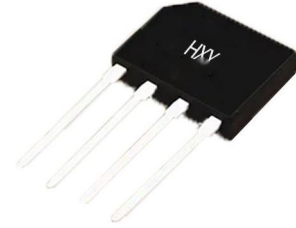


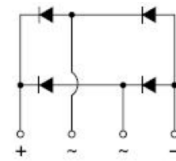


## FEATURES

- Surge overload rating - 60 amperes peak
- Ideal for printed circuit board
- Plastic material has underwriters laboratory flammability classification 94V-0
- Mounting position: Any



GBP



## Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
GBP6005-GBP610	GBP		500

## MAXIMUM RATINGS (Ta=25 unless otherwise noted)

CHARACTERISTICS	SYMBOL	GBP 6005	GBP 601	GBP 602	GBP 604	GBP 606	GBP 608	GBP 610	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	VRMS	30	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ TA=50°C	I(AV)	6.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	60							A
Maximum Forward Voltage Drop Per Bridge Element at 2.0A Peak	VF	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element	IR	10.0							uA
Maximum Reverse Current at Rated DC Blocking Voltage Per Element TA=100°C	IR	1.0							mA
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	TSTG	-55 to +150							°C



### Rating and Characteristic Curves ( $T_A=25^{\circ}\text{C}$ Unless otherwise noted )

FIG.1-FORWARD CURRENT DERATING CURVE

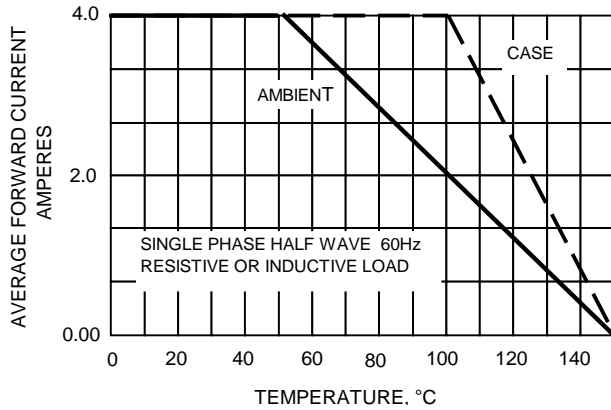


FIG.2-MAXIMUM NON-REPETITIVE SURGE CURRENT

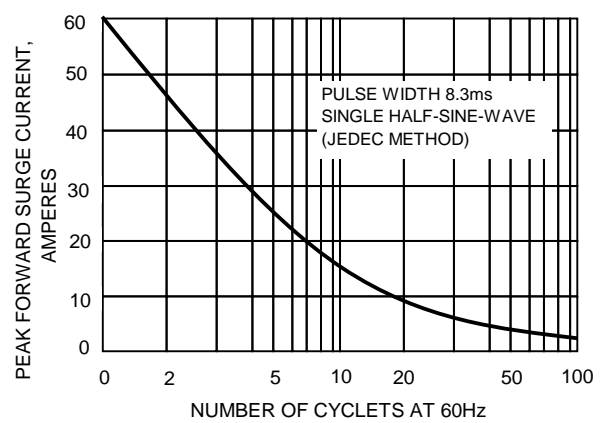


FIG.3-TYPICAL JUNCTION CAPACITANCE

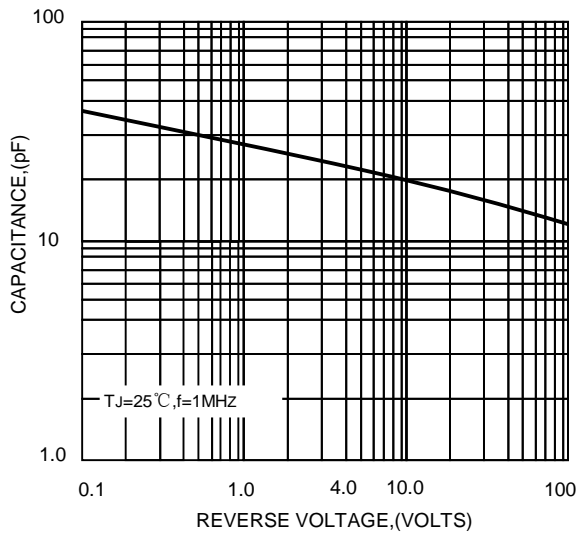


FIG.4-TYPICAL FORWARD CHARACTERISTICS

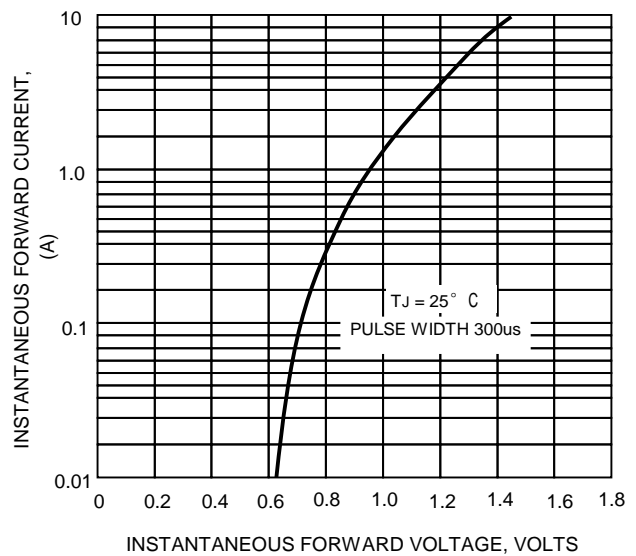
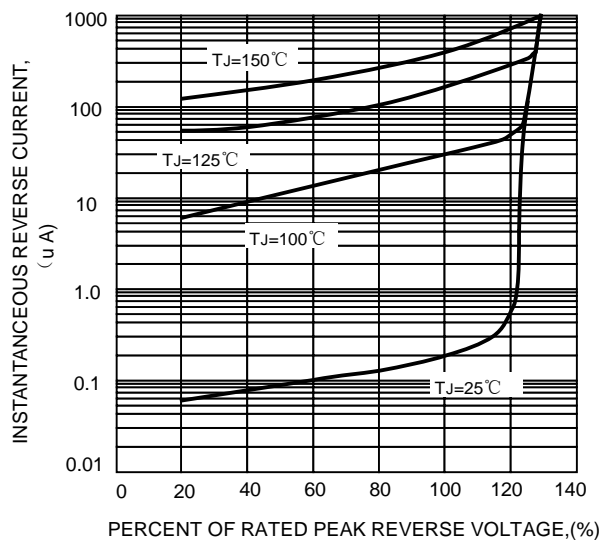
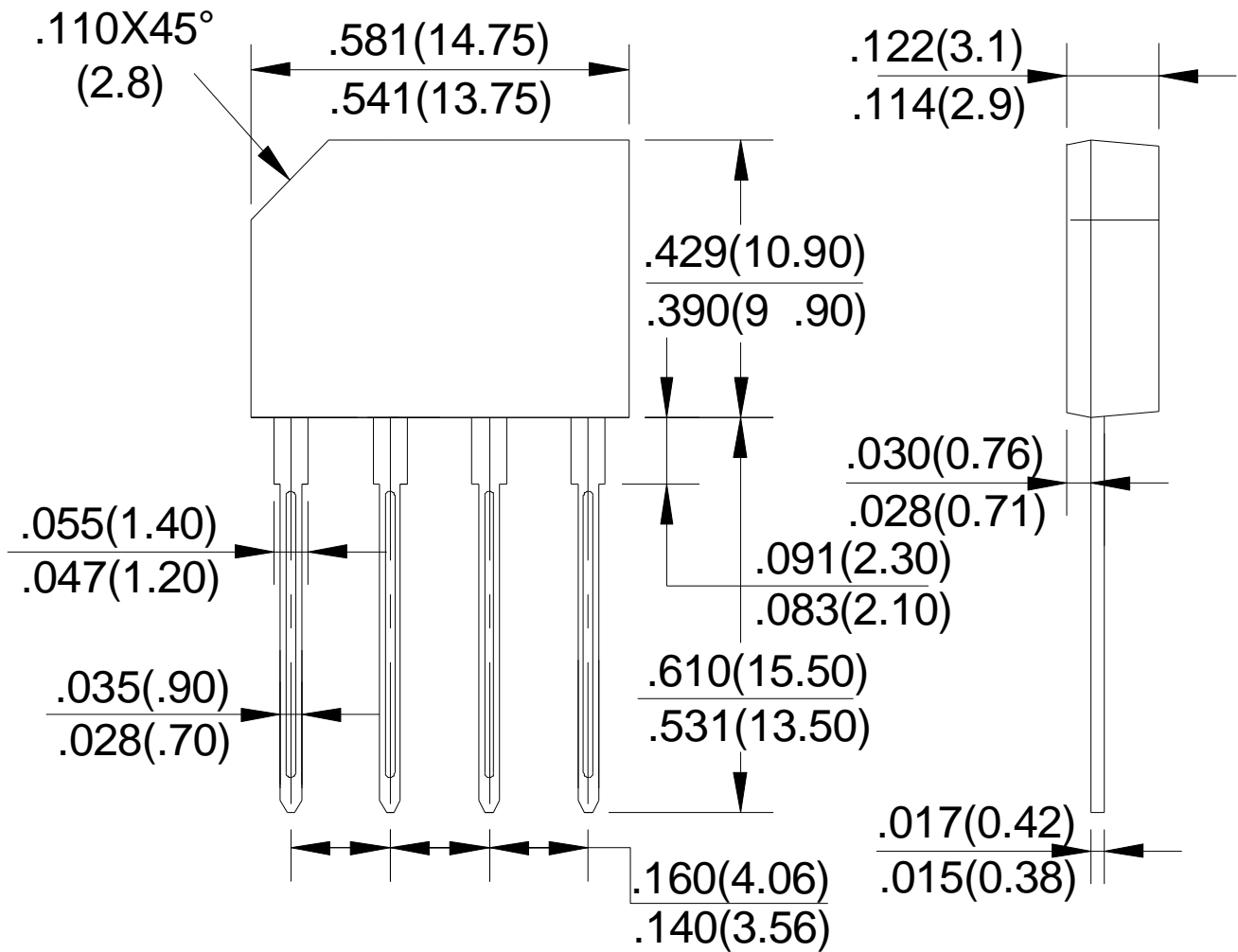


FIG.5-TYPICAL REVERSE CHARACTERISTICS





GBP Package Outline Dimensions





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