

VOLTAGE RANGE: 50 - 1000V

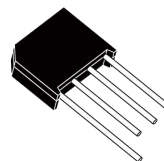
CURRENT: 3.0 A

Features

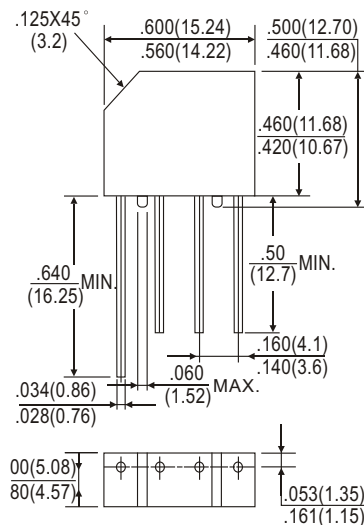
- Surge overload rating-80 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory
- Flammability Classification 94V-O
- Mounting position: Any
- Lead: Silver Plated Cooper Lead.

Mechanical Data

- Case: Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Body
- Weight: 1.7 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



KBP

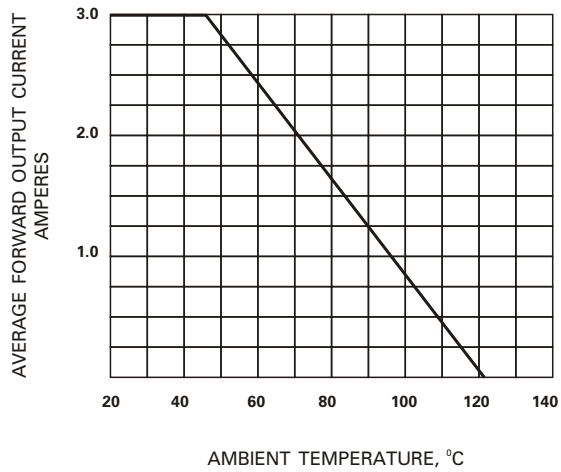


Dimensions in inches and (millimeters)

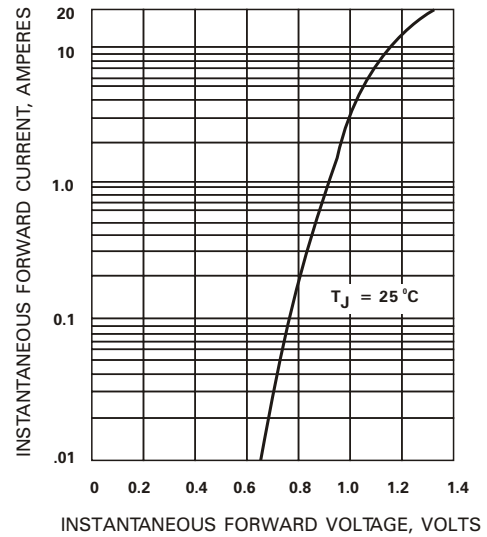
Maximum Ratings @ T_A = 25°C unless otherwise specified

Characteristic	Symbol	KBP3005	KBP301	KBP302	KBP304	KBP306	KBP308	KBP310	Unit
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°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°C DC Blocking Voltage Per Element @ T _A =100°C	I _R	10 1							μA mA
I ² t Rating for fusing(t<8.3ms)	I ² t	10							A ² S
Operating Temperature Range	T _J	-55 to +125							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

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



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



**Fig. 3 - TYPICAL FORWARD
CHARACTERISTICS**

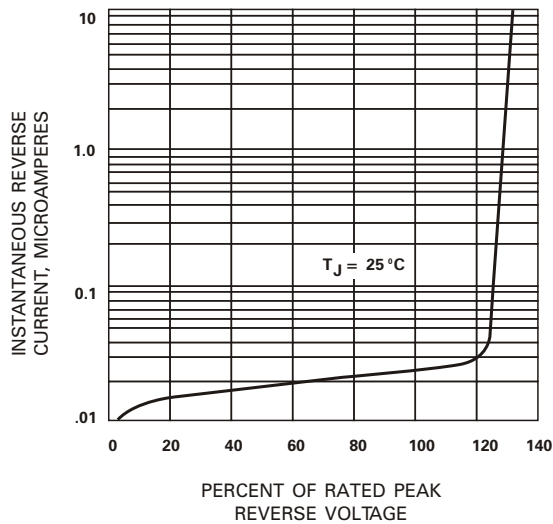


Fig. 4 - MAXIMUM FORWARD SURGE CURRENT

