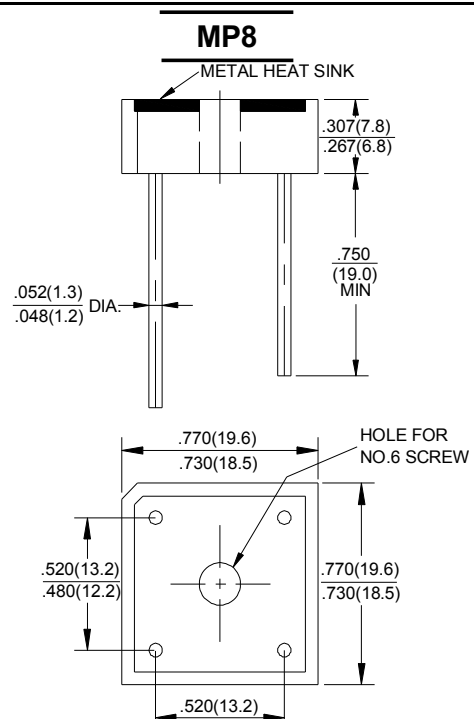


GLASS PASSIVATED BRIDGE RECTIFIERS	<p>REVERSE VOLTAGE - 50 to 1000Volts FORWARD CURRENT - 10.0 Amperes</p>
<p>FEATURES</p> <ul style="list-style-type: none"> ● Surge overload rating -200 amperes peak ● Low forward voltage drop ● Small size; simple installation ● Silver plated copper leads ● Mounting position: Any 	 <p style="text-align: center;">MP8 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. 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	VRRM	50	100	200	400	600	800	1000	v
Maximum RMS Bridge Input Voltage	VRMS	35	70	140	280	420	560	700	v
Maximum Average Forward Rectified Output Current at Tc=50°C TA=100°C (Note1) TA=50°C (Note2)	I(AV)	10.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	200							A
Maximum Forward Voltage Drop Per Bridge Element at 5.0A Peak	VF	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element TA=25°C TA=100°C	IR	10.0							µA
		1.0							mA
Operating Temperature Rang	TJ	-55 to +150							°C
Storage Temperature Rang	TSTG	-55 to +150							°C

Notes:1. Unit mounted on metal chassis

2. Unit mounted on P.C. board

RATING AND CHARACTERISTIC CURVES

MP10G SERIES

FIG.1-DERATING CURVE
OUTPUT RECTIFIED CURRENT

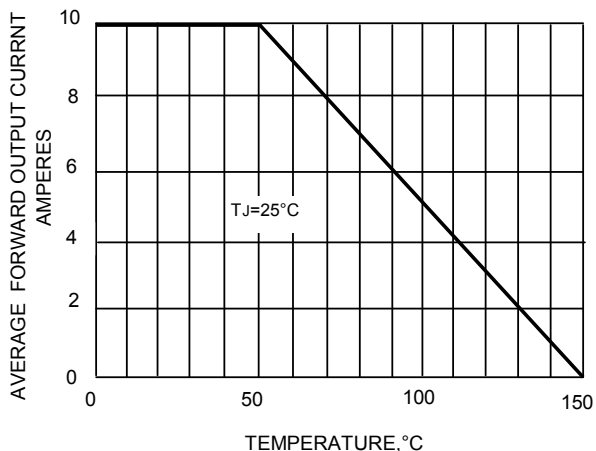


FIG.2-MAXIMUM FORWARD SURGE CURRENT

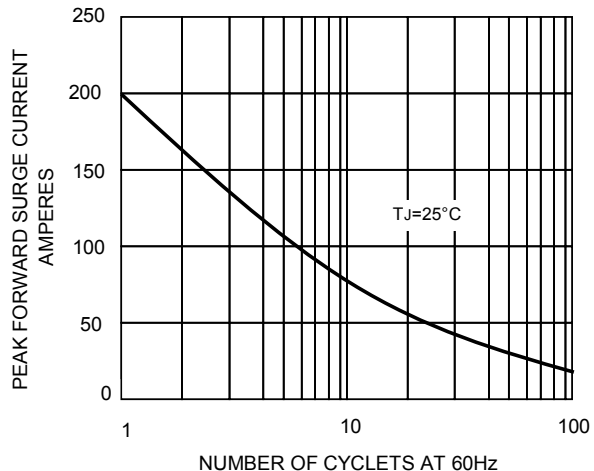


FIG.3-TYPICAL FORWARD
CHARACTERISTICS

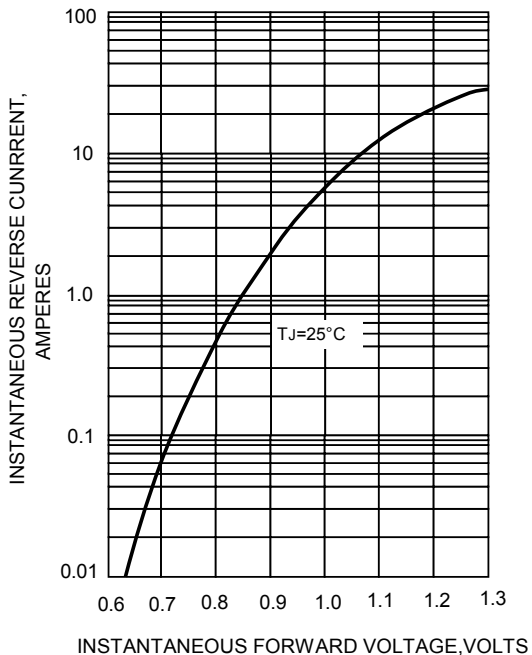


FIG.4-TYPICAL REVERSE
CHARACTERISTICS

