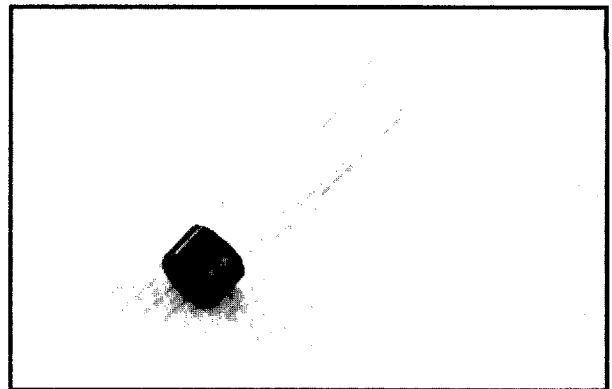
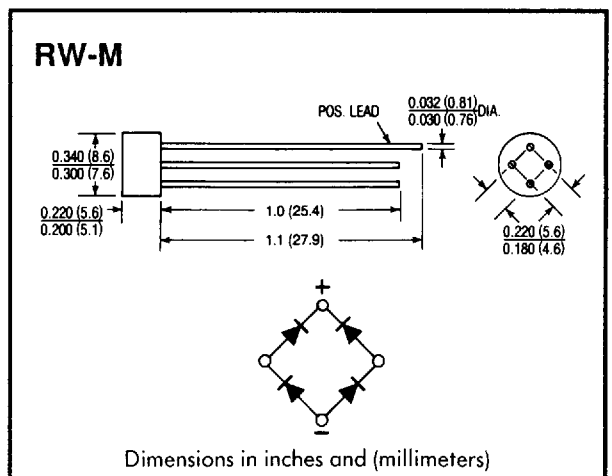


# RW005M Thru RW10M

## 1.5 AMP FAST RECOVERY BRIDGE RECTIFIER



### Outline Drawing



### FEATURES

- Rating to 1000V PRV
- High efficiency
- Surge overload rating to 40 Amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- UL recognized: File #E106441
- UL recognized 94V-O plastic material

### Mechanical Data

- Case: Molded plastic
- Leads: Silver plated copper
- Leads solderable per MIL-STD-202, Method 208
- Weight: 0.05 ounce, 1.4 grams

### Maximum Ratings & Characteristics

- Ratings at 25° C ambient temperature unless otherwise specified
- Single phase, half wave, 60Hz, resistive or inductive load
- For capacitive load, derate current by 20%

		RW005M	RW01M	RW02M	RW04M	RW06M	RW08M	RW10M	Units
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
Maximum Average Forward Output Current @ $T_A = 50^\circ C$	$I_{AV}$	1.5							A
Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave Superimposed On Rated Load	$I_{FSM}$	40							A
Maximum DC Forward Voltage Drop per Element At 1.0A DC	$V_F$	1.3							V
Maximum Reverse Current At Rated DC Blocking Voltage per Element @ $T_A = 25^\circ C$	$I_R$	10							$\mu A$
Maximum Reverse Current At Rated DC Blocking Voltage per Element @ $T_A = 100^\circ C$	$I_R$	1							mA
Maximum Recovery Time (Note 1)	$t_{rr}$	200			300		500		nS
$I^2 t$ Rating for Fusing ( $t < 8.3ms$ )	$I^2 t$	6.6							$A^2 S$
Operating Temperature Range	$T_J$	-55 to +125							$^\circ C$
Storage Temperature Range	$T_{STG}$	-55 to +150							$^\circ C$

Note: 1. Reverse recovery test conditions:  $I_F = .5A$ ,  $I_R = -1.0A$ ,  $I_{RR} = -0.25A$