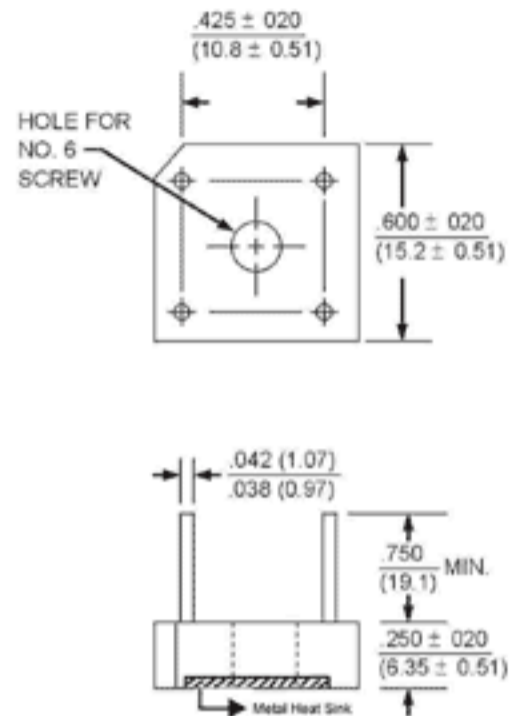


SINGLE-PHASE SILICON BRIDGE
REVERSE VOLTAGE - 50 to 1000 Volts
FORWARD CURRENT - 6.0 Amperes
FEATURES

- Surge overload rating - 150 amperes peak
- Low forward voltage drop
- Small size; simple installation
- Silver Plated Copper Leads
- Mounting Position: Any
- Case: Molded plastic with Heatsink internally mounted in the bridge encapsulation


 Polarity shown on side of case;
 positive lead by beveled corner.

Dimensions in inches and (millimeters)

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	MP6005	MP601	MP602	MP604	MP606	MP608	MP610	UNIT
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 Average Forward Rectified Output Current at $T_C=100^\circ\text{C}$ (Note 1) $T_A=50^\circ\text{C}$ (Note 2)					6.0			A
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load					150			A
Maximum Forward Voltage Drop per Bridge Element at 3.0A Peak					1.0			V
Maximum Reverse Current at Rated DC Blocking Voltage per Element $T_A=25^\circ\text{C}$ $T_A=100^\circ\text{C}$					10.0			μA mA
Operating Temperature Range T_C					-40 to +125			°C
Storage Temperature Range T_A					-40 to +125			°C

 NOTES: 1. Unit mounted on metal chassis
 2. Unit mounted on P.C. board