

<b>GLASS PASSIVATED BRIDGE RECTIFIERS</b>	<p>REVERSE VOLTAGE - <b>50 to 1000</b>Volts FORWARD CURRENT - <b>10.0</b> Amperes</p>
<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Surge overload rating -200 amperes peak</li> <li>● Low forward voltage drop</li> <li>● Small size; simple installation</li> <li>● Silver plated copper leads</li> <li>● Mounting position: Any</li> </ul>	<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**

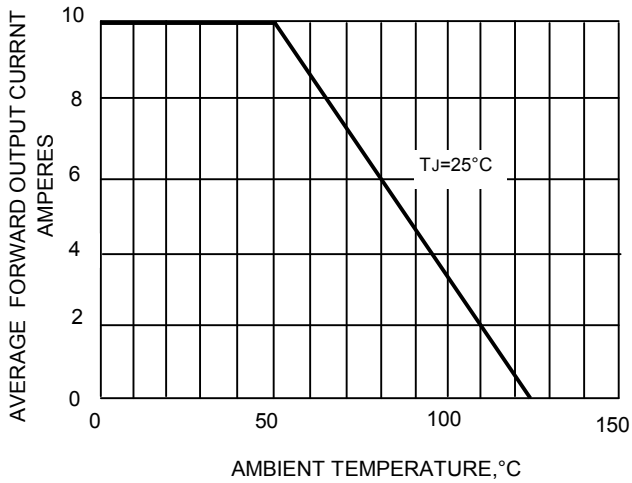
Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

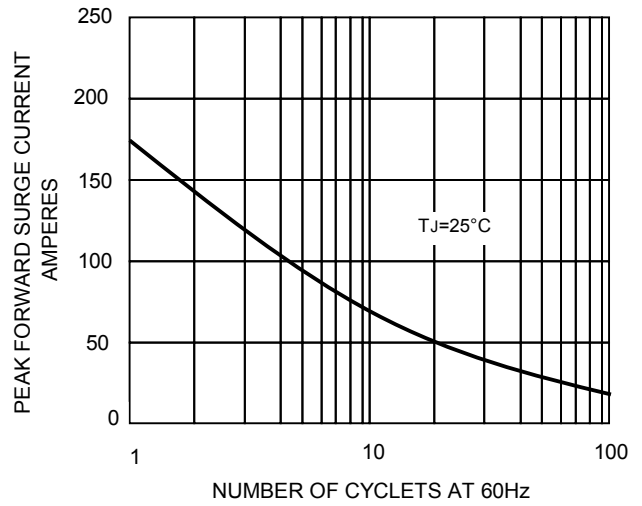
For capacitive load, derate current by 20%

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

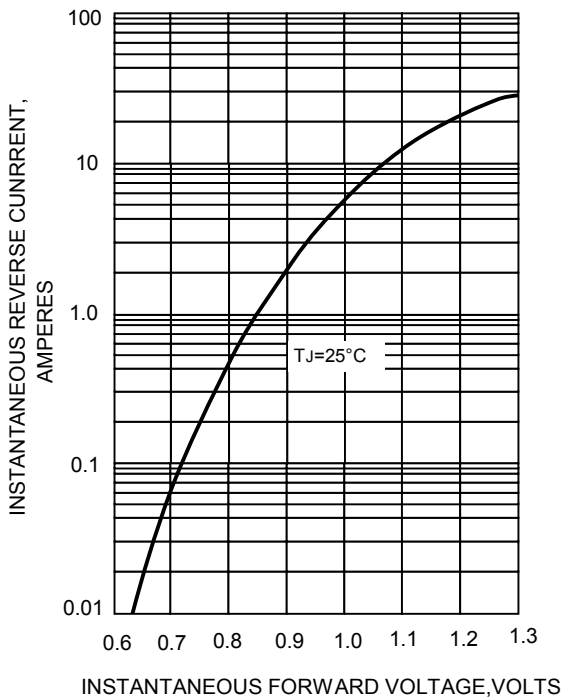
**FIG.1-DERATING CURVE**  
**OUTPUT RECTIFIED CURRENT**



**FIG.2-MAXIMUM FORWARD SURGE CURRENT**



**FIG.3-TYPICAL FORWARD CHARACTERISTICS**



**FIG.4-TYPICAL REVERSE CHARACTERISTICS**

