

# KBP402 THRU KBP410

## GLASS PASSIVATED BRIDGE RECTIFIER

*Reverse Voltage - 200 to 1000 Volts*

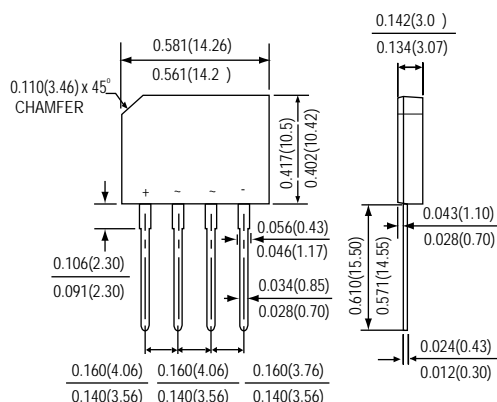
*Forward Current - 4.0 Amperes*

**GBP**



### FEATURES

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



\*Dimensions in inches and (millimeters)

### MECHANICAL DATA

**Case :** Molded Plastic

**Terminals :** Tin Plated, solderable per MIL-STD-750, Method 2026

**Mounting position :** Any

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

<i>Ratings at 25°C ambient temperature unless otherwise specified.</i>	SYMBOLS	<b>KBP402</b>	<b>KBP404</b>	<b>KBP406</b>	<b>KBP408</b>	<b>KBP410</b>	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.

# RATINGS AND CHARACTERISTIC CURVES KBP402 THRU KBP410

FIG.1 - FORWARD CURRENT DERATING CURVE

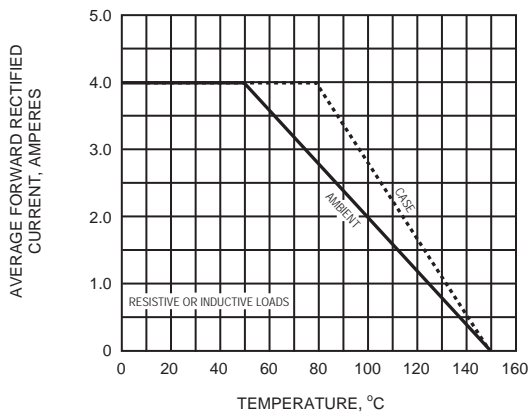


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

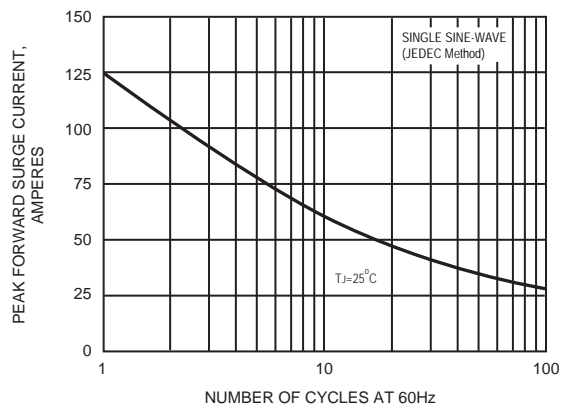


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

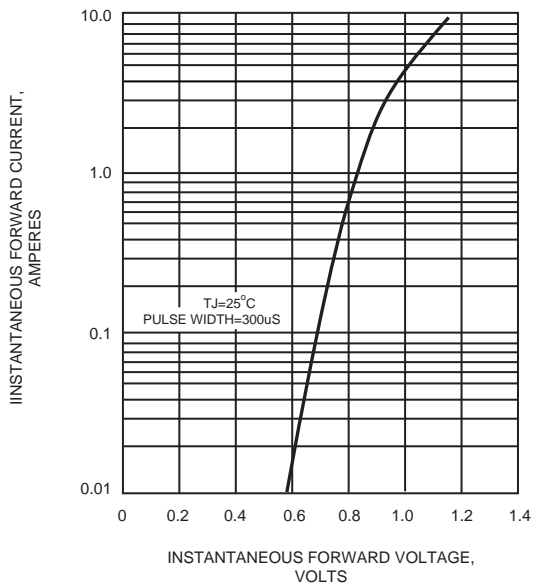


FIG.4 - TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

