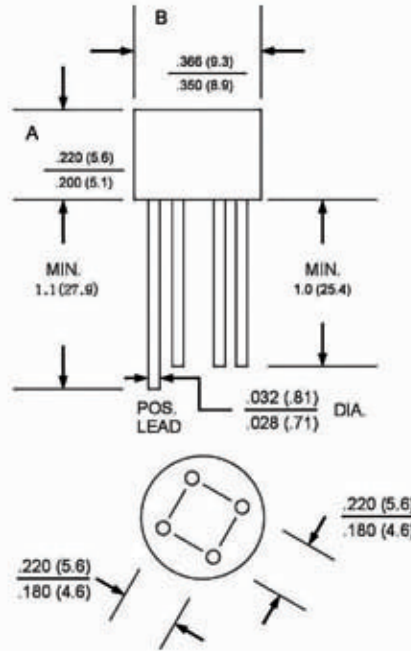


**SILICON BRIDGE RECTIFIERS**

REVERSE VOLTAGE - 50 to 1000 Volts  
 FORWARD CURRENT - 1.5 Amperes

**FEATURES**

- Surge overload rating - 50 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in expensive product
- Mounting Position: Any



**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

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

CHARACTERISTICS	RB151	RB152	RB153	RB154	RB155	RB156	RB157	UNIT
		B40	B80	B125	B250	B380	B500	
	W005M	W01M	W02M	W04M	W06M	W08M	W10M	
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 @TA=25°C	1.5							A
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load	50							A
I <sup>2</sup> t Rating for fusing (t<8.3ms)	5.0							A <sup>2</sup> t
Maximum Forward Voltage Drop per Element at 1.0A Peak	1.0							V
Maximum Reverse Current at rated DC Blocking Voltage per element	10.0 1.0							μA mA
Operating Temperature Range T <sub>J</sub>	-40 to +125							°C
Storage Temperature Range T <sub>A</sub>	-40 to +125							°C