

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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S2A-LT THRU S2M-LT

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
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL rating 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

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

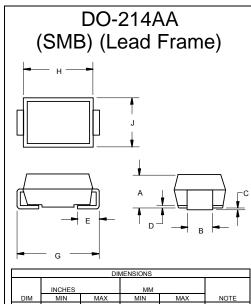
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward current	I _{F(AV)}	1.5A	T _J = 100°C
Peak Forward Surge Current	I _{FSM}	50A	8.3ms, half sine wave
Maximum Instantaneous Forward Voltage	V _F	1.15V	I _{FM} =1.5A; T _J = 25°C*
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5.0μA 125μA	$T_{J} = 25^{\circ}C$ $T_{J} = 125^{\circ}C$
Typical Junction Capacitance	С	20pF	Measured at 1.0MHz, V _R =4.0V

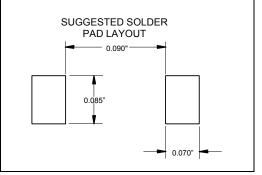
^{*}Pulse test: Pulse width 300 µsec, Duty cycle 2%

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

1.5 Amp Glass Passivated Silicon Rectifier 50 to 1000 Volts



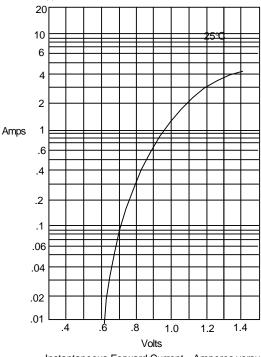
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.075	.095	1.91	2.41	
В	.077	.083	1.96	2.10	
С	.002	.008	.05	.20	
D		.02		.51	
Е	.030	.060	.76	1.52	
G	.200	.220	5.08	5.59	
Н	.160	.187	4.06	4.75	
J	.130	.155	3.30	3.94	



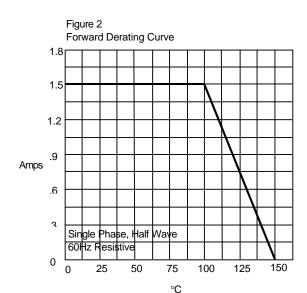
S2A-LT thru S2M-LT



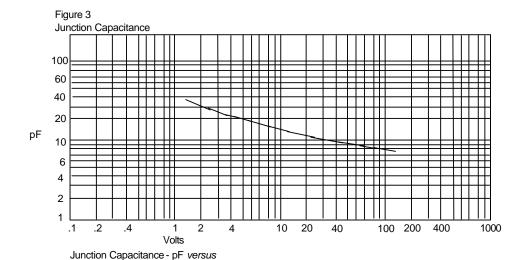
Figure 1 Typical Forward Characteristics



Instantaneous Forward Current - Amperes *versus* Instantaneous Forward Voltage - Volts



Average Forward Rectified Current - Amperes *versus*

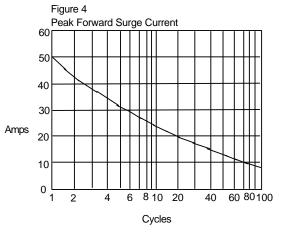


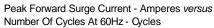
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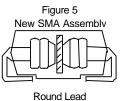
Reverse Junction Potential (Applied V + 0.7 Volts) - Volts

S2A-LT thru S2M-LT











Ordering Information

Device	Packing
(Part Number)P	Tape&Reel3Kpcs/Reel

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