

Glass Passivated Bridge Rectifier



Features

- Surge overload rating -175 amperes peak
- Low forward voltage drop
- Small size; simple installation
- Silver plated copper leads

Mechanical Data

Mounting Position : Any
 Reverse Voltage : 200 to 600 Volts
 Forward Current : 8 Ampere

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	MP802G	MP806G	Unit
Max. Recurrent Peak Reverse Voltage	V_{RRM}	200	600	V
Max. RMS Bridge Input Voltage	V_{RMS}	140	420	V
Max. Average Forward Rectified Output Current at @ $T_A = 50^\circ C$	$I_{(AV)}$	8		A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I_{FSM}	175		A
Max. Forward Voltage Drop Per Bridge Element at 3.0A Peak	V_F	1.1		V
Max. Reverse Current at Rated DC Blocking Voltage Per Element	I_R	10 1		μA mA
Operating Temperature Range	T_J	-55 to +150		$^\circ C$
Storage Temperature Range	T_{STG}			$^\circ C$

Ratings and Characteristic Curves

FIG.1-DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

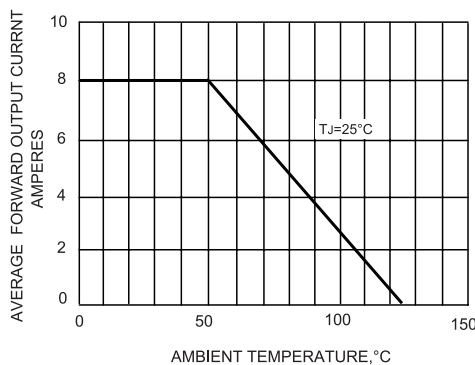
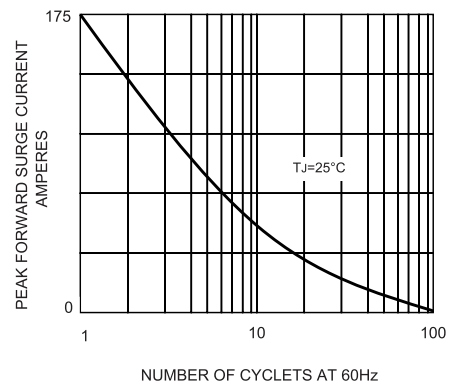


FIG.2-MAXIMUM FORWARD SURGE CURRENT



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FIG.3-TYPICAL FORWARD CHARACTERISTICS

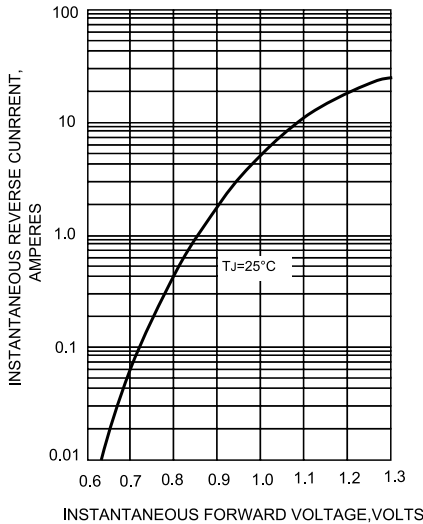
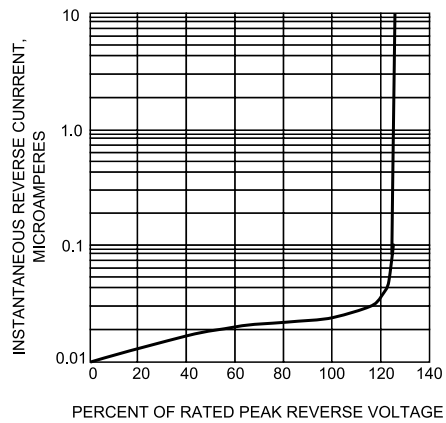
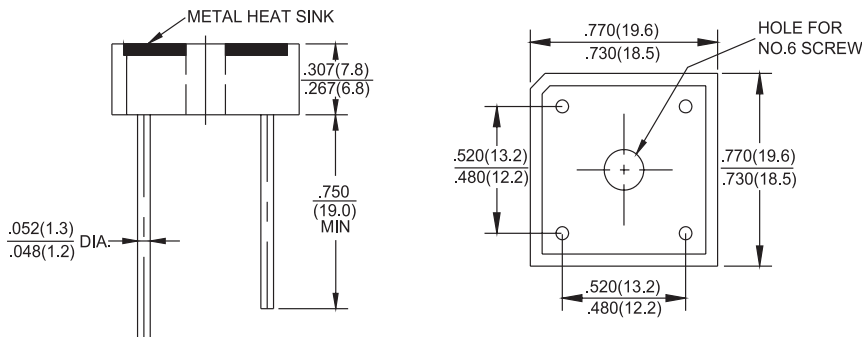


FIG.4-TYPICAL REVERSE CHARACTERISTICS



Dimensions:

MP8



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Glass Passivated Bridge Rectifiers, 8A 600V	MP806G
Glass Passivated Bridge Rectifiers, 8A 200V	MP802G

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