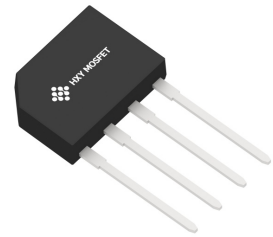




Features

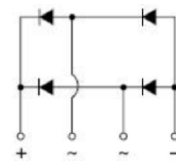
- Surge overload rating 125 amperes peak
- Ideal for printed circuit board
- Plastic material has underwriters laboratory
- flammability classification 94V-0



GBP

Package Marking and Ordering Information

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



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 at rated DC blocking voltage | 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

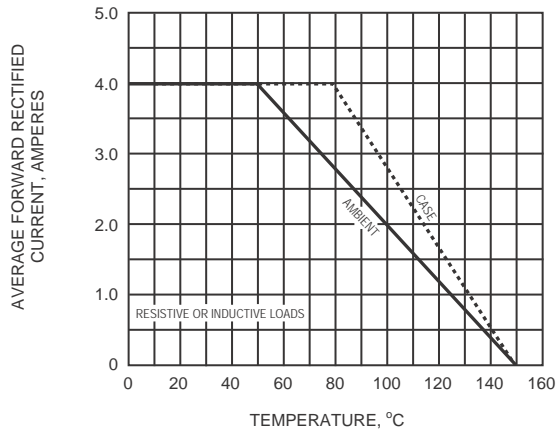


FIG.2 - MAXIMUM NON-REPETITIVE
PEAK FORWARD SURGE CURRENT

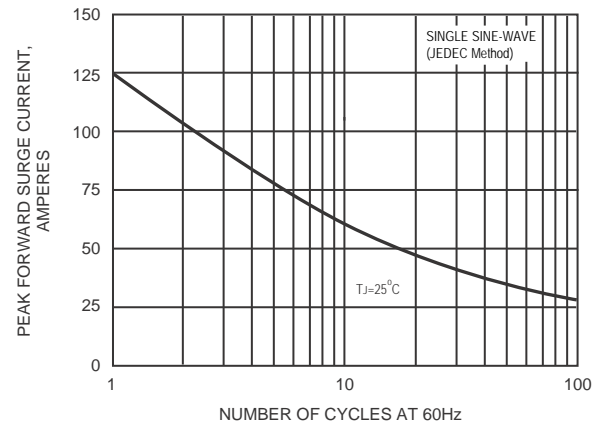


FIG.3 - TYPICAL INSTANTANEOUS
FORWARD CHARACTERISTICS

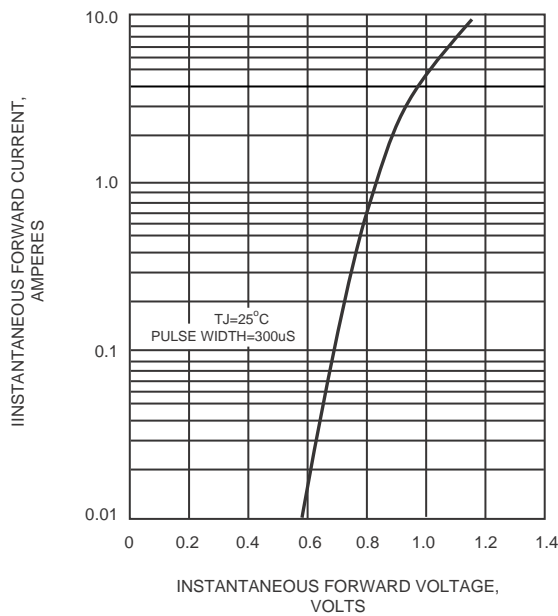
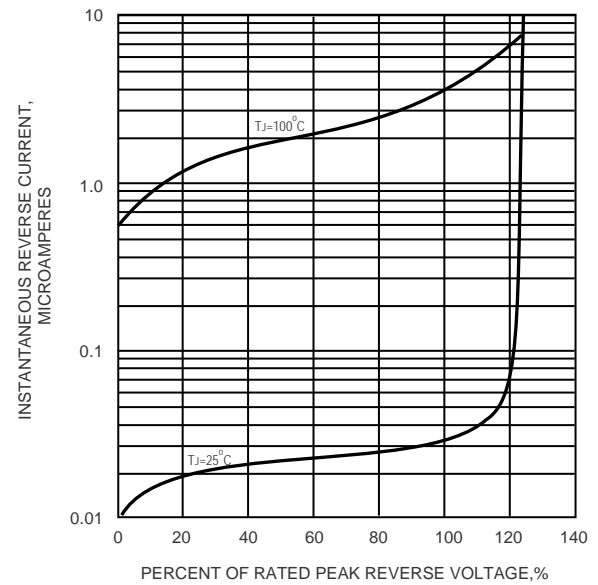
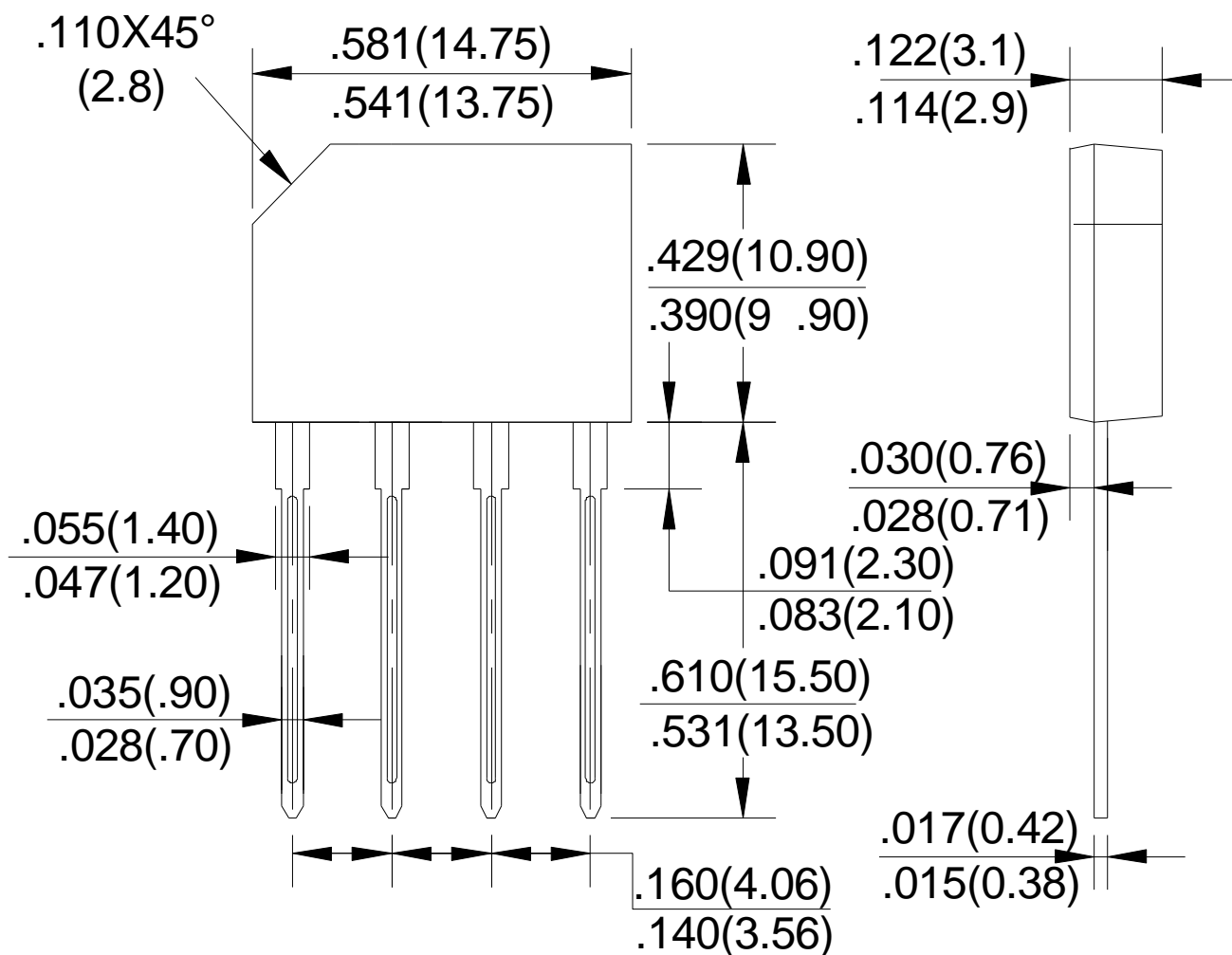


FIG.4 - TYPICAL REVERSE CHARACTERISTICS
PER BRIDGE ELEMENT





GBP Package Outline Dimensions





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