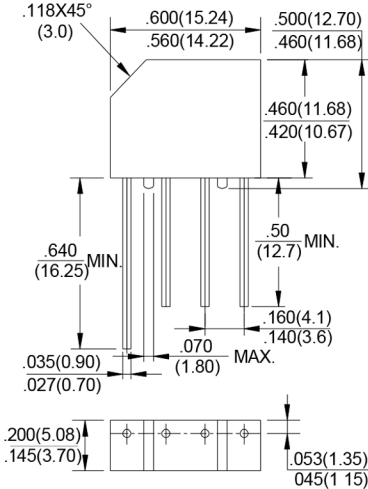


## KBP



## FEATURES

- ◆ Glass passivated chip
- ◆ High surge forward current capability

## MECHANICAL DATA

Case: Molded plastic body

Lead: Solder plated

Polarity: As marked

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Resistive or inductive load, 60HZ.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	KBP 2005	KBP 201	KBP 202	KBP 204	KBP 206	KBP 208	KBP 210	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	I(AV)	2.0							A
Peak Forward Surge Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	50							A
Maximum Forward Voltage Drop Per Bridge Element at 1.5A Peak	VF	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @TJ=100°C	IR	10.0							μA
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @TJ=100°C	IR	1.0							mA
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	TSTG	-55 to +150							°C

FIG.1-DERATING CURVE OUTPUT RECTIFIED CURRENT

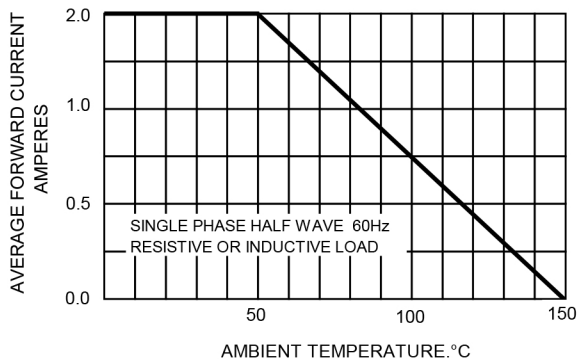


FIG.2-TYPICAL FORWARD CHARACTERISTICS

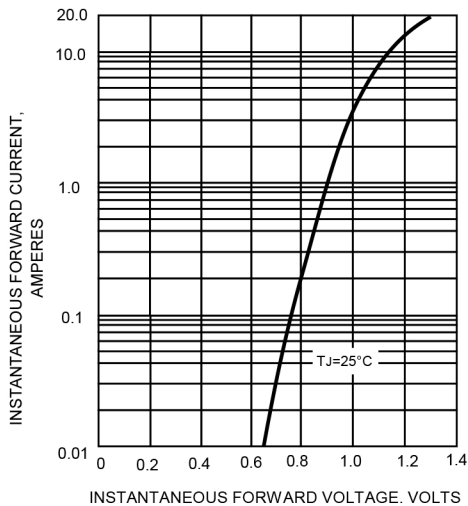


FIG.3-TYPICAL REVERSE CHARACTERISTICS

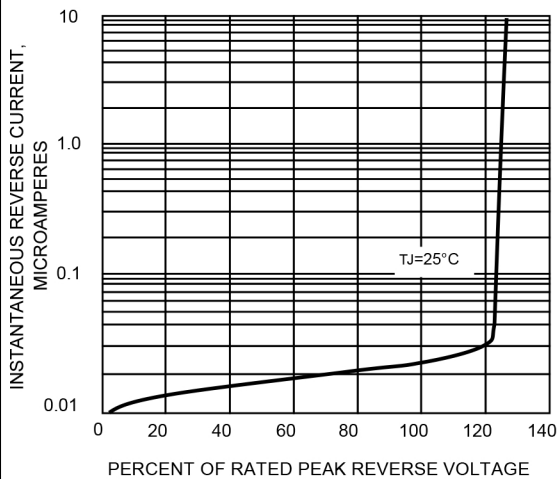


FIG.4-MAXIMUM FORWARD SURGE CURRENT

