

KBL601G THRU KBL610G

SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS

FEATURES:

- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High surge current capability

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)

MECHANICAL DATA

Case : Molded plastic

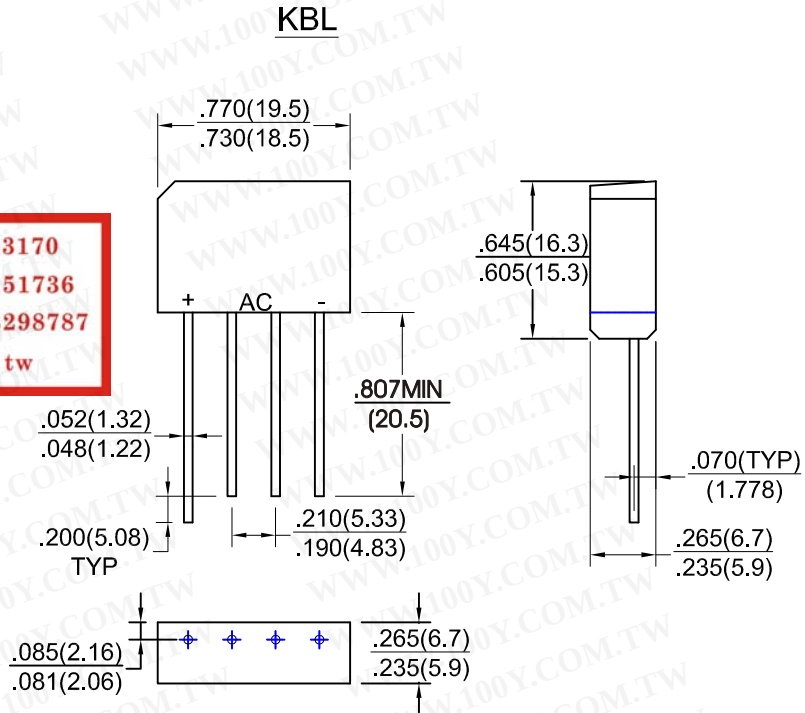
Terminals : Plated terminals, solderable per
MIL-STD-202F, Method 208

Polarity : Polarity symbols marked on body

Mounting Position : Any

Handling Precaution : None

Weight : 5.00 grams or 0.167 ounce per piece



Dimensions in inches and (millimeters)

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	KBL 601G	KBL 602G	KBL 603G	KBL 604G	KBL 606G	KBL 608G	KBL 610G	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=50° C	I _O	6.0							Amps
Peak forward surge current single half sine-wave on rated load	I _{FSM}	180							Amps
Maximum instantaneous forward voltage drop per leg at 6.0 A	V _F	1.1							Volts
Maximum DC reverse current at rated DC blocking voltage per leg Ta=25° C Ta=125° C	I _R	5.0 100							μ A
Operating junction and storage temperature range	T _j , T _{stg}	-55 to +150							° C

RATINGS AND CHARACTERISTIC CURVES KBL601G THRU KBL610G

