



KBP4005 thru KBP410

GLASS PASSIVATED BRIDGE RECTIFIERS
REVERSE VOLTAGE - 50 to 1000 Volts
FORWARD CURRENT - 3.0 Amperes

FEATURES

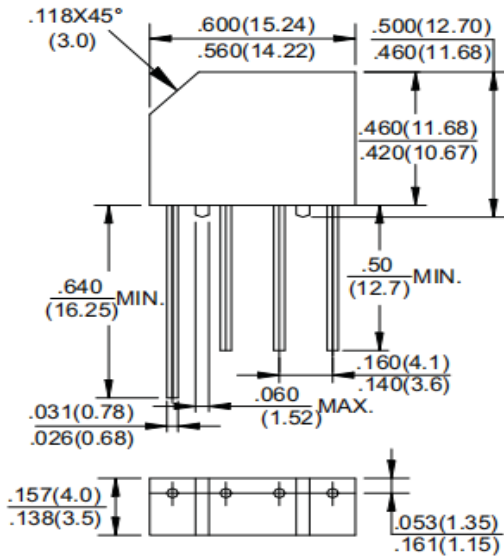
- surge overload rating -60 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory flameability classification 94V-0
- Mounting position :Any
- weight: 0.06ounces ,1.4grams

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%



Dimensions in inches and (millimeters)

Package: KBP

CHARACTERISTICS	SYMBOL	KBP 4005	KBP 401	KBP 402	KBP 404	KBP 406	KBP 408	KBP 410	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 @TA=50 °C	I <sub(av)< sub=""></sub(av)<>	4							A
Peak Forward surge Current , 8.3ms single Half sine-wave super Imposed on Rated Load	I _{FSM}	125							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 @TA=100°C	I _R	1.0							mA
operating Temperature Range T _J	T _J	-55 to +150							°C
storage Temperature Range T _A	T _{sTG}	-55 to +150							°C



GLASS PASSIVATED BRIDGE RECTIFIERS
RATING AND CHARACTERISTIC CURVES

FIG.1-MAXIMUM FORWARD SURGE CURRENT

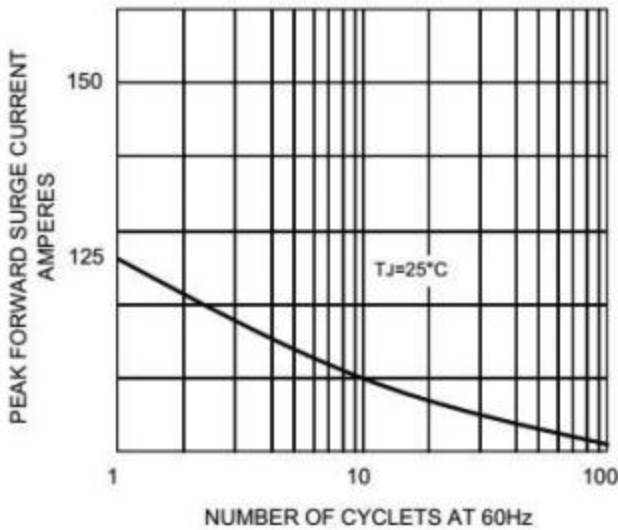


FIG.2-DERATING CURVE
OUTPUT RECTIFIED CURRENT

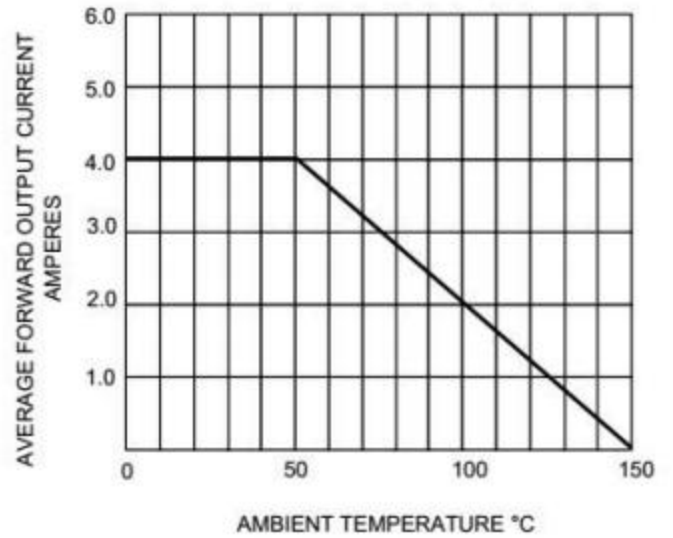


FIG.3-TYPICAL FORWARD CHARACTERISTICS

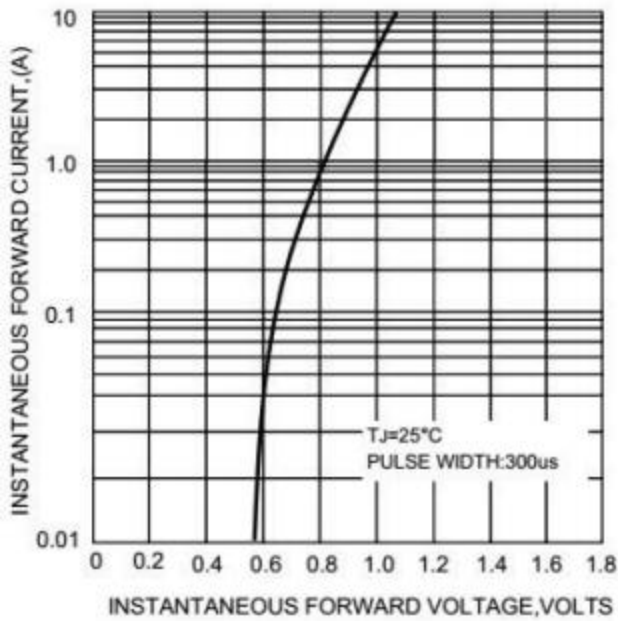
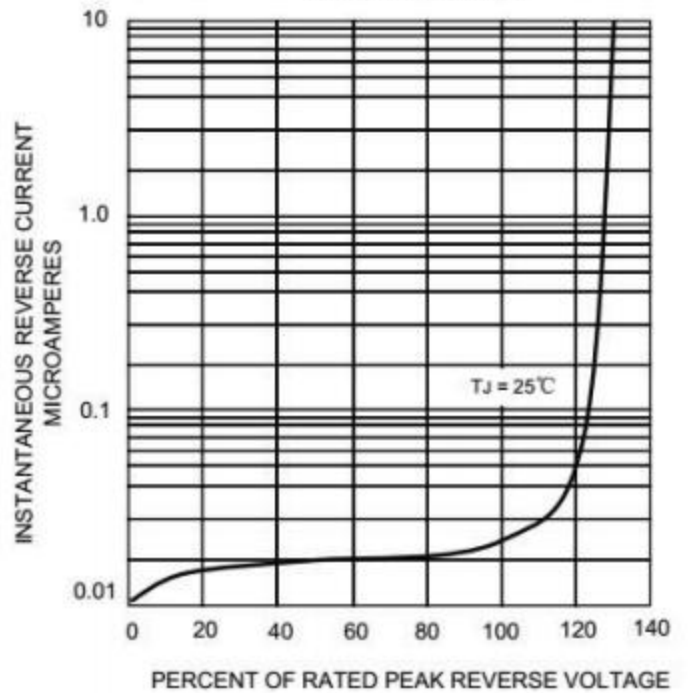


FIG.4- TYPICAL REVERSE CHARACTERISTICS





注意事项

1. 深圳市华天微电子有限公司的产品销售分为直销和销售代理，无论哪种方式，订货时请与公司核实。
2. 购买时请认清公司商标，如有疑问请与公司本部联系。
3. 在电路设计时请不要超过器件的绝对最大额定值，否则会影响整机的可靠性。
4. 本说明书如有版本变更不另外告知

NOTE

1. Shenzhen Huatianwei Electronics co., Ltd sales its product either through direct sales or sales agent , thus, for customers, when ordering , please check with our company.
2. We strongly recommend customers check carefully on the trademark when buying our product, if there is any question, please don't be hesitate to contact us.
3. Please do not exceed the absolute maximum ratings of the device when circuit designing.
4. Shenzhen Huatianwei Electronics co., Ltd reserves the right to make changes in this specification sheet and is subject to change without prior notice.

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