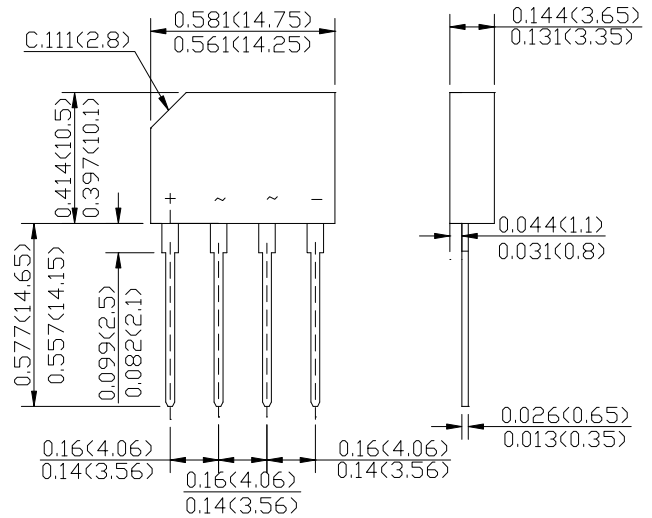


## TURES

- UL recognized file # E176542
- Surge overload rating-80 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory
- Flammability Classification 94V-0
- Mounting position: Any
- Lead: Silver Plated Cooper Lead.

## GBP



Dimensions in inches and (millimeters)

## Maximum Ratings and Electrical Characteristics

Ratings at 25 C ambient temperature unless otherwise specified. Resistive or inductive load, 60 Hz. For capacitive load, derate current by 20%.

	Symbols	GBP3005 KBP3005G	GBP301 KBP301G	GBP302 KBP302G	GBP304 KBP304G	GBP305 KBP305G	GBP306 KBP306G	GBP307 KBP307G	Units
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	$V_{RMS}$	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Output Current @ $T_A=250C$	$I(AV)$	3.0							Amp
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load	$I_{FSM}$	80							Amp
Maximum DC Forward Voltage drop per element at 1.5A DC	$V_F$	1.1							Volts
Maximum DC Reverse Current at rated Dc Blocking Voltage Per Element	$I_R$	10 1000							uAmp
$I^2t$ Rating for fusing( $t<8.3ms$ )	$I^2t$	10							$A^2S$
Operating Temperature Range	$T_J$	-55 to+150							$^{\circ}C$
Storage Temperature Range	$T_{stg}$	-55 to+150							$^{\circ}C$

### NOTE:

1. Mounting conditions, 0.5" lead length maximum.

## RATINGS AND CHARACTERISTIC CURVES

Fig.1 - DERATING CURVE FOR  
OUTPUT RECTIFIED CURRENT

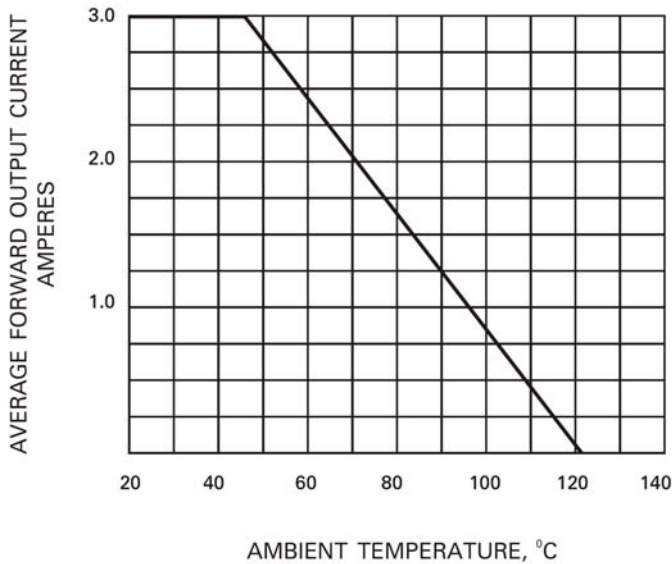


Fig.2 - DERATING CURVE FOR  
OUTPUT RECTIFIED CURRENT

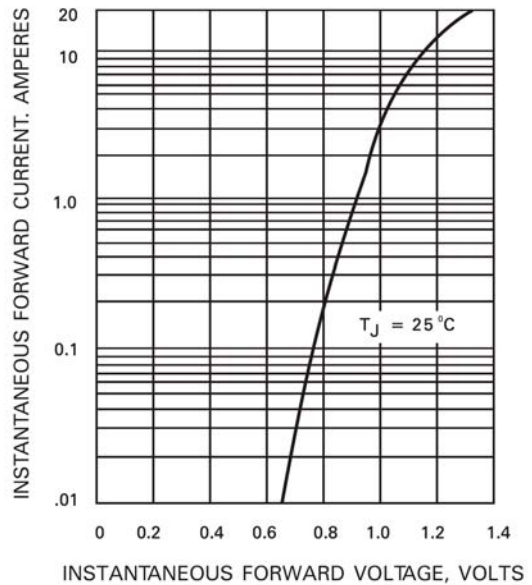


Fig.3 - TYPICAL FORWARD  
CHARACTERISTICS

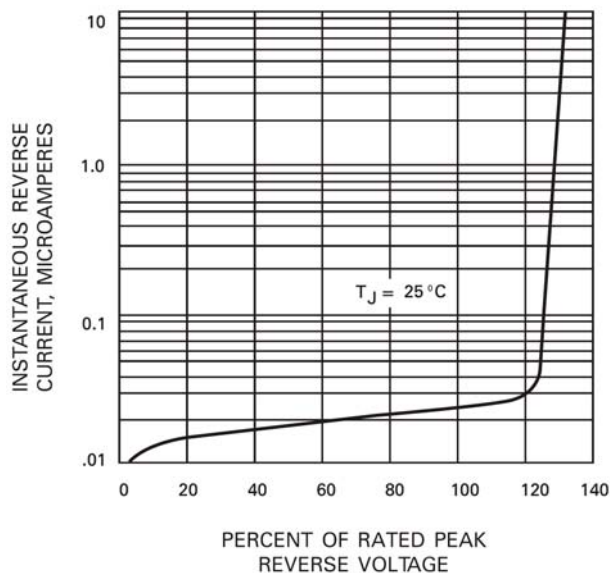


FIG.4 - MAXIMUM FORWARD SURGE CURRENT

