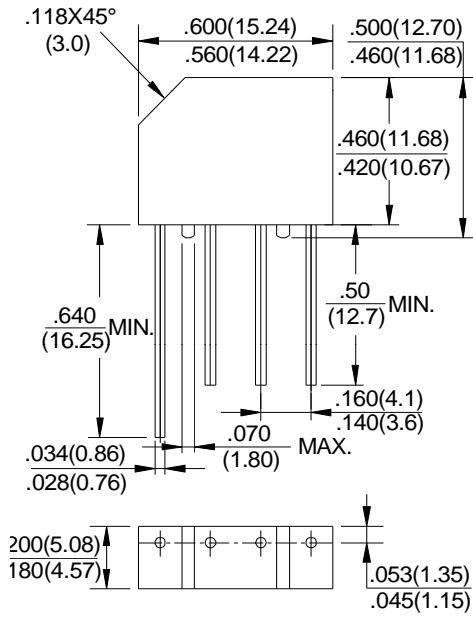
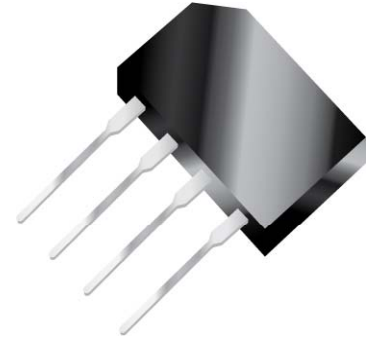




# KBP005G thru KBP10G



## Glass Passivated Bridge Rectifier



### KBP

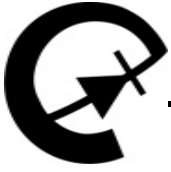
Dimensions in inches and (millimeters)

#### Features

- Surge overload rating -50 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory flammability classification 94V-0
- Mounting position: Any

PRIMARY CHARACTERISTICS	
$I_F$	1.5A
$V_{RRM}$	50~1000V
$I_{FSM}$	50A
$V_F$	1.1V
$T_J \text{ max}$	150°C

MAXIMUM RATINGS (TA=25°C unless otherwise noted)									
PARAMETER	SYMBOL	KBP 005G	KBP 01G	KBP 02G	KBP 04G	KBP 06G	KBP 08G	KBP 10G	UNIT
Maximum repetitive peak reverse voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ $T_A=50^\circ\text{C}$	$I_F$	1.5							A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	$I_{FSM}$	50.0							A
Maximum Instantaneous Forward Voltage @ 1.5A	$V_F$	1.1							V
Maximum DC Reverse Current @ $T_A=25^\circ\text{C}$ rated DC blocking voltage per leg $T_A = 125^\circ\text{C}$	$I_R$	10 1.0							uA mA
Operating Temperature Range	$T_J$	-55 to +150							°C
Storage Temperature Range	$T_{STG}$	-55 to +150							°C



## Glass Passivated Bridge Rectifier

FIG.1-DERATING CURVE OUTPUT RECTIFIED CURRENT

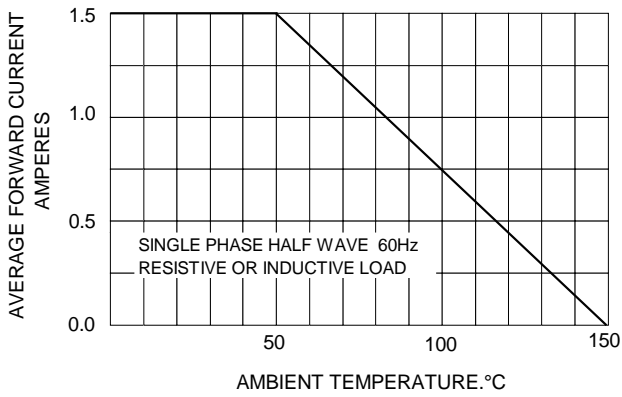


FIG.2-TYPICAL FORWARD CHARACTERISTICS

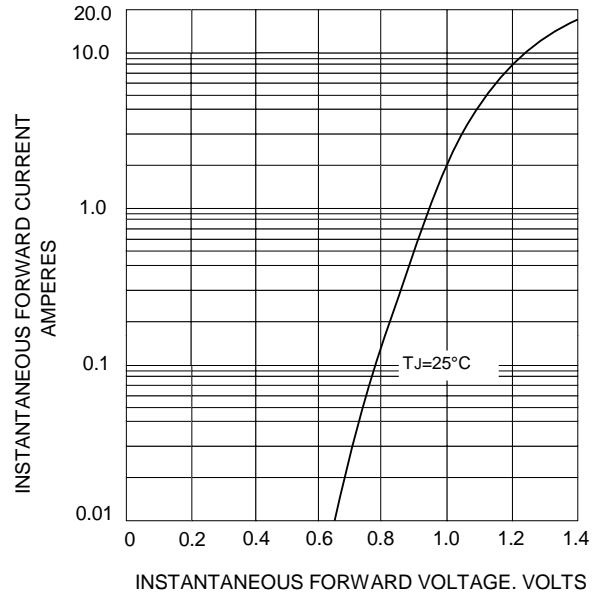


FIG.3-TYPICAL REVERSE CHARACTERISTICS

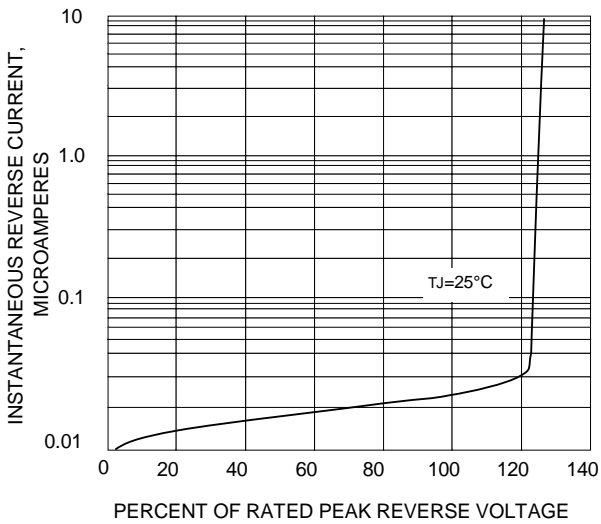


FIG.4-MAXIMUM FORWARD SURGE CURRENT

