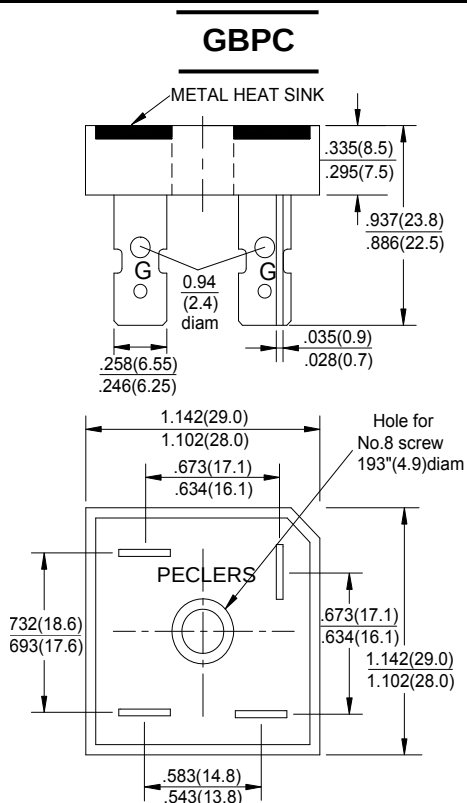


GLASS PASSIVATED BRIDGE RECTIFIERS

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



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								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°C	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	I _{FSM}		300			350			400			450		A		
Maximum Forward Voltage Drop Per Element at 7.5/12.5/17.5/25.0 A Peak	V _F	1.1														V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ T _J =25°C	I _R	10														µA
Operating Temperature Range	T _J	-55 to +150														°C
Storage Temperature Range	T _{STG}	-55 to +150														°C

FIG.1-MAXIMUM FORWARD SURGE CURRENT

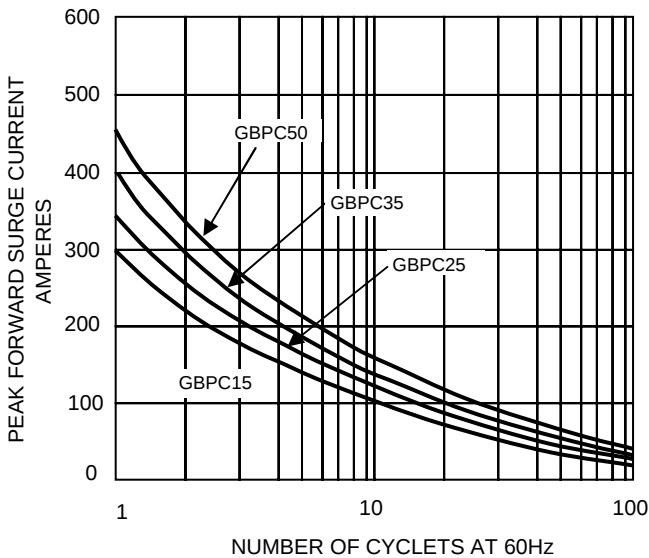


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT

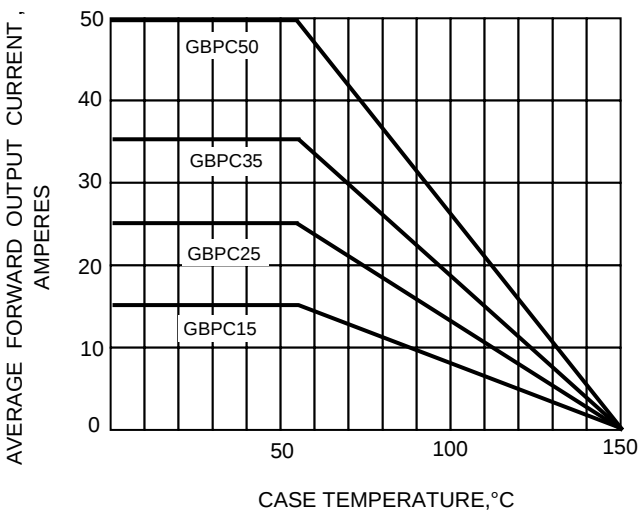


FIG.3-TYPICAL FORWARD CHARACTERISTICS

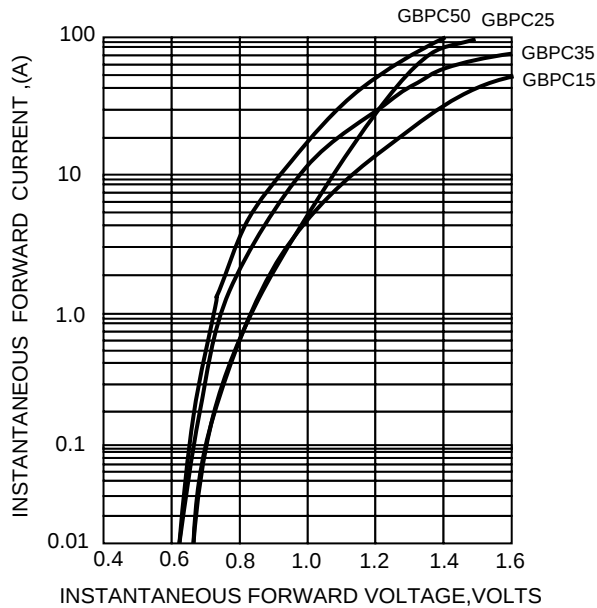
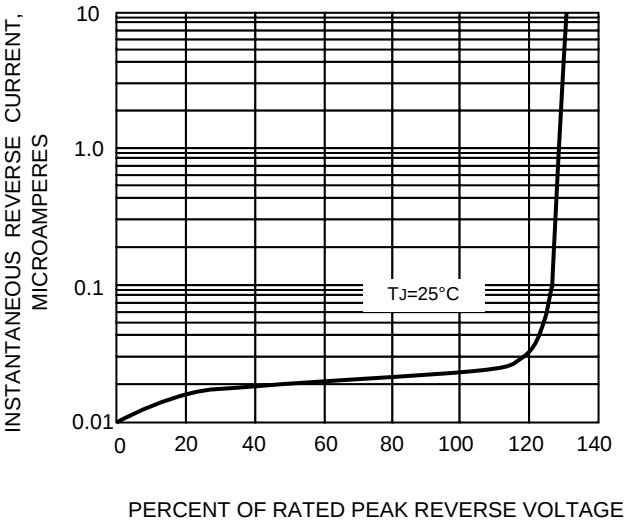


FIG.4-TYPICAL REVERSE CHARACTERISTICS



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