

KBP SILICON BRIDGE RECTIFIERV

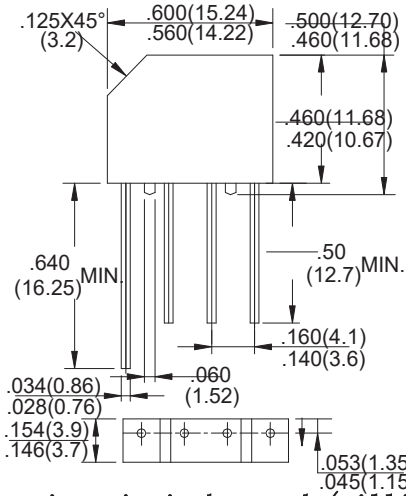
REVERSE VOLTAGE: 50 --- 1000V CURRENT: 3.0A

FEATURES

- Surge overload rating -60 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory flammability classification 94V-0

MECHANICAL DATA

- Case: KBP, molded plastic
- Terminals: plated leads solderable per MIL-STD-202, Method 208
- Polarity: as marked on case
- Mounting position: Any
- Marking: type number



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

CHARACTERISTICS	SYMBOL	KBP 3005	KBP 301	KBP 302	KBP 304	KBP 306	KBP 308	KBP 310	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @TA=50 °C	IAV	3							A
Peak Forward Surge Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	60							A
Maximum Forward Voltage Drop Per Bridge Element at 2.0A Peak	VF	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element	IR	10.0							uA
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @TA=100°C	IR	1.0							mA
Operating Temperature Range TJ	TJ	-55 to +150							°C
Storage Temperature Range TA	TSTG	-55 to +150							°C

RATINGS AND CHARACTERISTIC CURVES

FIG.1-DERATING CURVE
OUTPUT RECTIFIED CURRENT

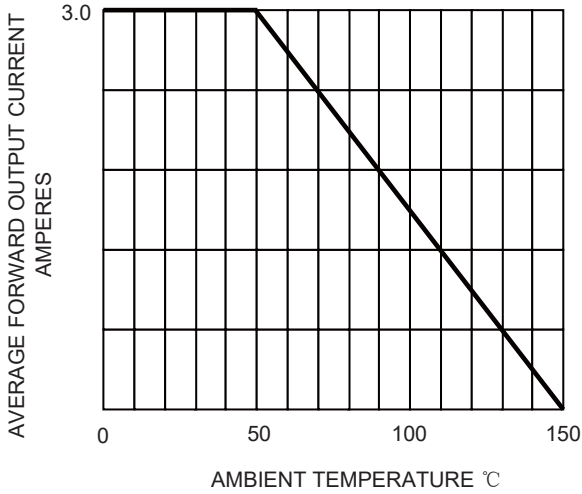


FIG.2-TYPICAL FORWARD CHARACTERISTICS

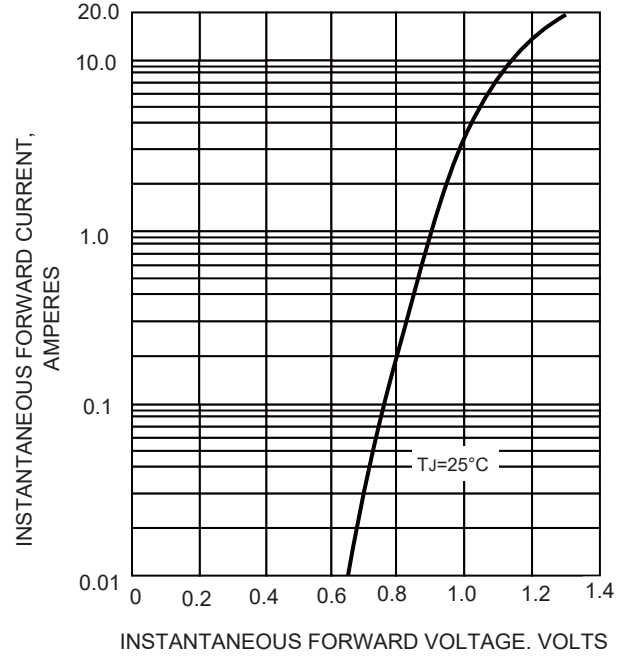


FIG.3-TYPICAL REVERSE CHARACTERISTICS

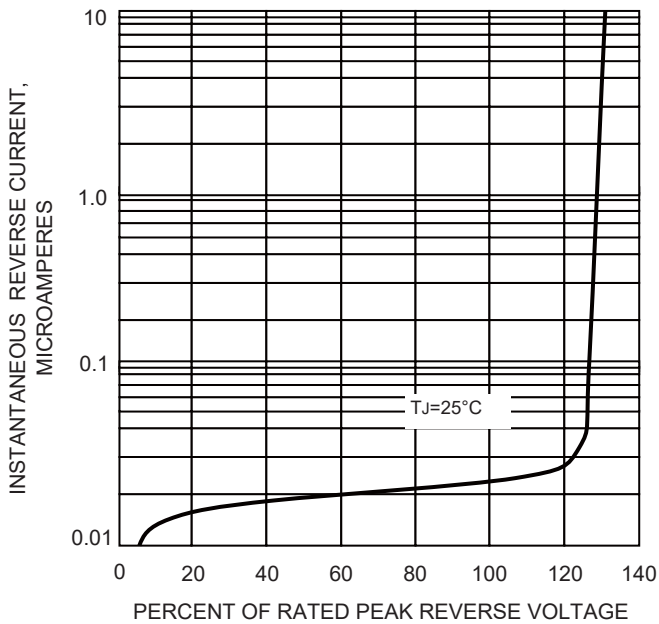


FIG.4-MAXIMUM FORWARD SURGE CURRENT

