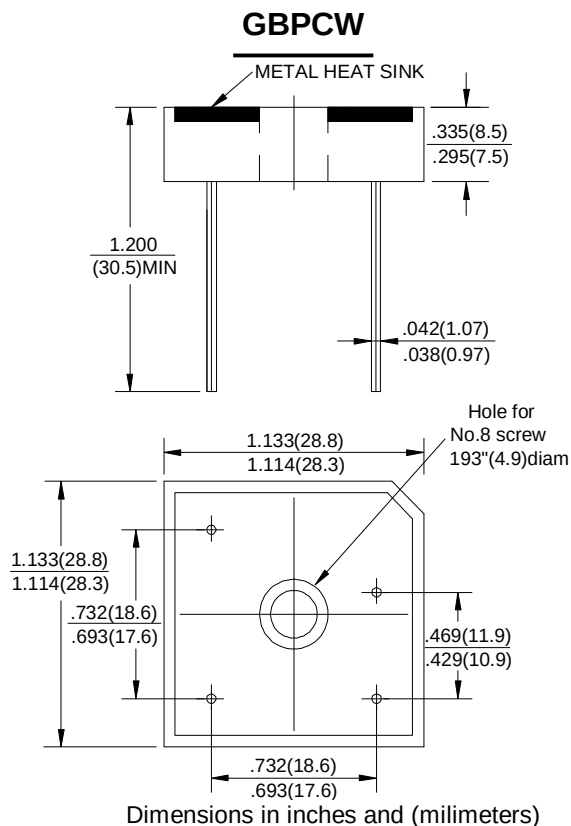


GLASS PASSIVATED BRIDGE RECTIFIERS

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
- 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		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 Surge 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 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 _J =25℃	I _R	10														μA
Operating Temperature Range	T _J	-55 to +150														℃
Storage Temperature Range	T _{STG}	-55 to +150														℃

RATING AND CHARACTERISTIC CURVES
GBPC15/25/35/50W SERIES



FIG.1-MAXIMUM FORWARD SURGE CURRENT

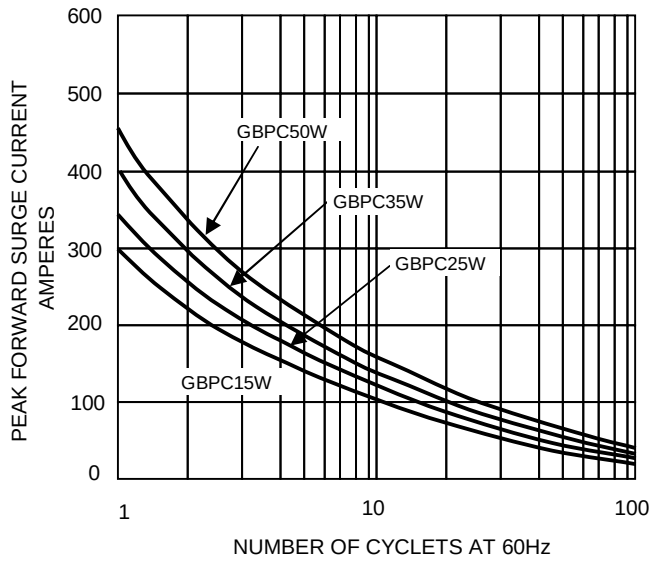


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

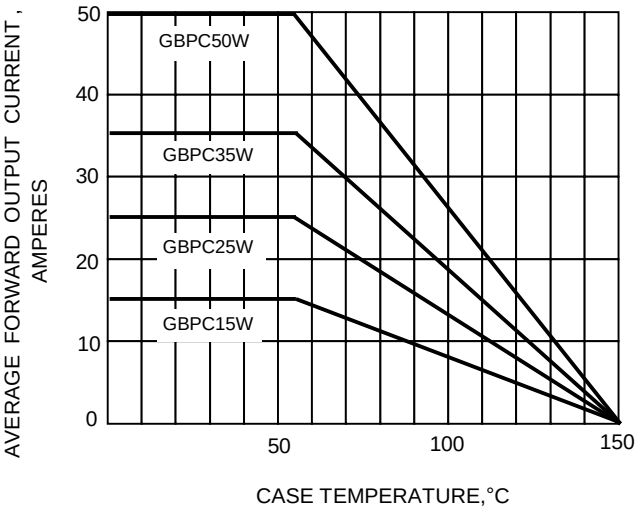


FIG.3-TYPICAL FORWARD CHARACTERISTICS

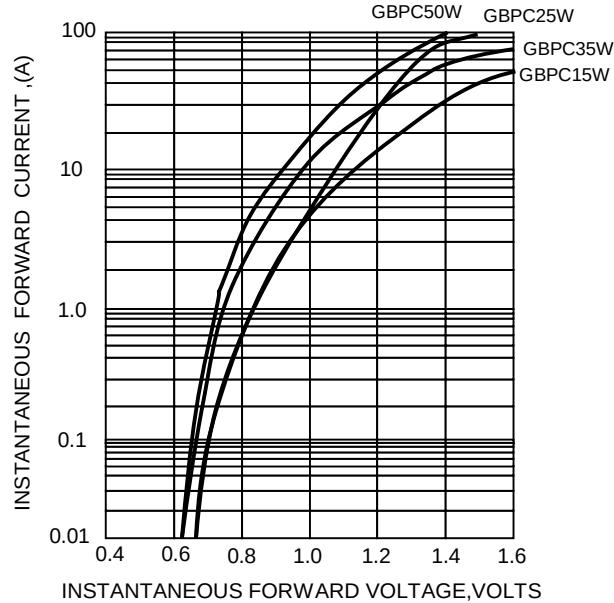


FIG.4-TYPICAL REVERSE CHARACTERISTICS

