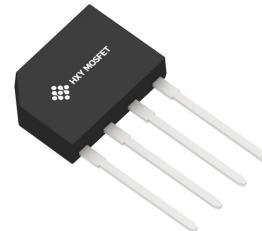


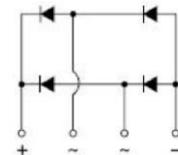


Features

- Surge overload rating 125 amperes peak
- Ideal for printed circuit board
- Plastic material has underwriters laboratory
- flammability classification 94V-0



GBP



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
S-GBP410_HF-TU-LT	GBP		500

Maximum Ratings (Ta=25°C unless otherwise noted)

Ratings at 25 °C ambient temperature unless otherwise specified.	SYMBOLS	GBP402	GBP404	GBP406	GBP408	GBP410	UNITS
Maximum repetitive peak reverse voltage	V _{RRM}	200	400	600	800	1000	Volts
Maximum RMS voltage	V _{RMS}	140	280	420	560	700	Volts
Maximum DC blocking voltage	V _{DC}	200	400	600	800	1000	Volts
Maximum average forward rectified output current @TA=50°C (Note)	I (AV)	4.0				Amps	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	125				Amps	
Maximum instantaneous forward voltage at 4.0 A	V _F	1.1				Volts	
Maximum DC reverse current @TJ=25°C at rated DC blocking voltage @TJ=100°C	I _R	10 1000				uA	
Operating junction temperature range	T _J	-55 to +150				°C	
Storage temperature range	T _{STG}	-55 to +150				°C	

Note : Mounting conditions, 0.5" lead length maximum.



Rating and Characteristic Curves (TA=25°C unless otherwise noted)

FIG.1 - FORWARD CURRENT DERATING CURVE

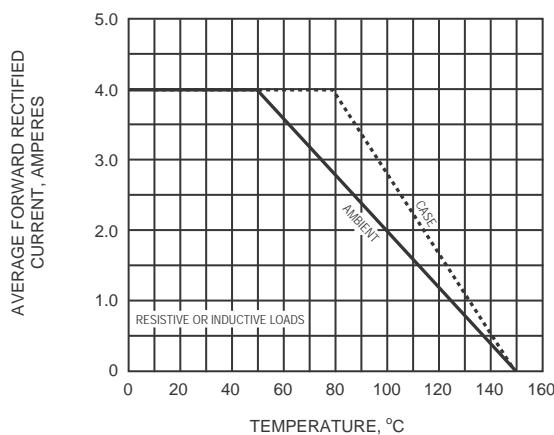


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

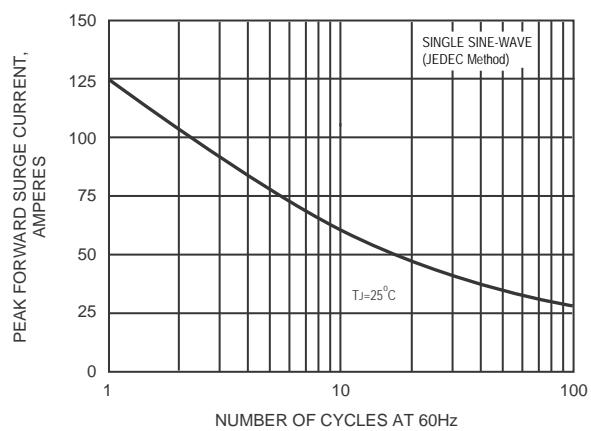


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

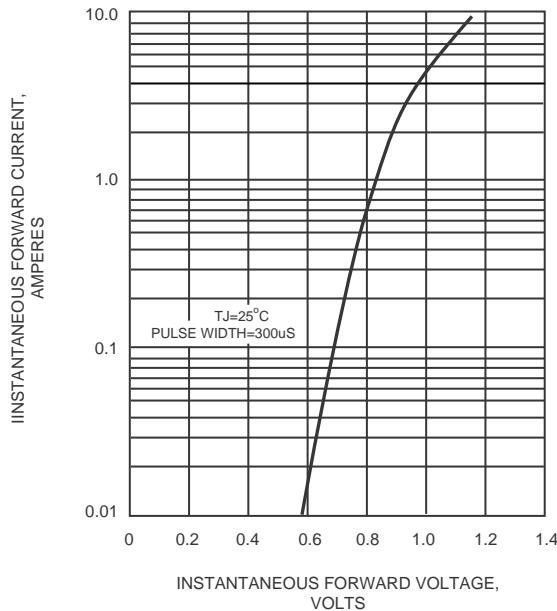
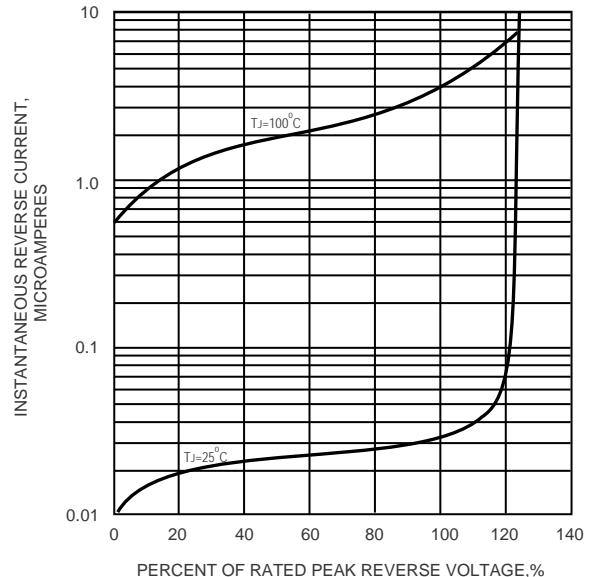
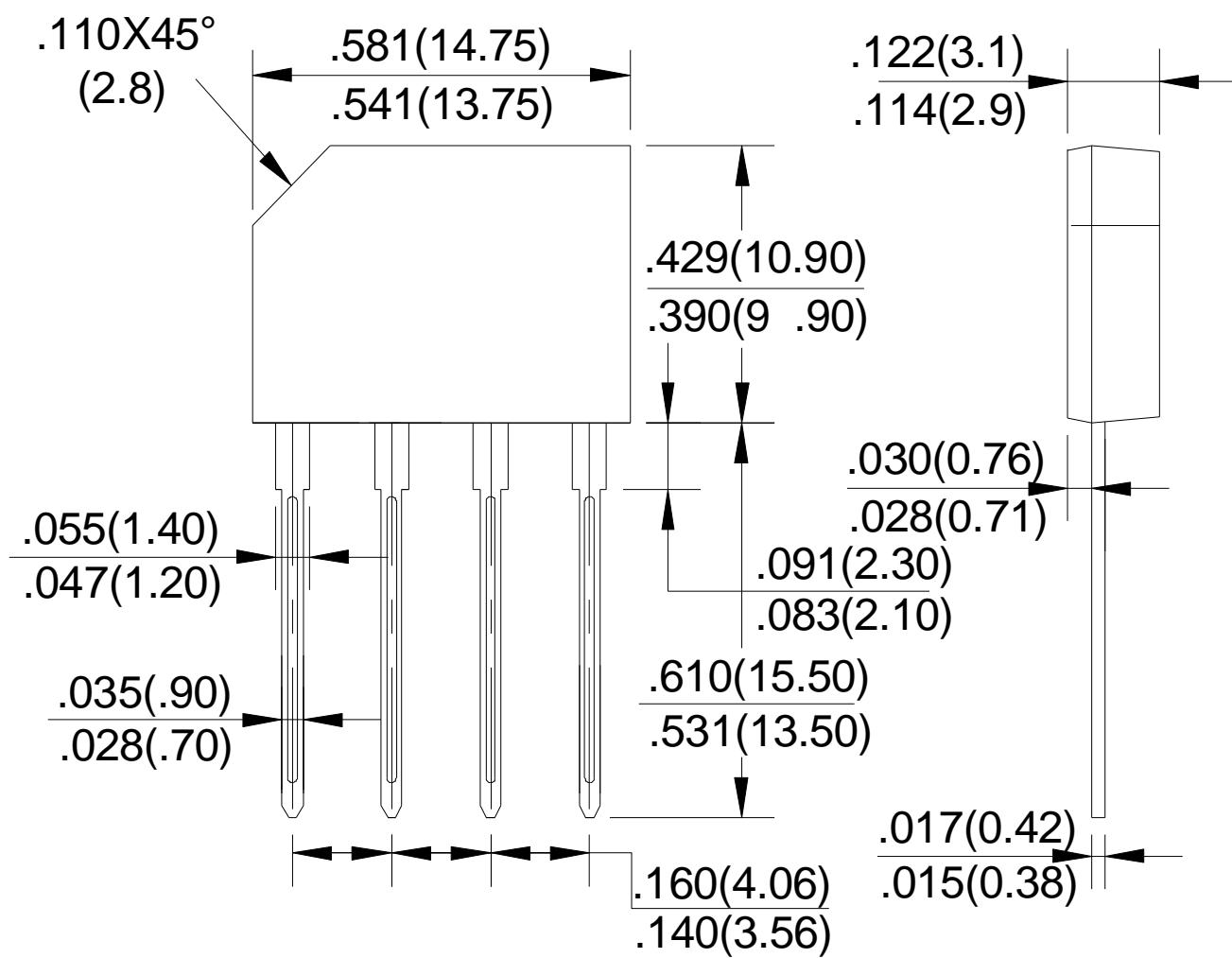


FIG.4 - TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT





GBP Package Outline Dimensions





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