

Dimensions in inches and (milimeters)

## GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - **50 to 1000**Volts

FORWARD CURRENT - **15/25/35/50**Amperes

### FEATURES

- Surge overload -300~450 amperes peak
- Low forward voltage drop
- Mounting position :Any
- Electrically isolated base-2000 Vlots
- Solderable 0.25" FASTON terminals
- Materials used carries U/L recognition

### 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 5.0/7.5/12.5/17.5 /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							uA
Operating Temperature Range	T <sub>J</sub>	-55 to +150							°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150							°C

## GLASS PASSIVATED BRIDGE RECTIFIERS RATING AND CHARACTERISTIC CURVES

FIG.1-MAXIMUM FORWARD SURGE CURRENT

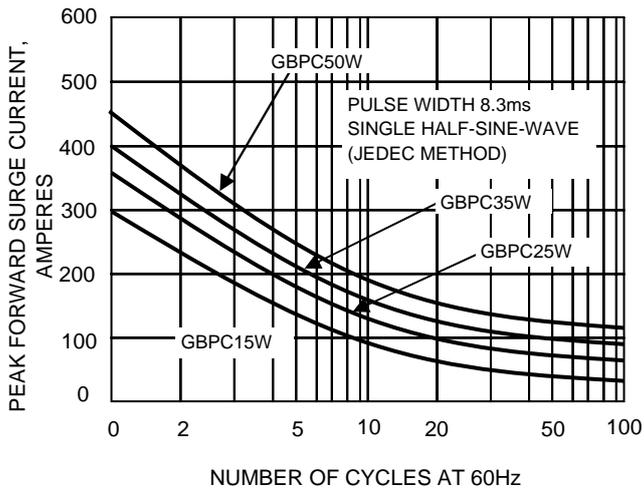


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

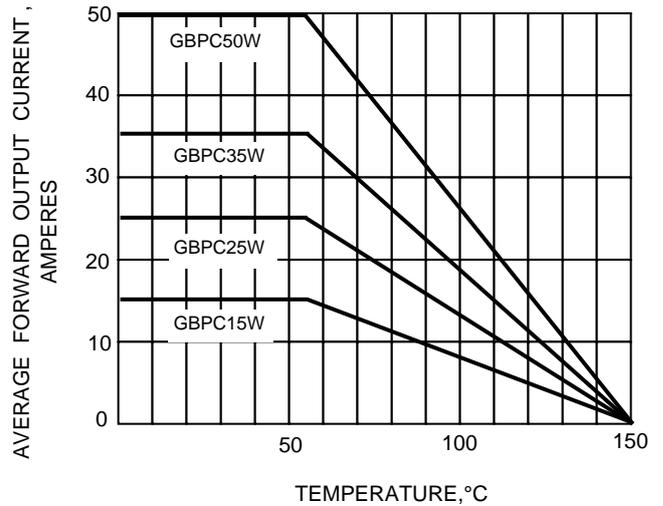


FIG.3-TYPICAL FORWARD CHARACTERISTICS

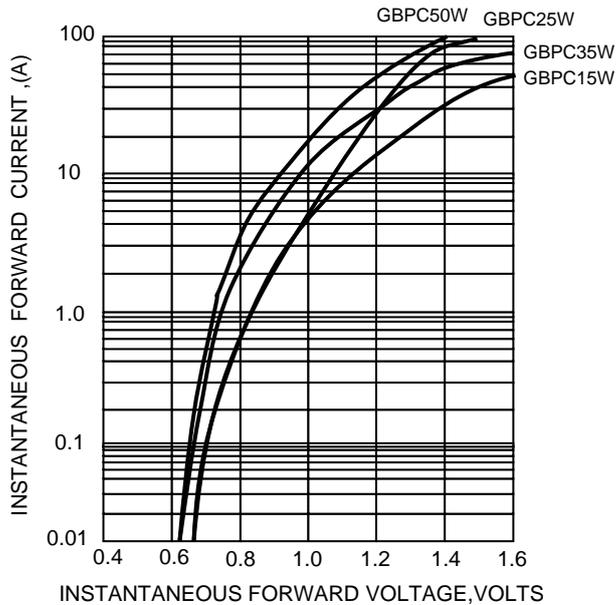


FIG.4-TYPICAL REVERSE CHARACTERISTICS

