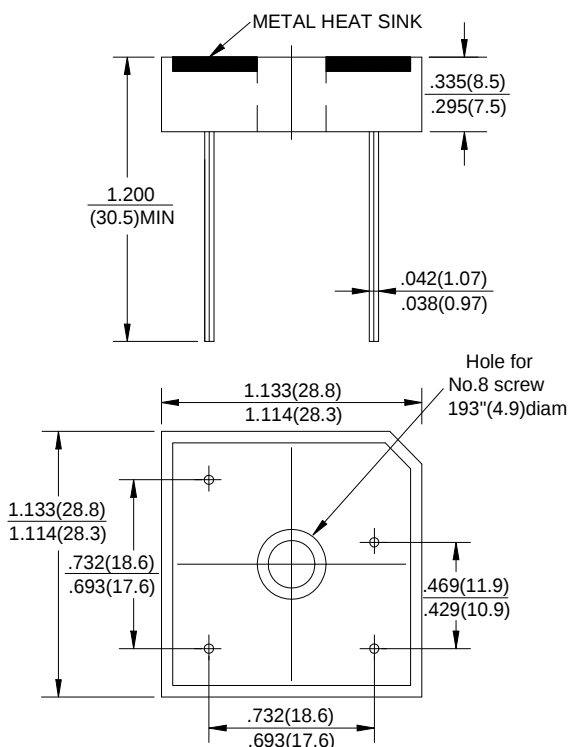




Dimensions in inches and (milimeters)

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%

CHARACTERISTICS	SYMBOL	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

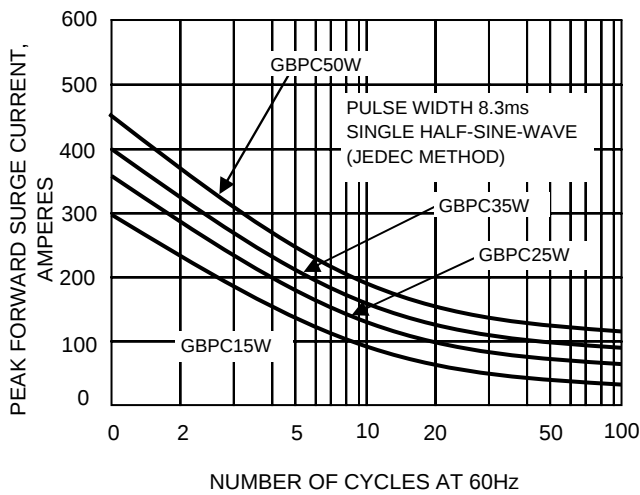


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

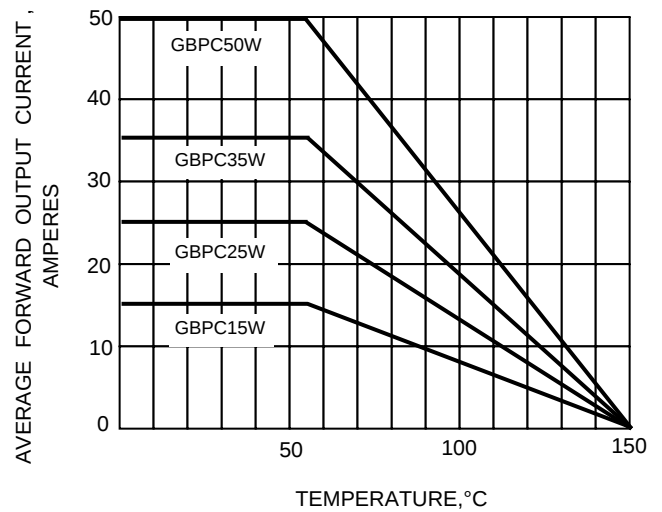


FIG.3-TYPICAL FORWARD CHARACTERISTICS

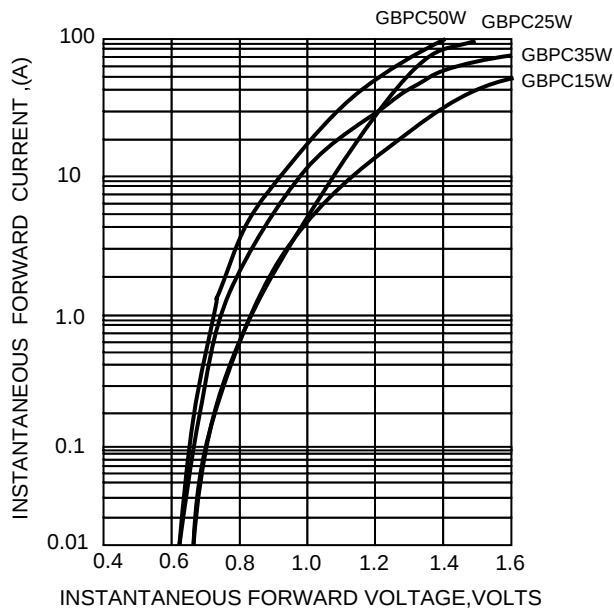


FIG.4-TYPICAL REVERSE CHARACTERISTICS

