

GLASS PASSIVATED BRIDGE RECTIFIERS	REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 10.0 Amperes
FEATURES <ul style="list-style-type: none"> ● Surge overload rating -175 amperes peak ● Low forward voltage drop ● Small size; simple installation ● Sliver plated copper leads ● Mounting position: Any 	<p style="text-align: center;">MP8</p> <p style="text-align: center;">METAL HEAT SINK</p> <p style="text-align: center;">.307(7.8) .267(6.8)</p> <p style="text-align: center;">.750 (19.0) MIN</p> <p style="text-align: center;">.052(1.3) .048(1.2) DIA</p> <p style="text-align: center;">.770(19.6) .730(18.5)</p> <p style="text-align: center;">HOLE FOR NO.6 SCREW</p> <p style="text-align: center;">.520(13.2) .480(12.2)</p> <p style="text-align: center;">.770(19.6) .730(18.5)</p> <p style="text-align: center;">.520(13.2) .480(12.2)</p> <p style="text-align: center;">Polarity shown on side of case, Positive lead by beveled corner.</p> <p style="text-align: center;">Dimensions in inches and (millimeters)</p>

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	SYMBOL	MP 10005G	MP 1001G	MP 1002G	MP 1004G	MP 1006G	MP 1008G	MP 1010G	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	v
Maximum RMS Bridge Input Voltage	V _{RMS}	35	70	140	280	420	560	700	v
Maximum Average Forward Rectified Output Current at T _A =50°C	I _(AV)	10.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	175							A
Maximum Forward Voltage Drop Per Bridge Element at 5.0A Peak	V _F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element	I _R	10.0 1.0							μA mA
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

FIG.1-DERATING CURVE
 OUTPUT RECTIFIED CURRENT

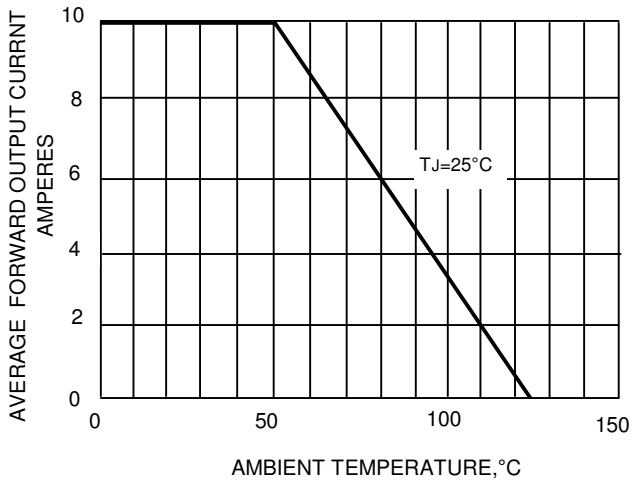


FIG.2-MAXIMUM FORWARD SURGE CURRENT

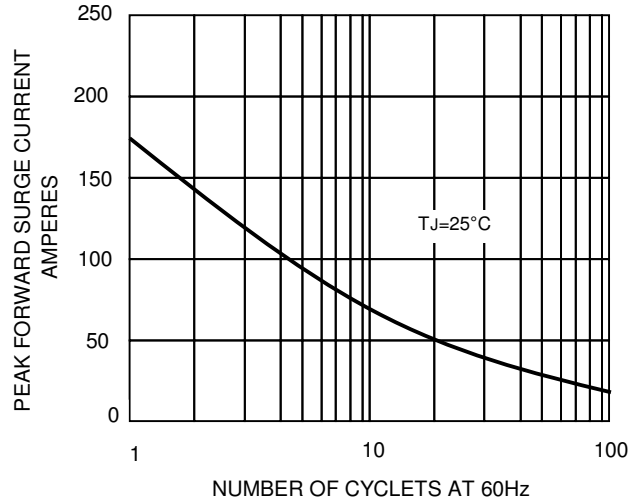


FIG.3-TYPICAL FORWARD CHARACTERISTICS

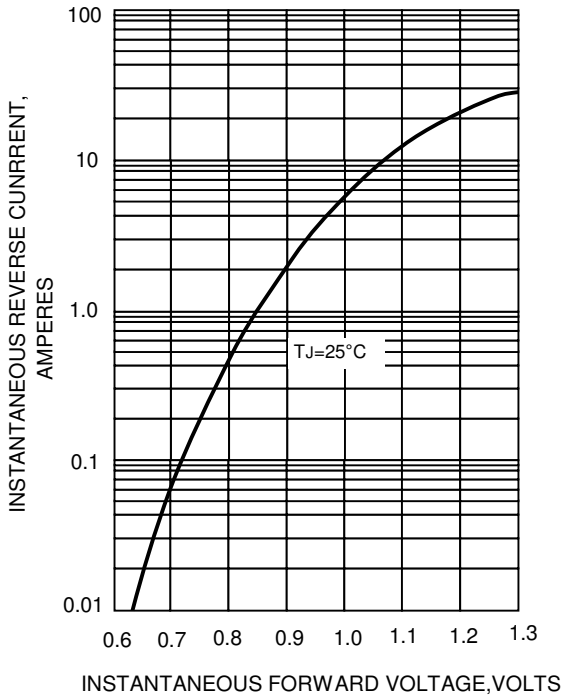


FIG.4-TYPICAL REVERSE CHARACTERISTICS

