

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

S2A THRU S2M

Features

- For Surface Mount Applications
- Extremely Low Thermal Resistance
- Easy Pick And Place
- High Temp Soldering: 260°C for 10 Seconds At Terminals
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 16°C/W Junction To Lead

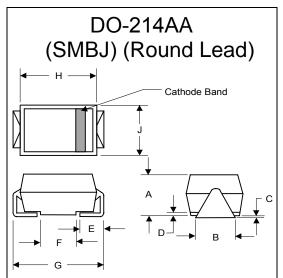
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
S2A	S2A	50V	35V	50V
S2B	S2B	100V	70V	100V
S2D	S2D	200V	140V	200V
S2G	S2G	400V	280V	400V
S2J	S2J	600V	420V	600V
S2K	S2K	800V	560V	800V
S2M	S2M	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

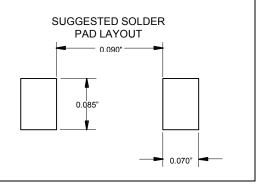
Average Forward current	I _{F(AV)}	2.0A	T _J = 75°C
Peak Forward Surge Current	I _{FSM}	50A	8.3ms, half sine, T, = 150°C
Maximum Instantaneous Forward Voltage	V _F	1.15V	I _{FM} = 2.0A; T _J = 25°C*
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10μΑ 50μΑ	T _J = 25°C T _J = 125°C
Maximum Reverse Recovery Time	Trr	2.0µs	I _F =0.5A, I _R =1.0A, I _{rr} =0.25A
Typical Junction Capacitance	CJ	30pF	Measured at 1.0MHz, V _R =4.0V

'Pulse test: Pulse width 300 μ sec, Duty cycle 2%

2 Amp Silicon Rectifier 50 to 1000 Volts



DIMENSIONS							
	INCHES		ММ				
DIM	MIN	MAX	MIN	MAX	NOTE		
Α	.078	.116	1.98	2.95			
В	.075	.089	1.90	2.25			
С	.002	.008	.05	.20			
D		.02		.51			
E	.035	.055	.90	1.40			
F	.065	.091	1.65	2.32			
G	.205	.224	5.21	5.69			
Н	.160	.180	4.06	4.57			
J	.130	.155	3.30	3.94			



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Revision: 4

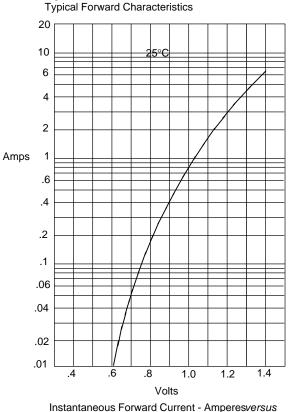
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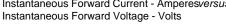
S2A thru S2M

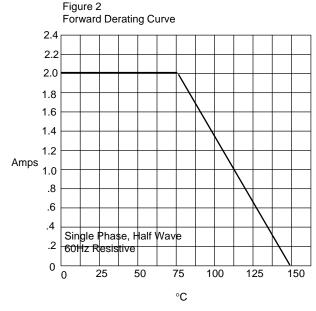
Figure 1



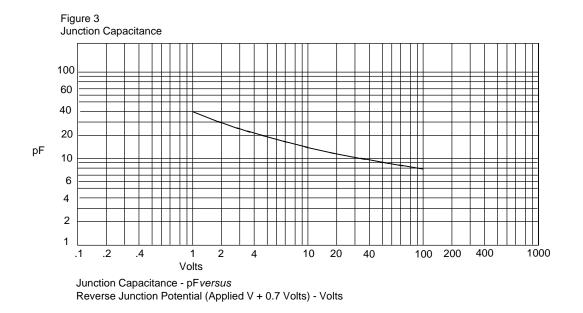
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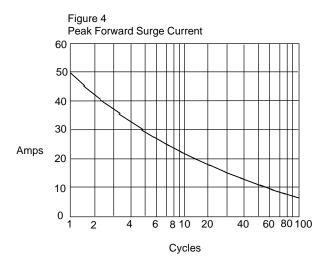


Average Forward Rectified Current - Amperes/ersus Ambient Temperature -°C



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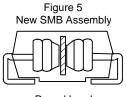
S2A thru S2M



Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles



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Round Lead Process

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