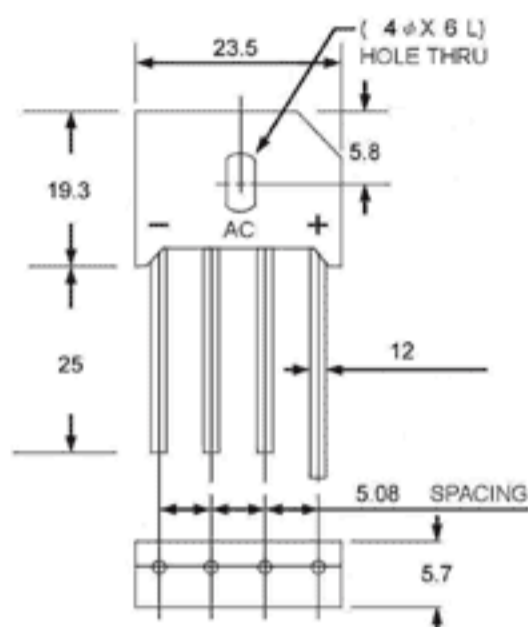


**SILICON BRIDGE RECTIFIERS**

 REVERSE VOLTAGE - 50 to 1000 Volts  
 FORWARD CURRENT - 4A / 6A / 8A Amperes

**FEATURES**

- Surge overload rating - 150~200 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has Underwriters Laboratory Flammability classification 94V-0
- Mounting Position: Any
- Mounting Torque: 5 In. lb. Max.



Dimensions in inches

**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	TBU4A	TBU4B	TBU4D	TBU4G	TBU4J	TBU4K	TBU4M	UNIT
	TBU6A	TBU6B	TBU6D	TBU6G	TBU6J	TBU6K	TBU6M	
	TBU8A	TBU8B	TBU8D	TBU8G	TBU8J	TBU8K	TBU8M	
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input 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 Output Current at $T_C=100^\circ\text{C}$ $T_A=50^\circ\text{C}/40^\circ\text{C}/45^\circ\text{C}$	TBU4	4.0	TBU6	6.0	TBU8	8.0	A	
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)		150		170		200	A	
Maximum Instantaneous Forward Voltage Drop per Element at 4.0A/6.0A/8.0A		1.0		1.0		1.0	V	
Maximum Reverse Leakage at rated DC Blocking Voltage per Element $T_A=25^\circ\text{C}$ $T_C=100^\circ\text{C}$		10		10		10	$\mu\text{A}$	
Operating and Storage Temperature Range $T_J, T_{STG}$	-40 to +125							$^\circ\text{C}$