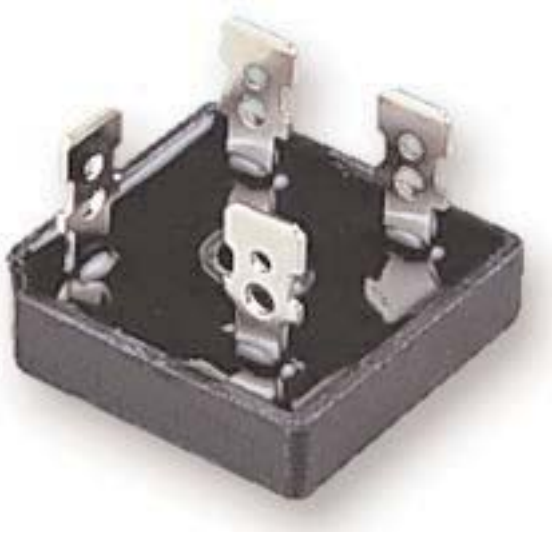


Bridge Rectifier

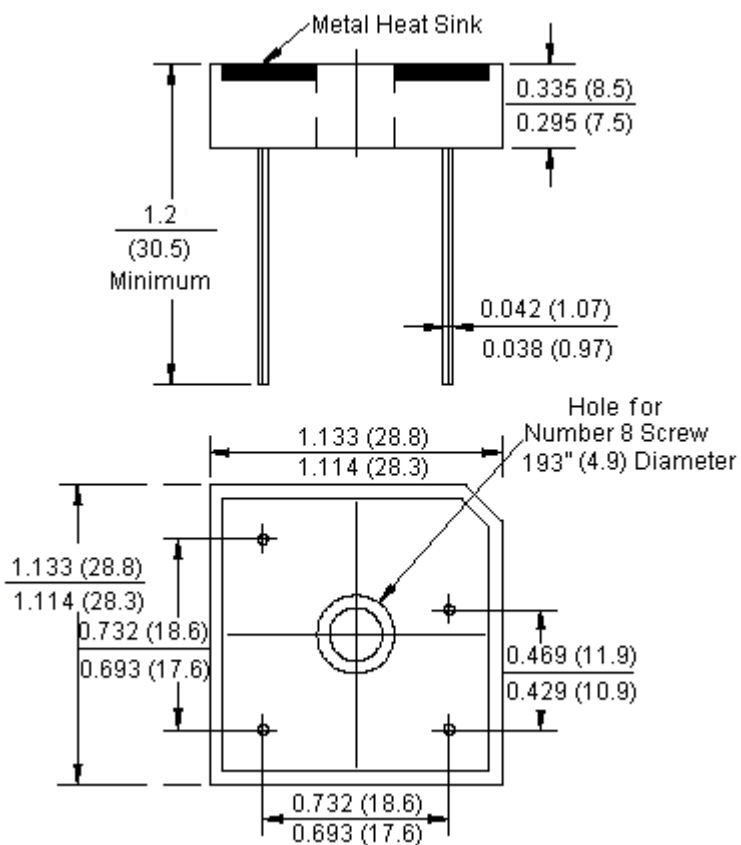


Features:

- Glass Passivated.
- Surge overload 450 amperes peak.
- Low forward voltage drop
- Mounting position : Any.
- Electrically isolated base - 2,000 V.
- Materials used carries U/L recognition.

Reverse Voltage - 1,000 V
Forward Current - 50 Amperes

GBPC



Dimensions : Inches (Millimetres)

Bridge Rectifier

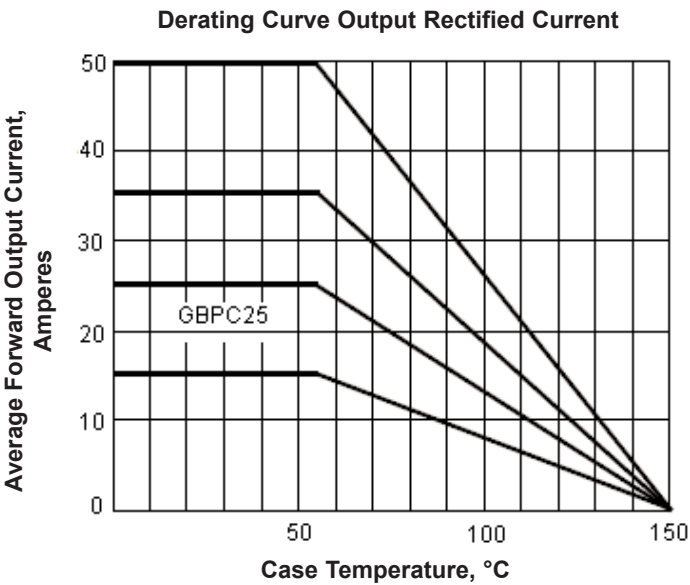
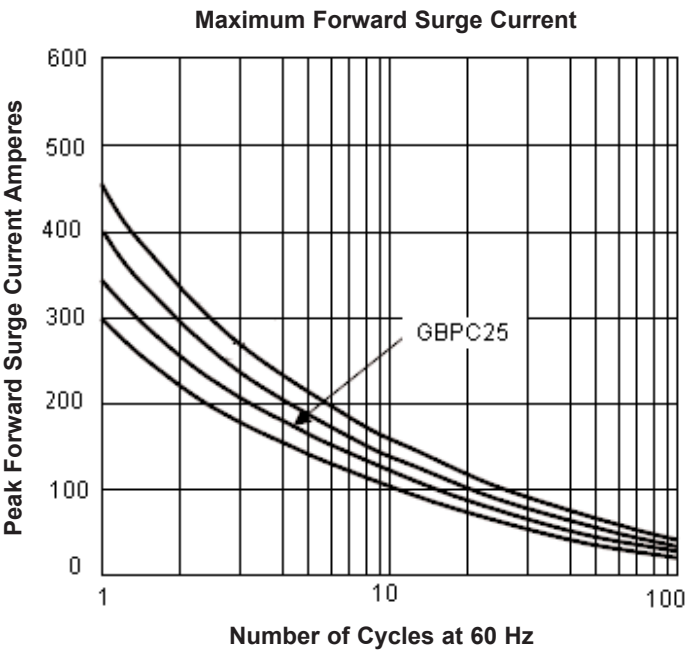


Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

Characteristics	Symbol	GBPC2510	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	1,000	V
Maximum RMS Bridge Input Voltage	V_{RMS}	700	
Maximum DC Blocking Voltage	V_{DC}	1,000	
Maximum Average Forward Rectified Output Current at $T_C = 55^{\circ}C$	$I_{(AV)}$	50	A
Peak Forward Surge Current 8.3 ms Single Half Sine-wave Super Imposed on Rated Load	I_{FSM}	450	
Maximum Forward Voltage Drop Per Element at 7.5 / 12.5 / 17.5 / 25 A Peak	V_F	1.1	V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element at $T_J = 25^{\circ}C$	I_R	10	μA
Operating Temperature Range	T_J	-55 to +150	$^{\circ}C$
Storage Temperature Range	T_{STG}		

Rating and Characteristic Curves

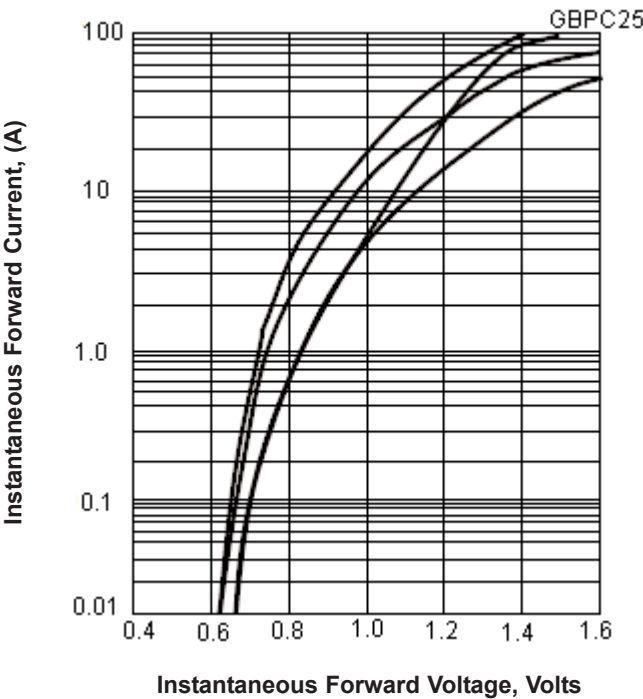


Bridge Rectifier

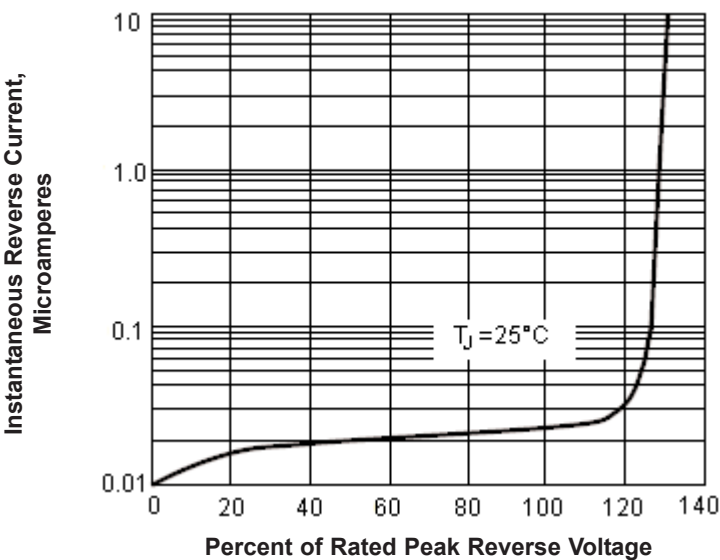


Rating and Characteristic Curves

Typical Forward Characteristics



Typical Reverse Characteristics



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