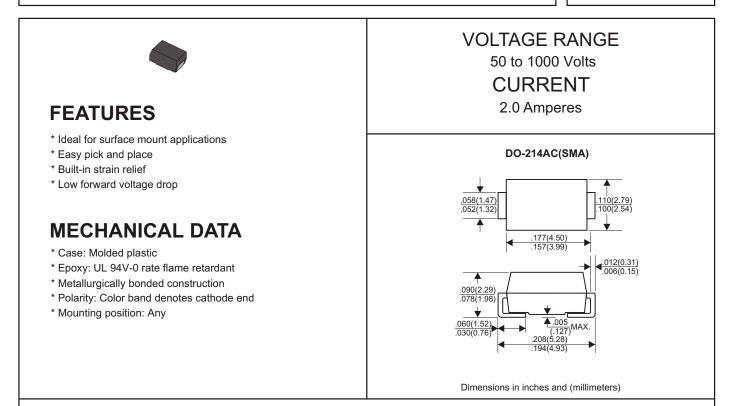
## S2AA THRU S2MA

GW

## 2.0 AMP SURFACE MOUNT SILICON RECTIFIERS



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER	S2AA	S2BA	S2DA	S2GA	S2JA	S2KA	S2MA	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current								
at T∟=100°C		2.0						
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)		60						
Maximum Instantaneous Forward Voltage at 2.0A		1.1						V
Maximum DC Reverse Current Ta=25°C		5.0						μA
at Rated DC Blocking Voltage Ta=125°C		200						
Typical Junction Capacitance (Note1)		30						pF
Typical Thermal Resistance R0JL (Note 2)		20						°C/W
Operating and Storage Temperature Range TJ, Tsto		-65-+150						

NOTES:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance Junction to Lead.

