10 Seconds At Terminals
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

### Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Typical Thermal Resistance; 20°C/W Junction To Lead

MCC Part	Device	Maximum Recurrent Peak Reverse	Maximum RMS	Maximum DC Blocking
Number	Marking	Voltage	Voltage	Voltage
S2A-L	S2A	50V	35V	50V
S2B-L	S2B	100V	70V	100V
S2D-L	S2D	200V	140V	200V
S2G-L	S2G	400V	280V	400V
S2J-L	S2J	600V	420V	600V
S2K-L	S2K	800V	560V	800V
S2M-L	S2M	1000V	700V	1000V

### Electrical Characteristics @ 25°C Unless Otherwise Specified

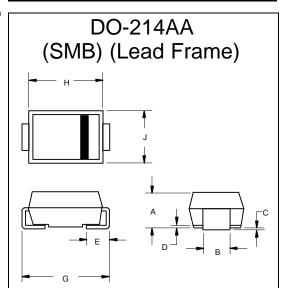
Average Forward current	I <sub>F(AV)</sub>	1.5A	$T_J = 100^{\circ}C$	
Peak Forward Surge Current	I <sub>FSM</sub>	50A	8.3ms, half sine wave	
Maximum Instantaneous Forward Voltage	V <sub>F</sub>	1.15V	$I_{FM} = 1.5A;$ $T_J = 25^{\circ}C^*$	
Maximum DC Reverse Current At Rated DC Blocking Voltage	I <sub>R</sub>	5.0μΑ 125μΑ	T <sub>J</sub> = 25°C T <sub>J</sub> = 125°C	
Typical Junction Capacitance	CJ	20pF	Measured at 1.0MHz, V <sub>R</sub> =4.0V	
Dulas test Dulas width 200 uses. Duty such 20/				

\*Pulse test: Pulse width 300 µsec, Duty cycle 2%

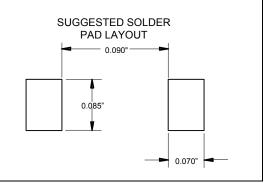
Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

# S2A-L THRU S2M-L

## 1.5 Amp Glass Passivated Silicon Rectifier 50 to 1000 Volts



DIMENSIONS							
	INCHES		MM		NOTE		
DIM	MIN	MAX	MIN	MAX	NOTE		
A	.075	.095	1.91	2.41			
В	.077	.083	1.96	2.10			
С	.002	.008	.05	.20			
D		.02		.51			
E	.030	.060	.76	1.52			
G	.200	.220	5.08	5.59			
Н	.160	.187	4.06	4.75			
J	.130	.155	3.30	3.94			



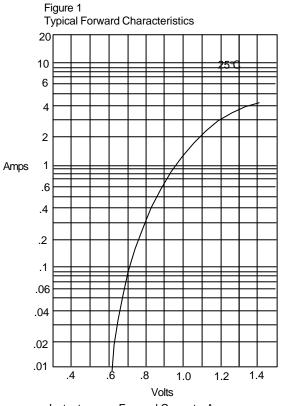
www.mccsemi.com

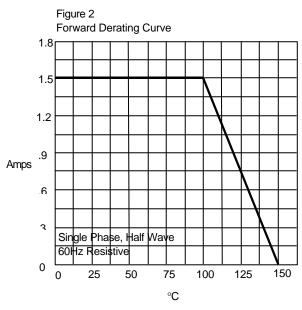
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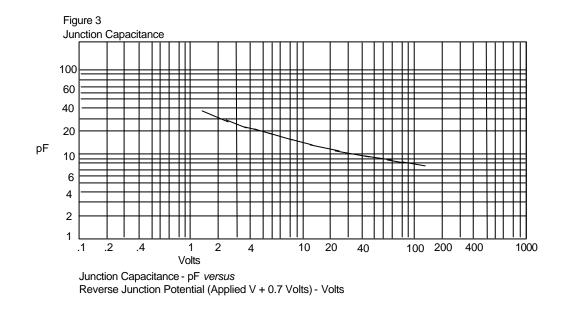
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Average Forward Rectified Current - Amperes versus

Instantaneous Forward Current - Amperes versus Instantaneous Forward Voltage - Volts

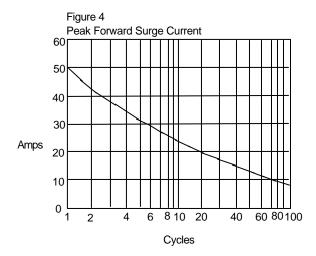


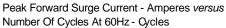
# www.mccsemi.com

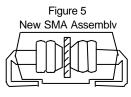




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Round Lead

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### **Ordering Information :**

Device	Packing	
Part Number-TP	Tape&Reel: 3Kpcs/Reel	

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