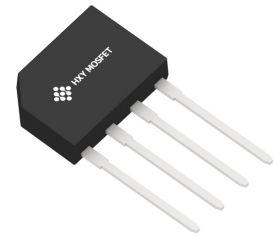




Features

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

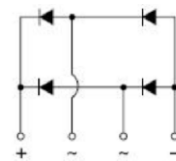


GBP

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
GBP402-GBP410	GBP	GBP4xx	500

xx:02-10.



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

Single phase half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

Ratings at 25 °C ambient temperature unless otherwise specified.	Symbols	GBP402	GBP404	GBP406	GBP408	GBP410	Units
Maximum repetitive peak reverse voltage	VRRM	200	400	600	800	1000	Volts
Maximum RMS voltage	VRMS	140	280	420	560	700	Volts
Maximum DC blocking voltage	VDC	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)	IFSM	125					Amps
Maximum instantaneous forward voltage at 4.0 A	VF	1.1					Volts
Maximum DC reverse current @TJ=25°C at rated DC blocking voltage @TJ=100°C	IR	10 1000					uA
Operating junction temperature range	TJ	-55 to +150					°C
Storage temperature range	TSTG	-55 to +150					°C

Note : Mounting conditions, 0.5" lead length maximum.



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

FIG.1 - FORWARD CURRENT DERATING CURVE

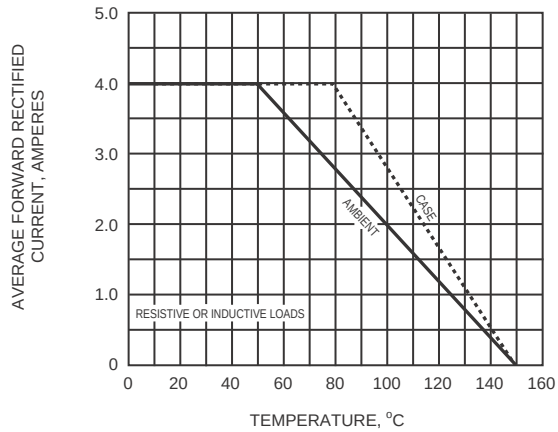


FIG.2 - MAXIMUM NON-REPETITIVE
PEAK FORWARD SURGE CURRENT

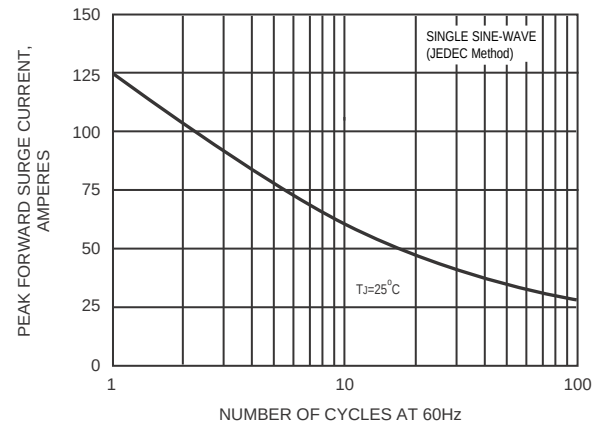


FIG.3 - TYPICAL INSTANTANEOUS
FORWARD CHARACTERISTICS

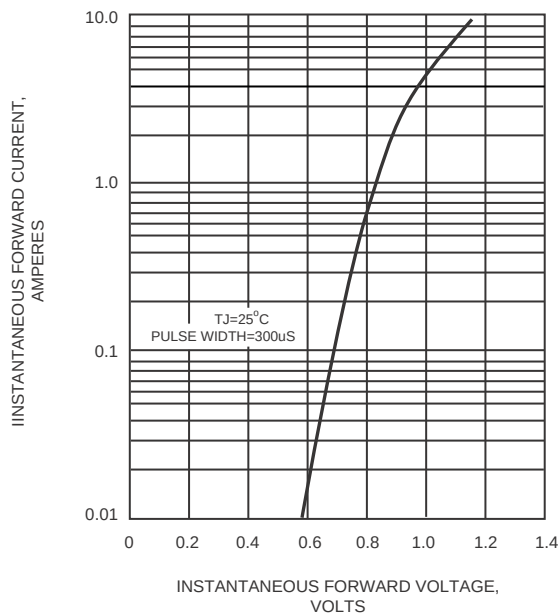
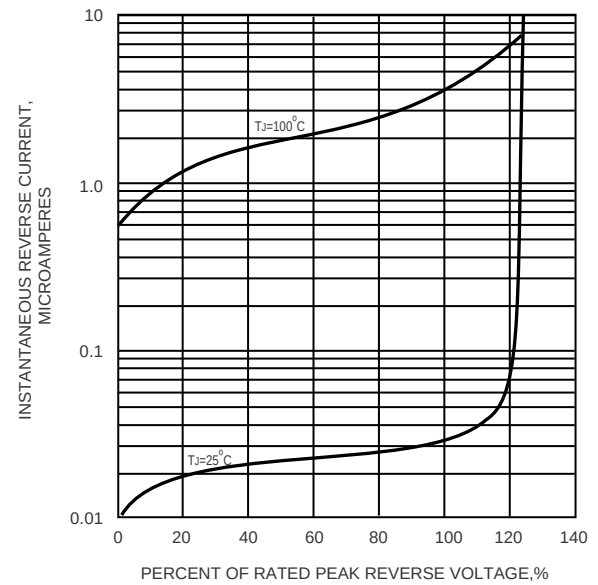
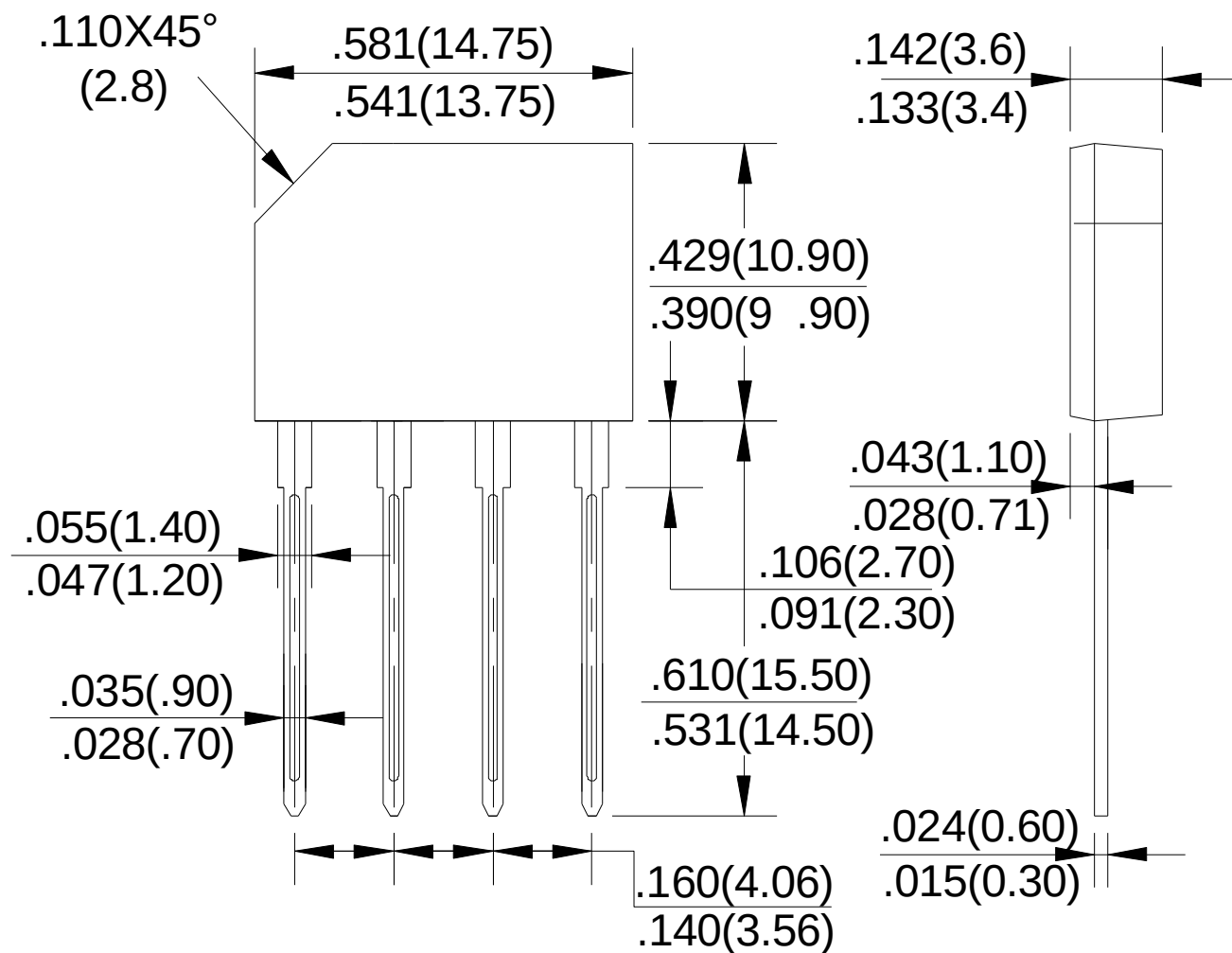


FIG.4 - TYPICAL REVERSE CHARACTERISTICS
PER BRIDGE ELEMENT





GBP Package Outline Dimensions





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