



Micro Commercial Components



Micro Commercial Components
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S2A-L
THRU
S2M-L

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

1.5 Amp
Glass Passivated
Silicon Rectifier
50 to 1000 Volts

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

Table with 5 columns: MCC Part Number, Device Marking, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include S2A-L through S2M-L.

DO-214AA
(SMB) (Lead Frame)

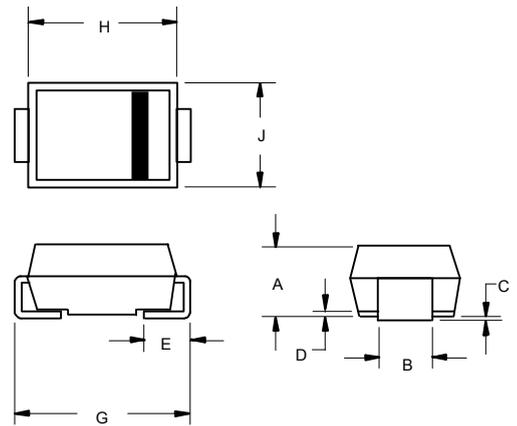
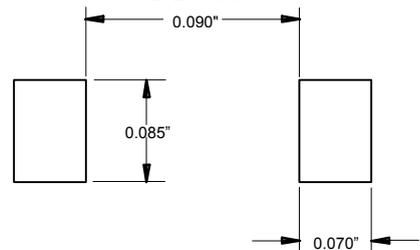


Table titled DIMENSIONS with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows A through J.

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, and Test Conditions. Rows include Average Forward current, Peak Forward Surge Current, Maximum Instantaneous Forward Voltage, Maximum DC Reverse Current At Rated DC Blocking Voltage, and Typical Junction Capacitance.

SUGGESTED SOLDER PAD LAYOUT



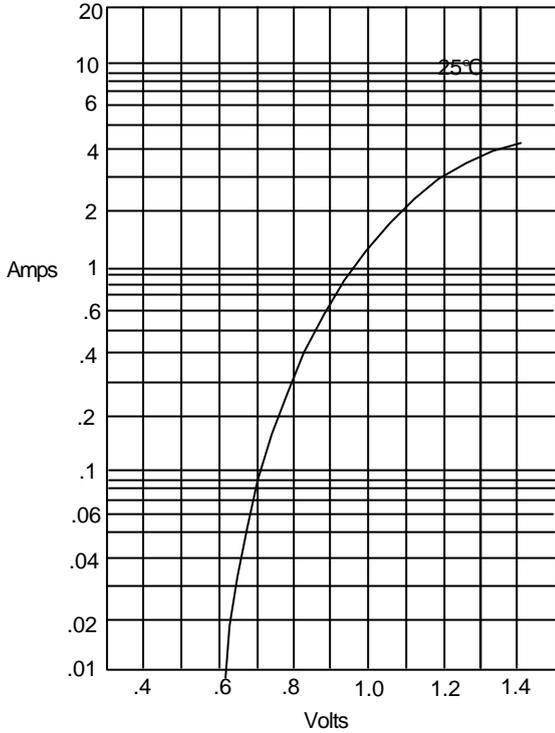
\*Pulse test: Pulse width 300 µsec, Duty cycle 2%
Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

# S2A-L thru S2M-L



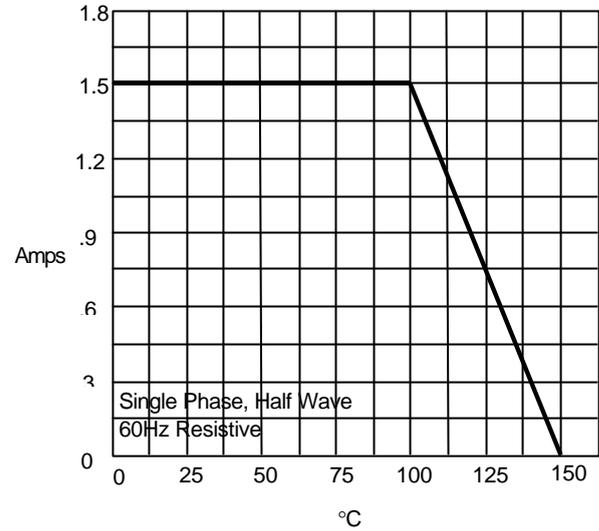
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Figure 1  
Typical Forward Characteristics



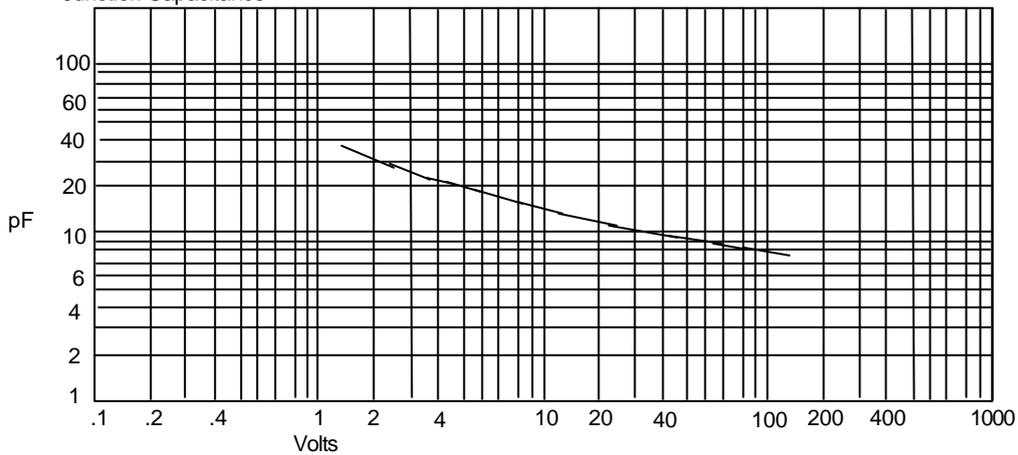
Instantaneous Forward Current - Amperes *versus*  
Instantaneous Forward Voltage - Volts

Figure 2  
Forward Derating Curve



Average Forward Rectified Current - Amperes  
*versus*

Figure 3  
Junction Capacitance

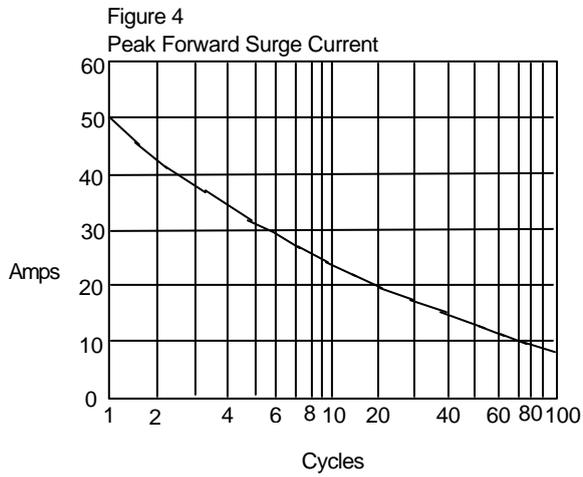


Junction Capacitance - pF *versus*  
Reverse Junction Potential (Applied V + 0.7 Volts) - Volts

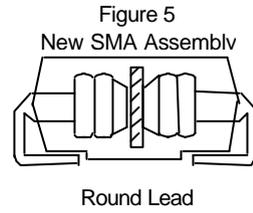
# S2A-L thru S2M-L



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Peak Forward Surge Current - Amperes *versus* Number Of Cycles At 60Hz - Cycles





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### Ordering Information :

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

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MCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of Micro Commercial Components Corporation.

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