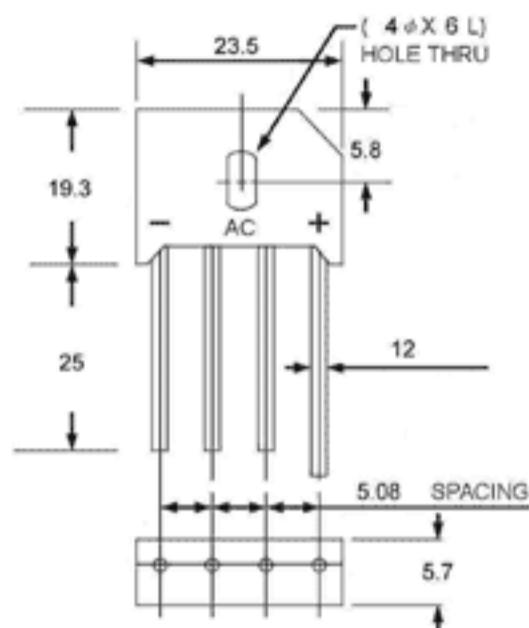


## GLASS PASSIVATED BRIDGE RECTIFIERS

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

### FEATURES

- Surge overload rating - 150~170 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(G)	TBU4B(G)	TBU4D(G)	TBU4G(G)	TBU4J(G)	TBU4K(G)	TBU4M(G)	UNIT
	TBU6A(G)	TBU6B(G)	TBU6D(G)	TBU6G(G)	TBU6J(G)	TBU6K(G)	TBU6M(G)	
	TBU8A(G)	TBU8B(G)	TBU8D(G)	TBU8G(G)	TBU8J(G)	TBU8K(G)	TBU8M(G)	
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 $T_C=100^\circ\text{C}$ $T_A=50^\circ\text{C}/40^\circ\text{C}/45^\circ\text{C}$		4.0 4.0			6.0 6.0		8.0 6.0	A A
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)		150			170		170	A
Maximum Instantaneous Forward Voltage Drop per Element at 2.0/3.0/4.0A		1.1			1.1		1.1	V
Maximum Reverse Leakage at rated DC Blocking Voltage per Element $T_A=25^\circ\text{C}$ $T_C=100^\circ\text{C}$		10 100			10 200		10 300	$\mu\text{A}$ mA
Operating and Storage Temperature Range $T_J, T_{STG}$	-55 to +150							$^\circ\text{C}$