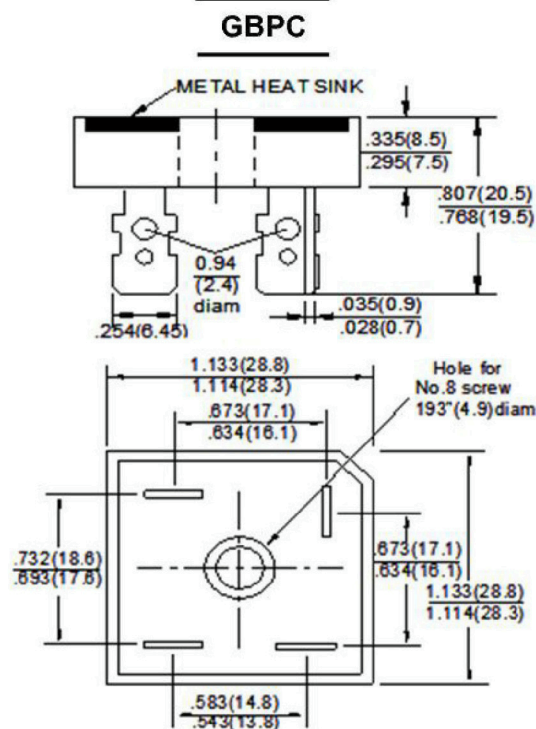


GLASS PASSIVATED BRIDGE RECTIFIERS

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 Volts
- Solderable 0.25" FAST ON terminals
- Materials used carries U/L recognition
- Pb-free
- Add suffix "-SL" to p/n for reduced tab lead length as shown in drawing (e.g. "GBPC5010-SL")



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Resistive or inductive load 60Hz.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	GBPC		GBPC		GBPC		GBPC		GBPC		UNIT			
		15005		1501		1502		1504		1506					
		25005		2501		2502		2504		2506					
		35005		3501		3502		3504		3506					
		50005		5001		5002		5004		5006					
Maximum Recurrent Peak Reverse Voltage	VRRM	50		100		200		400		600		800	1000	V	
Maximum RMS Bridge Input Voltage	VRMS	35		70		140		280		420		560		700	V
Maximum Average Forward Rectified Output Current @ Tc=55℃	I(AV)	GBPC 15	15		GBPC 25	25		GBPC 35	35		GBPC 50	50		A	
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM		300			350			400			450		A	
Maximum Forward Voltage Drop Per Element at 7.5/12.5/17.5/25.0 A Peak	VF	1.1												V	
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ TJ=25℃	IR	10												μA	
Operating Temperature Range	TJ	-55 to +150												℃	
Storage Temperature Range	TSTG	-55 to +150												℃	

FIG.1-MAXIMUM FORWARD SURGE CURRENT

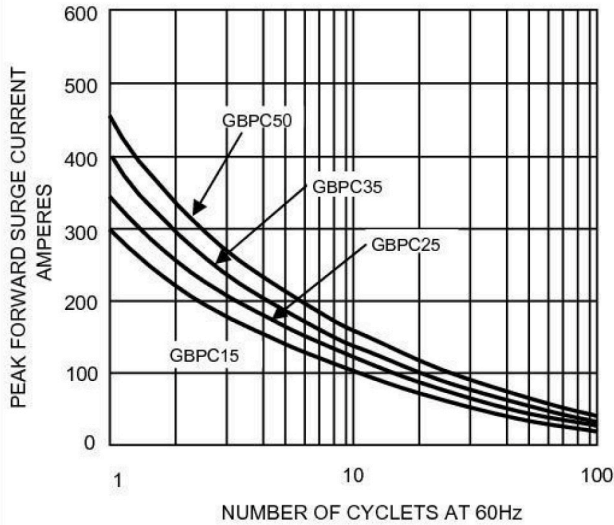


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

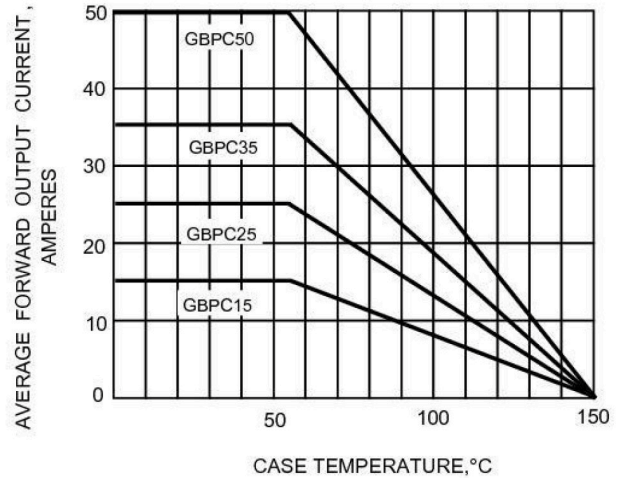


FIG.3-TYPICAL FORWARD CHARACTERISTICS

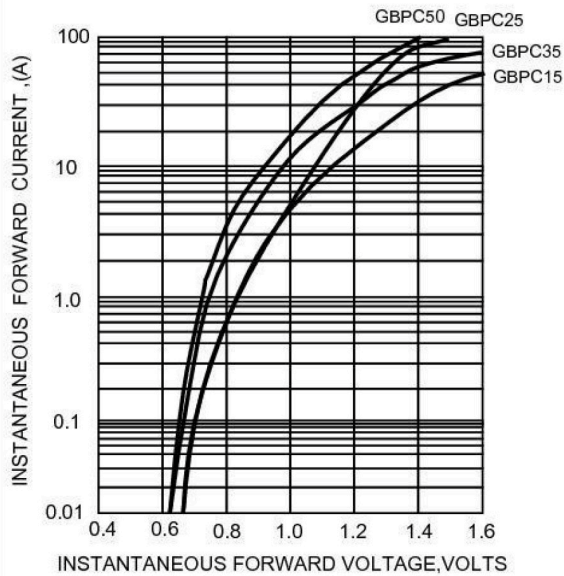
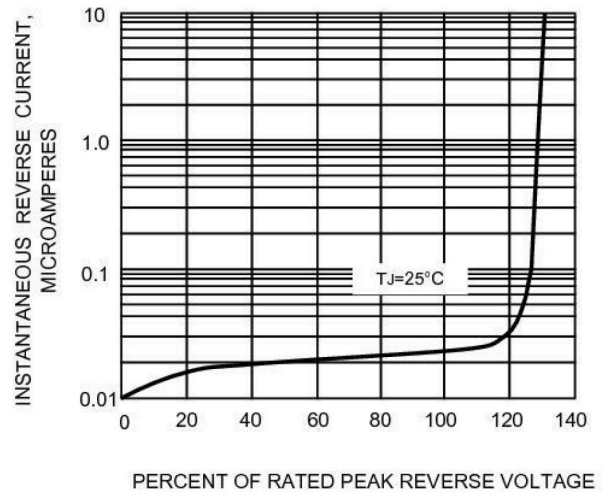


FIG.4-TYPICAL REVERSE CHARACTERISTICS



The curve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!