

KBU10005 THRU KBU1010

SINGLE PHASE SILICON BRIDGE RECTIFIERS

FEATURES:

- Plastic material used carries Underwriters Laboratory Flammability Classification 94V-0
- Ideal for printed circuit boards
- High forward surge current capability
- High temperature soldering guaranteed : 250° C/10 seconds, 0.375"(9.5mm)lead length, 5lbs. (2.3kg) tension

MECHANICAL DATA

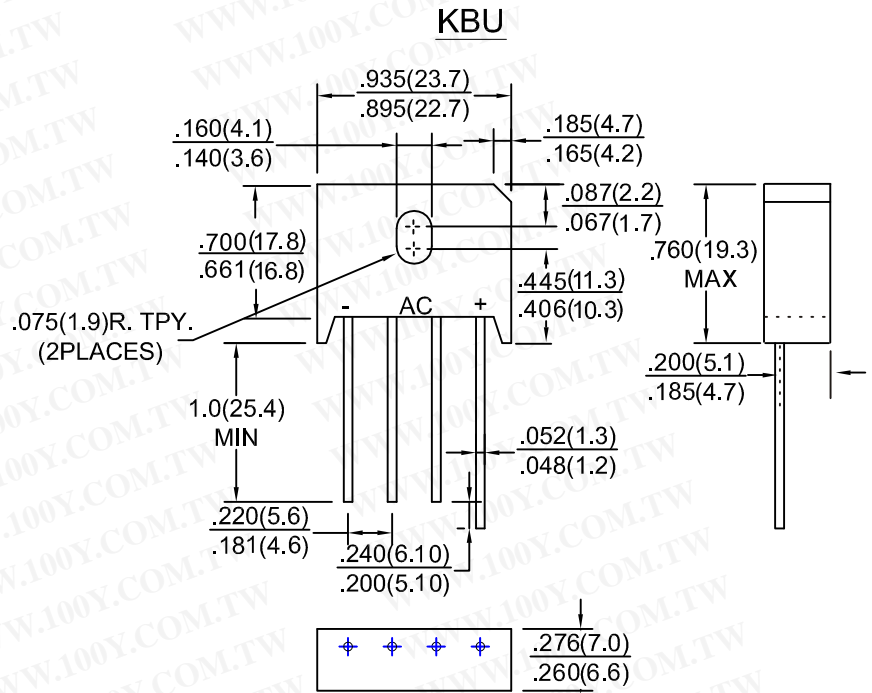
Case : Molded plastic body

Terminals : Plated lead solderable per MIL-STD-750, Method 2026

Mounting Position : Any

Mounting Torque : 5 in.-lb.max.

Weight : 0.268 ounce, 7.6 grams



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

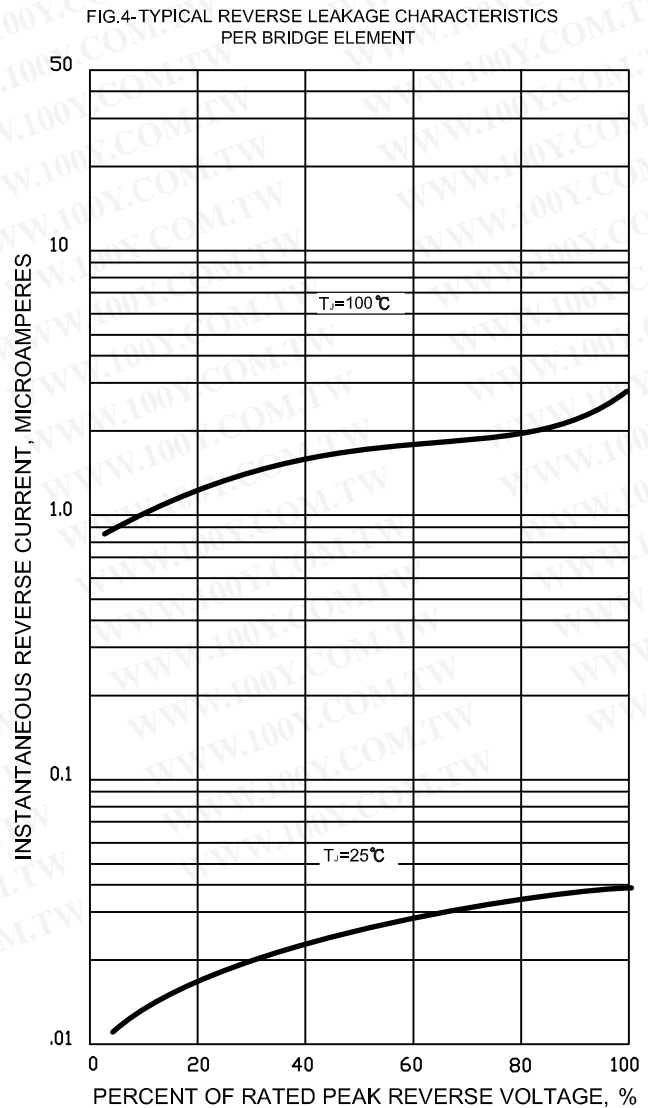
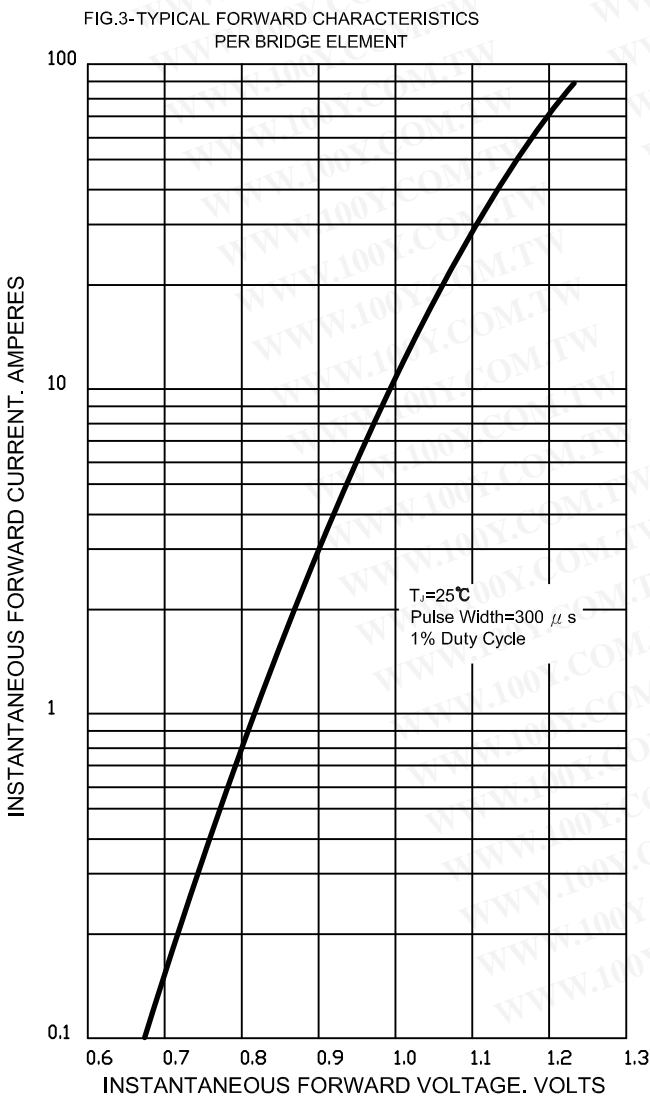
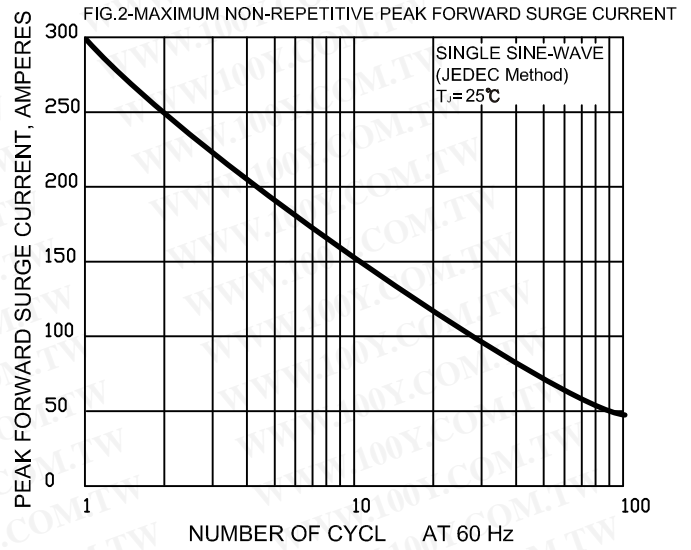
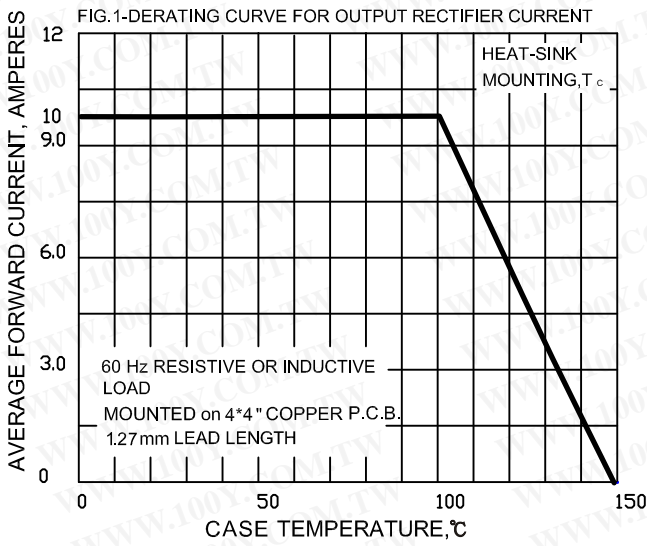
Single phase, half sine wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20 %.

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)

Characteristic	Symbol	KBU 10005	KBU 1001	KBU 1002	KBU 1004	KBU 1006	KBU 1008	KBU 1010	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 T _c =100° C	I _O	10							Amps
Peak forward surge current ,8.3ms single half sine-wave superimposed on rated load(JEDEC Method)	I _{FSM}	300							Amps
Maximum instantaneous forward voltage drop per leg at 10 A	V _F	1.05							Volts
Maximum DC reverse current at rated DC blocking voltage Ta=25° C Ta=100° C	I _R	10 500.0							μA
Operating junction and storage temperature range	T _j , T _{stg}	-55 to +150							°C/W

RATINGS AND CHARACTERISTIC CURVES KBU10005 THRU KBU1010



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