

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000Volts

FORWARD CURRENT - 15/25/35/50Amperes

FEATURES

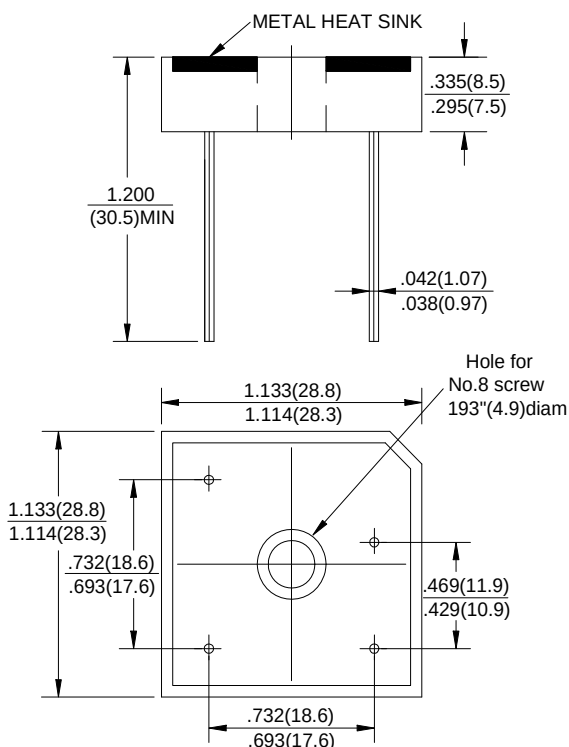
- Surge overload -300~450 amperes peak
- Low forward voltage drop
- Mounting position :Any
- Electrically isolated base-2000 Vlots
- Solderable 0.25" FASTON terminals
- Materials used carries U/L recognition

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%



Dimensions in inches and (milimeters)

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	
		50005		5001	5002	5004	5006	5008	5010	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V	
Maximum RMS Bridge Input Voltage	V _{RMS}	35	70	140	280	420	560	700	V	
Maximum Average Forward Rectified Output Current @ T _C =55℃	I _(AV)	GBPC 15W	15	GBPC 25W	25	GBPC 35W	35	GBPC 50W	50	A
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}		300		350		400		450	A
Maximum Forward Voltage Drop Per Element at 5.0/7.5/12.5/17.5 /25.0A Peak	V _F	1.1								V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ T _A =25℃	I _R	10								uA
Operating Temperature Range	T _J	-55 to +150								℃
Storage Temperature Range	T _{STG}	-55 to +150								℃

GLASS PASSIVATED BRIDGE RECTIFIERS RATING AND CHARACTERISTIC CURVES

FIG.1-MAXIMUM FORWARD SURGE CURRENT

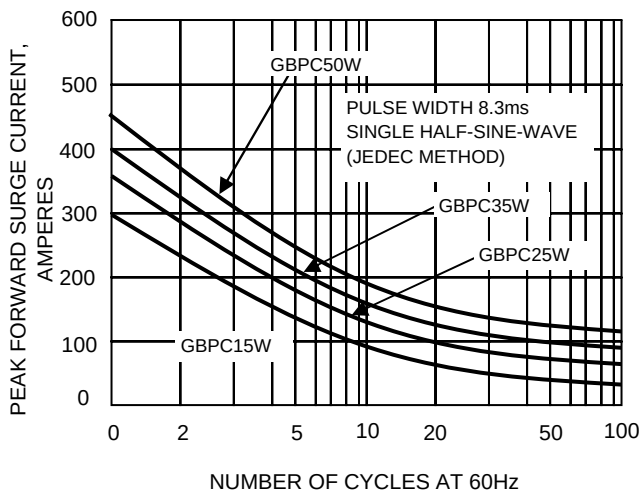


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

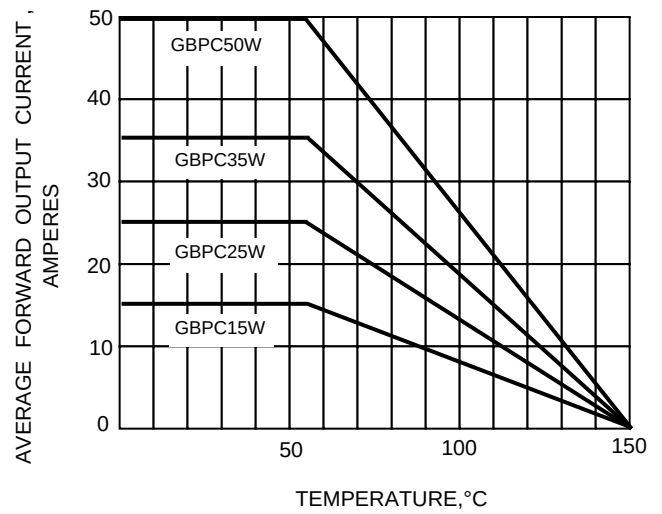


FIG.3-TYPICAL FORWARD CHARACTERISTICS

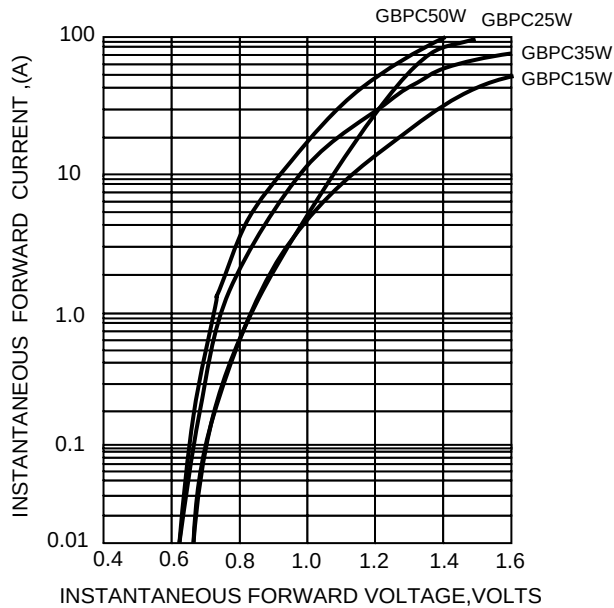


FIG.4-TYPICAL REVERSE CHARACTERISTICS

