

KBPM2005G THRU KBPM210G

SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS

FEATURES:

- Rating to 1000V PRV
- Surge overload rating to 65 Amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Plastic material has U/L Flammability Classification 94V-0

MECHANICAL DATA

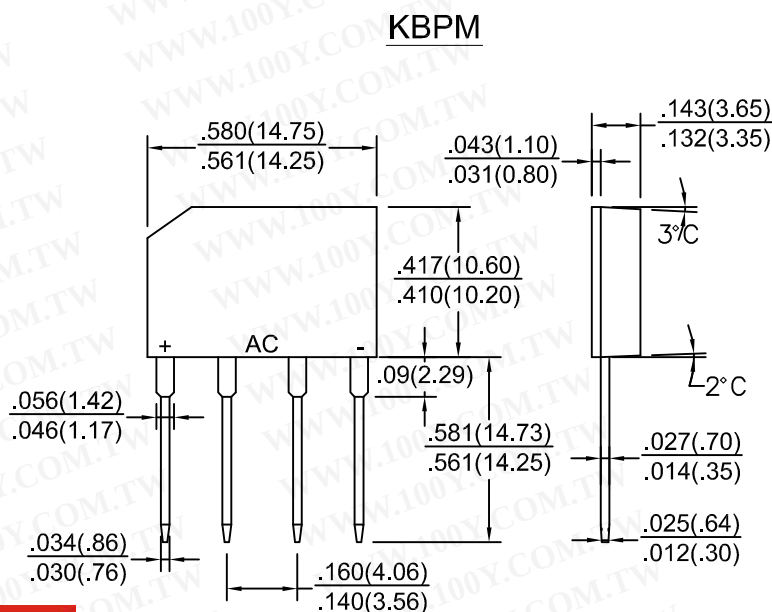
Terminals : Lead solderable per MIL-STD-202,

Method 208

Leads : Tin plated copper

Weight : 1.33 grams

Mounting Position : Any



Dimensions in inches and (millimeters)

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25° C ambient temp. unless otherwise specified.

Single phase, half sine wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20 %.

Characteristic	Symbol	KBPM 2005G	KBPM 201G	KBPM 202G	KBPM 204G	KBPM 206G	KBPM 208G	KBPM 210G	Units
Maximum recurrent peak reverse voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current at Ta=65° C	I _O	2.0							Amps
Peak forward surge current, 8.3ms single sine-wave superimposed on rated load(JEDEC Method)	I _{FSM}	65.0							Amps
Maximum DC forward voltage drop per leg at 2.0 A DC	V _F	1.1							Volts
Maximum DC reverse current at rated DC blocking voltage	I _R	5.0 500.0							μ A
Typical junction capacitance	C _j	25							pF
Typical thermal resistance	R _{th-JA}	14							° C/W
Operating and storage temperature range	T _j , T _{stg}	-55 to +150							° C

RATINGS AND CHARACTERISTIC CURVES KBPM2005G THRU KBPM210G

