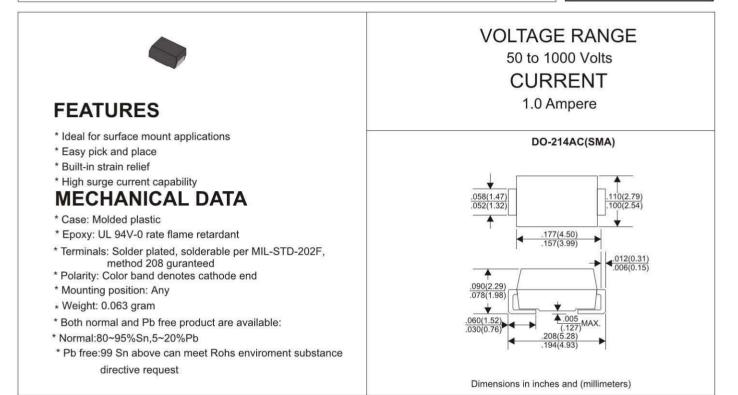
RS1A THRU RS1M

1.0 AMP FAST RECOVERY 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	RS1A	RS1B	RS1D	RS1G	RS1J	RS1K	RS1M	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						J.,		
See Fig.2		1.0						
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)		30						A
aximum Instantaneous Forward Voltage at 1.0A 1.3					V			
Maximum DC Reverse Current Ta=25°C		5.0						
at Rated DC Blocking Voltage Ta=100°C		100						
Maximum Reverse Recovery Time (Note 1)		15	50		250	50	00	nS
Typical Junction Capacitance (Note 2)		15						pF
Operating and Storage Temperature Range Tj, TSTG		-65+150						°C

NOTES:

1. Reverse Recovery Time test condition: IF=0.5A, IR=1.0A, IRR=0.25A

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

