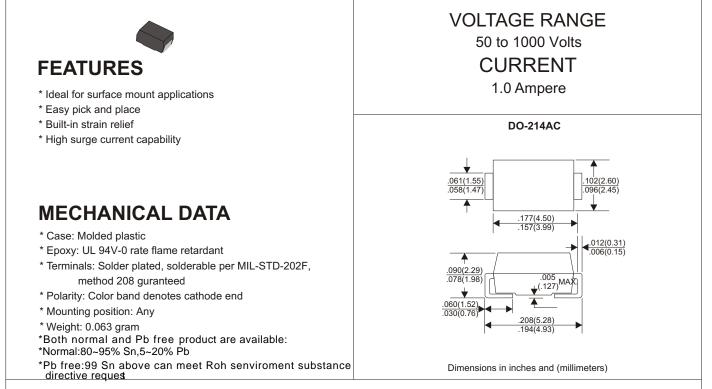
## M1 THRU M7

## **1.0 AMP SURFACE MOUNT SILICON RECTIFIERS**





## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	M1	M2	M3	M4	M5	M6	M7	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								
	1.0							А
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)	30							А
Maximum Instantaneous Forward Voltage at 1.0A	1.1						V	
Maximum DC Reverse Current Ta=25°C	5.0							μΑ
at Rated DC Blocking Voltage Ta=100°C	50							uА
Typical Junction Capacitance (Note 1)	15							pF
Typical Thermal Resistance R JA (Note 2)	50						°C/W	
Operating and Storage Temperature Range Tj, TSTG	-65—+175							°C

NOTES:

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

2. Thermal Resistance from Junction to Ambient.

## RATING AND CHARACTERISTIC CURVES (M1 THRU M7)

