GOOD-ARK

GBPC15/25/35/50W SERIES

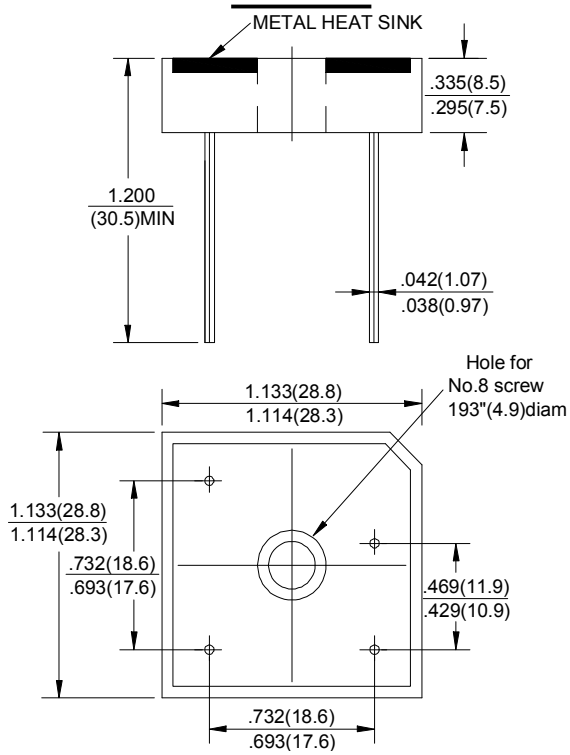
GLASS PASSIVATED
BRIDGE RECTIFIERS

REVERSE VOLTAGE - **50** to **1000**Volts
RWARD 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

GBPCW



Dimensions in inches and (milimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ 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 15005 / 25005 / 35005 / 50005	GBPC-W 1501 / 2501 / 3501 / 5001	GBPC-W 1502 / 2502 / 3502 / 5002	GBPC-W 1504 / 2504 / 3504 / 5004	GBPC-W 1506 / 2506 / 3506 / 5006	GBPC-W 1508 / 2508 / 3508 / 5008	GBPC-W 1510 / 2510 / 3510 / 5010	UNIT
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 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								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-MAXMUN FORWARD SURGE CURRENT

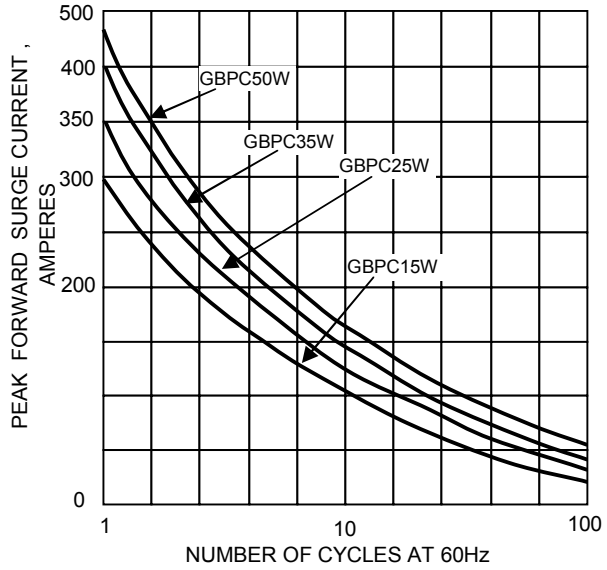


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

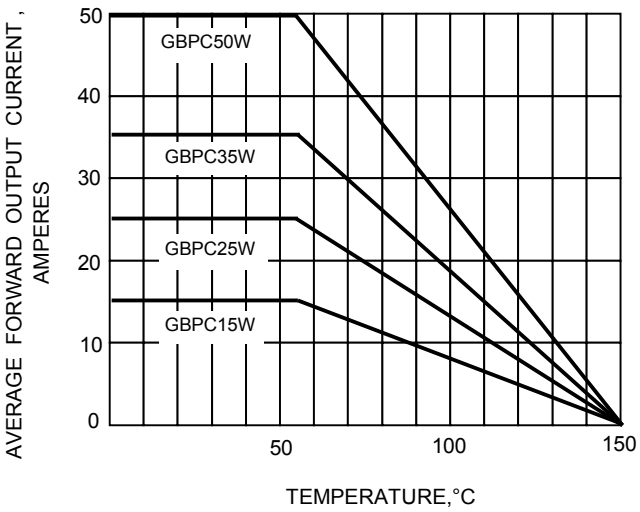


FIG.3-TYPICAL FORWARD CHARACTERISTICS

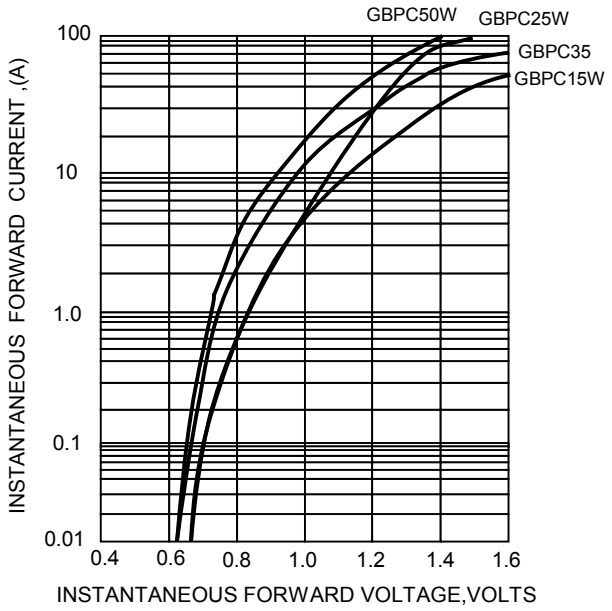


FIG.4-TYPICAL REVERSE CHARACTERISTICS

