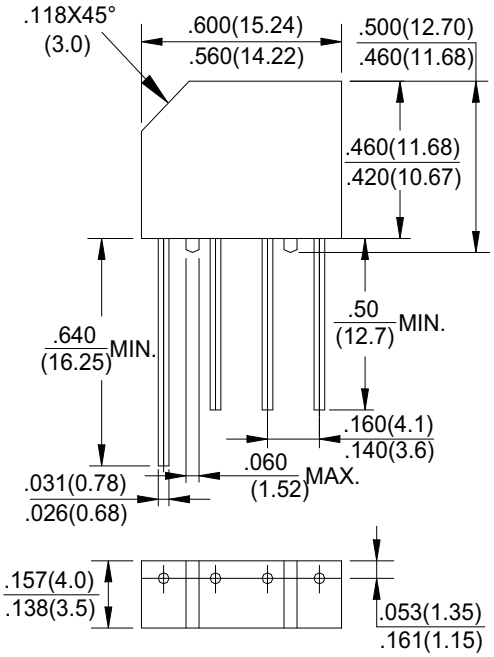
四川旭茂微科技有限公司
Sichuan xu mao micro technology co.,LTD

KBP301 thru KBP307



Dimensions in inches and (millimeters)

Package：KBP

GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - **50** to **1000**Volts

FORWARD CURRENT - **3.0**Amperes

FEATURES

- Surage overload rating -60 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory flammability classification 94V-0
- Mounting position :Any
- Weight: 0.07ounces ,1.95grams

MAXIMUM RATINGS AND ELECTRICALCHARACTERISTICS

Rating at 25℃ ambient temperature unless otherwise specified.

Resistive or inductive load,60HZ.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	KBP 301	KBP 302	KBP 303	KBP 304	KBP 305	KBP 306	KBP 307	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}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @T_A=50 ℃	$I_{(AV)}$	3.0							A
Peak Forward Surage Current , 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I_{FSM}	60							A
Maximum Forward Voltage Drop Per Bridge Element at 2.0A Peak	V_F	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element	I_R	10.0							uA
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @T_A=100℃	I_R	1.0							mA
Operating Temperature RangeT_J	T_J	-55 to +150							℃
Storage Temperature Range T_A	T_{STG}	-55 to +150							℃

KBP301 thru KBP307

GLASS PASSIVATED BRIDGE RECTIFIERS
RATING AND CHARACTERISTIC CURVES

FIG.1-DERATING CURVE
OUTPUT RECTIFIED CURRENT

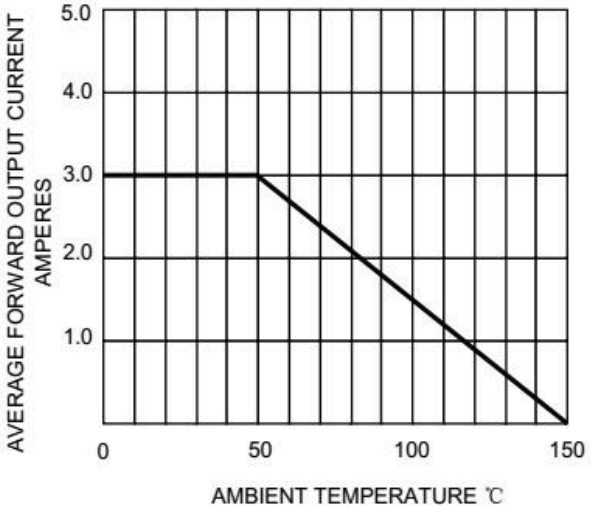


FIG.2-TYPICAL FORWARD
CHARACTERISTICS

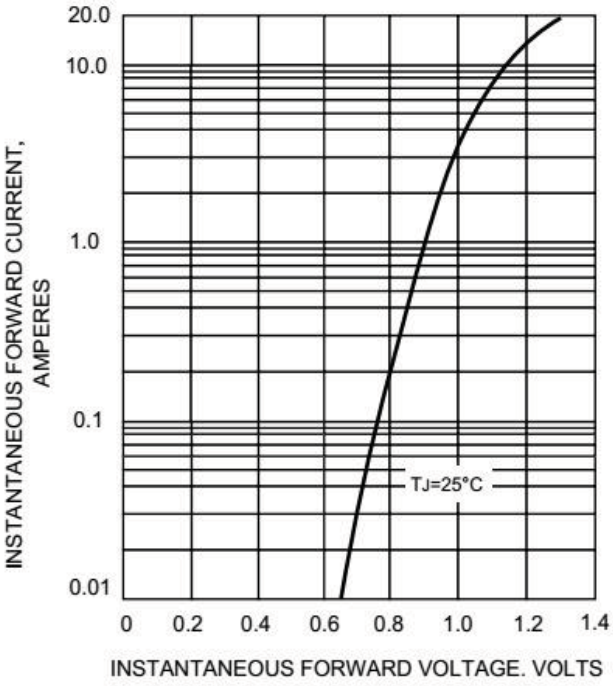


FIG.3-TYPIACL REVERSE CHARACTERISTICS

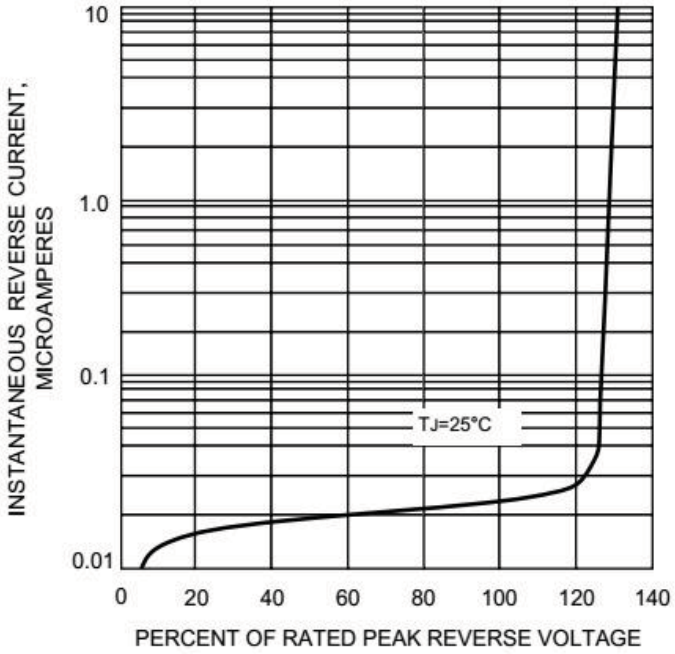


FIG.4-MAXIMUM FORWARD SURGE CURRENT