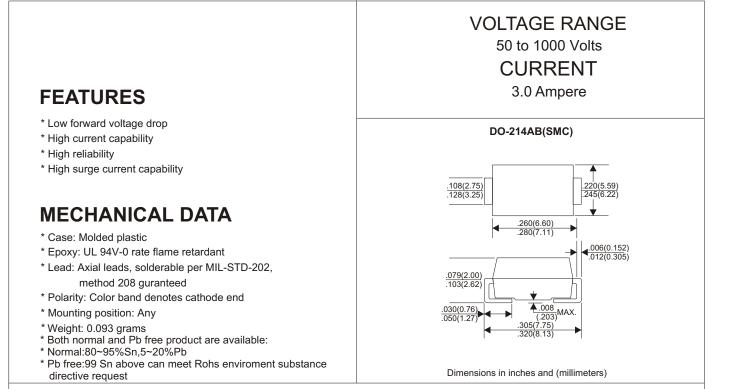
## S3A THRU S3M

## 3.0 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		S3A	S3B	S3D	S3G	S3J	S3K	S3M	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									
					3.0				A
Peak Forward Surge Current, 8.3 ms single half sine-wave									
superimposed on rated load (JEDEC method)			100						
Maximum Instantaneous Forward Voltage at 3.0A			1.0						
Maximum DC Reverse Current	Ta=25°C		5.0						μA
at Rated DC Blocking Voltage	Ta=100°C				50				μA
Typical Junction Capacitance (Note 1)			40						
Typical Thermal Resistance R JA (Note 2)			30						
Operating and Storage Temperature Range Tj, TSTG			-65-+175						

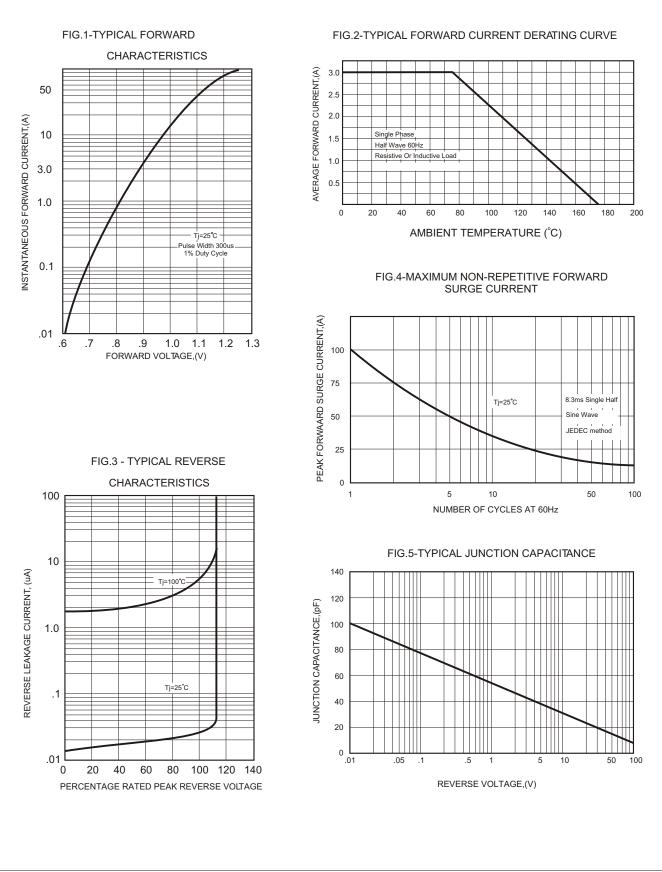
NOTES:

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

2. Thermal Resistance from Junction to Ambient .375" (9.5mm) lead length.

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## RATING AND CHARACTERISTIC CURVES (S3A THRU S3M)



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