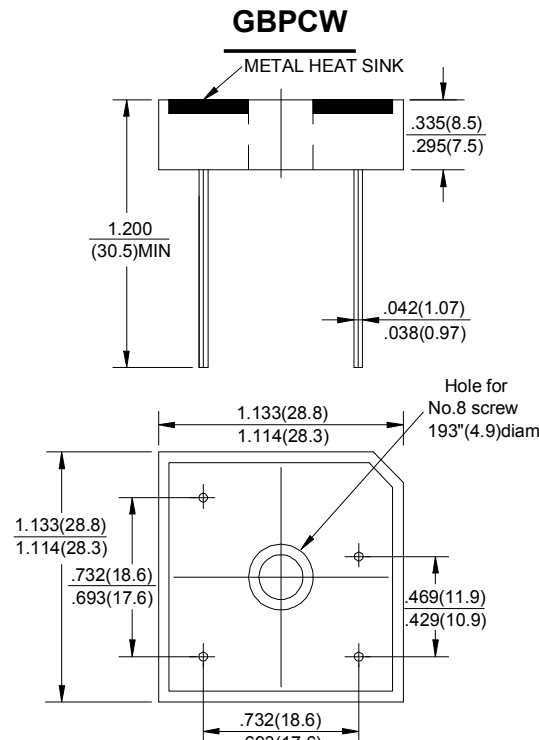


<b>GLASS PASSIVATED BRIDGE RECTIFIERS</b>	<p>REVERSE VOLTAGE - <b>50 to 1000Volts</b>          FORWARD CURRENT - <b>15/25/35/50Amperes</b></p> <div style="text-align: center;"> <p><b>GBPCW</b></p>  <p>Dimensions in inches and (millimeters)</p> </div>
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**MAXIMUM 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	GBPC-W	GBPC-W	GBPC-W	GBPC-W	GBPC-W	GBPC-W	GBPC-W	UNIT
		15005	1501	1502	1504	1506	1508	1510	
		25005	2501	2502	2504	2506	2508	2510	
		35005	3501	3502	3504	3506	3508	3510	
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 @ T <sub>C</sub> =55°C	I <sub>(AV)</sub>	15	25	35	50				A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I <sub>FSM</sub>	300	350	400	450				A
Maximum Forward Voltage Drop Per Element at 7.5/12.5/17.5 /25.0A Peak	V <sub>F</sub>	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ T <sub>A</sub> =25°C	I <sub>R</sub>	10							µA
Operating Temperature Range	T <sub>J</sub>	-55 to +150							°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150							°C

# RATING AND CHARACTERISTIC CURVES

## GBPC15/25/35/50W SERIES

FIG.1-MAXMUN FORWARD SURGE CURRENT

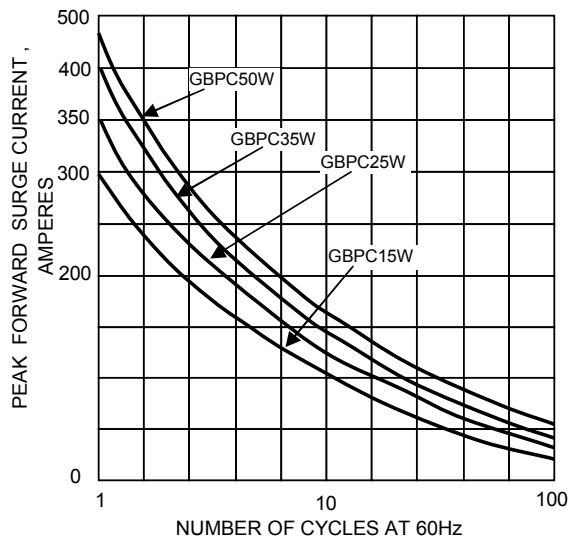


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

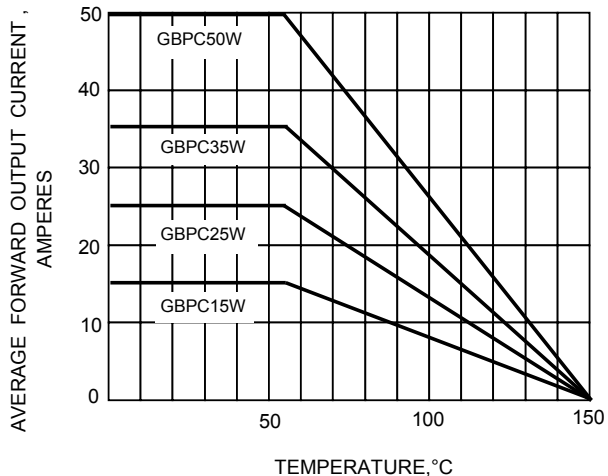


FIG.3-TYPICAL FORWARD CHARACTERISTICS

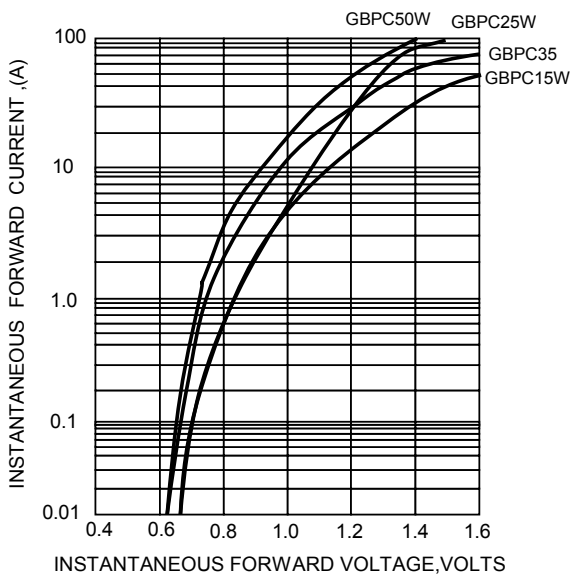


FIG.4-TYPICAL REVERSE CHARACTERISTICS

