

## S2AA thru S2MA

# SURFACE MOUNT GLASS PASSIVATED RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 2.0 Amperes

#### **FEATURES**

- Glass passivated chip
- For surface mounted applications
- Low reverse leakage current
- Low forward voltage drop
- High current capability
- Plastic material has UL flammability classification 94V-0

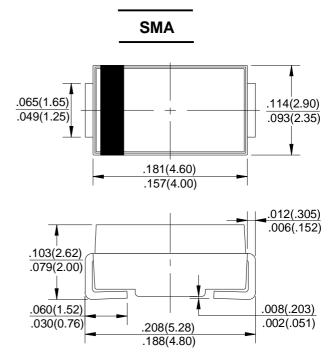
### MECHANICAL DATA

● Case: Molded Plastic

Polarity:Color band denotes cathode

●Weight: 0.002 ounces, 0.053 grams

Mounting position: Any



Dimensions in inches and (millimeters)

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	S2AA	S2BA	S2DA	S2GA	S2JA	S2KA	S2MA	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward  Rectified Current @TL=100 ℃	I(AV)	2.0							Α
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed On Rated Load (JEDEC Method)	IFSM	60							А
Maximum Forward Voltage at 2.0A DC	VF	1.1					V		
Maximum DC Reverse Current @TJ=25℃ at Rated DC Blocking Voltage @TJ=125℃	lR	5.0 125							μΑ
Typical Junction Capacitance (Note1)	Cl	20							pF
Typical Thermal Resistance (Note2)	Rejl	20							°C/W
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	Tstg	-55 to +150							℃

NOTES:1.Measured at 1.0 MHz and applied reverse voltage of 4.0V DC.

 $\hbox{2.Thermal resistance junction to lead.}\\$ 

REV. 1, 30-Dec-2011



