

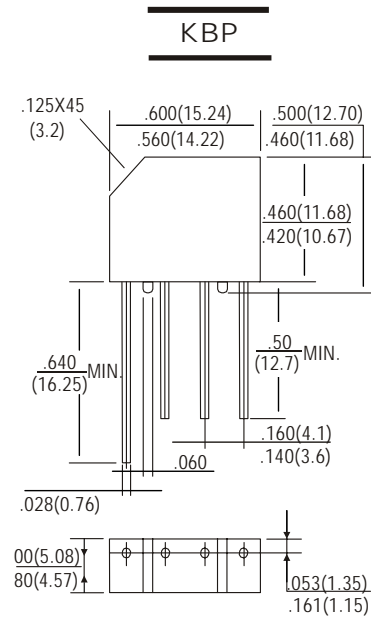
**FEATURES**

- $I_o$  3A
- $V_{RRM}$  50V~1000V
- 玻璃钝化芯片  
Glass passivated chip
- 耐正向浪涌电流能力高

**用途 Applications**

- 作一般电源单相桥式整流用  
General purpose 1 phase Bridge rectifier applications

VOLTAGE RANGE  
50 TO 1000 VOLTS  
CURRENT  
3.0 Amperes



Dimensions in inches and (millimeters)

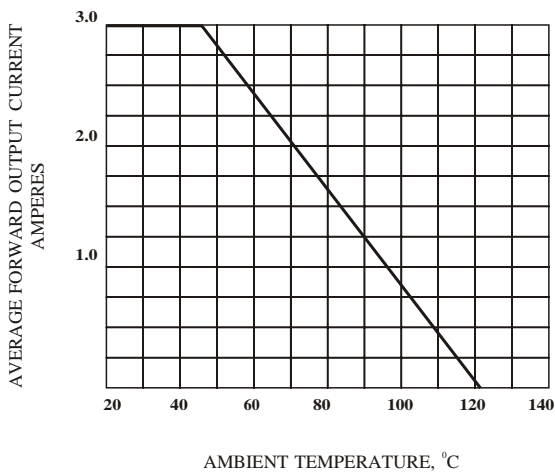
**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

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

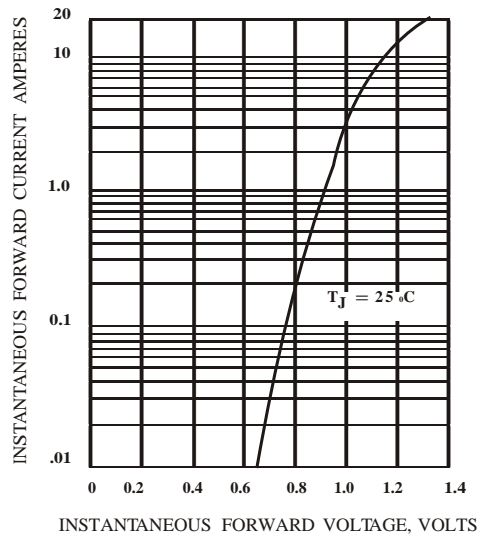
		KBP3005	KBP301	KBP302	KBP304	KBP306	KBP308	KBP310	UNITS
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	$V_{DC}$	60	100	200	400	600	800	1000	V
Maximum Average Forward Output Current @ $T_A=25^\circ C$	$V_{(AV)}$	3.0							A
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load	$I_{FSM}$	80							A
Maximum DC Forward Voltage drop per element at 1.0A DC	$V_F$	1.1							V
Maximum DC Reverse Current at rated @ $T_A=25^\circ C$ DC Blocking Voltage Per Element @ $T_A=100^\circ C$	$I_R$	10 1							$\mu$ A mA
$I^2 t$ Rating for fusing(t<8.3ms)	$I^2 t$	10							A <sup>2</sup> S
Operating Temperature Range	$T_J$	-55 to +125							°C
Storage Temperature Range	$T_{STG}$	-55 to +150							°C

**RATING AND CHARACTERISTICS CURVES**  
KBP3005 THRU KBP310

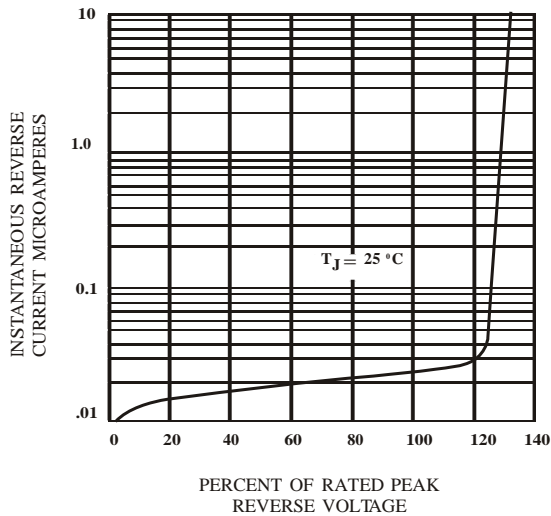
**Fig. 1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT**



**Fig. 2 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT**



**Fig. 3 - TYPICAL FORWARD CHARACTERISTICS**



**Fig. 4 - MAXIMUM FORWARD SURGE CURRENT**

