

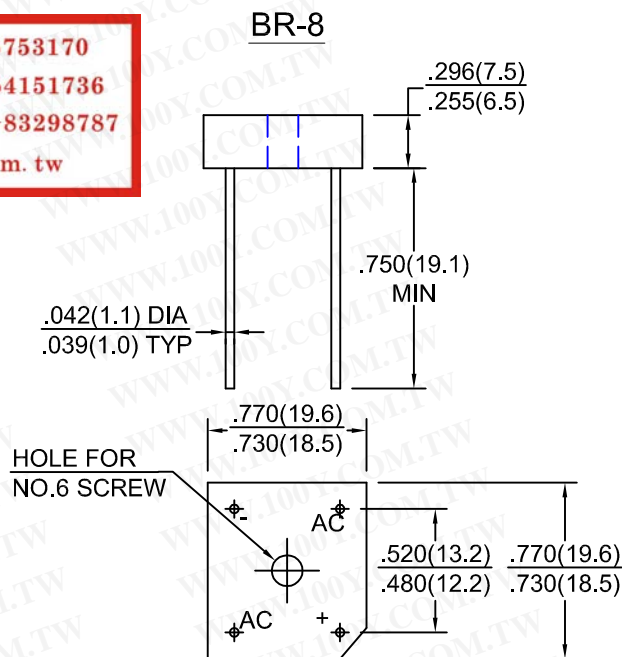
# BR805 THRU BR810

## SINGLE PHASE SILICON BRIDGE RECTIFIERS

### FEATURES:

- Low forward voltage drop
- Low leakage current
- Mounting : Hole thru for # 6 screw
- Mounting position : Any

**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)



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	BR 805	BR 81	BR 82	BR 84	BR 86	BR 88	BR 810	Units
Maximum recurrent peak reverse voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current .375"(9.5mm) lead length at T <sub>c</sub> =50° C	I <sub>O</sub>	8.0							Amps
Peak forward surge current ,8.3ms single half sine-wave superimposed on rated load(JEDEC Method)	I <sub>FSM</sub>	250							Amps
Maximum instantaneous forward voltage drop per bridge element at 4.0 A DC	V <sub>F</sub>	1.1							Volts
Maximum DC reverse current Ta=25° C at rated DC blocking voltage Ta=100° C	I <sub>R</sub>	10 200							μ A
Operating temperature range	T <sub>j</sub>	-65 to +125							° C
Storage temperature range	T <sub>stg</sub>	-65 to +150							° C

# RATINGS AND CHARACTERISTIC CURVES BR805 THRU BR810

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

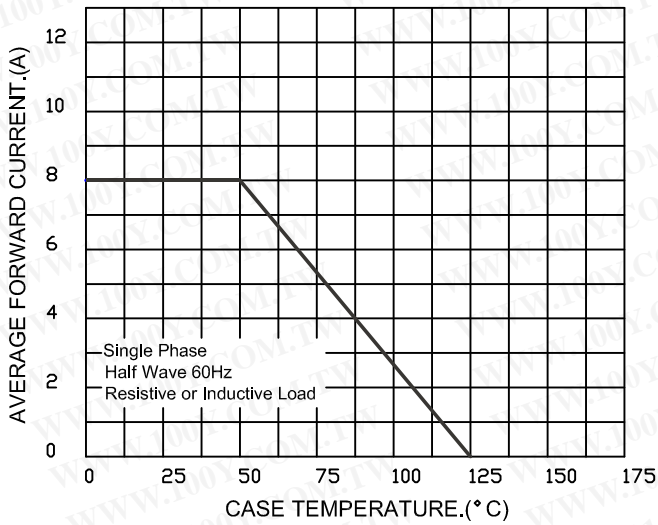


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

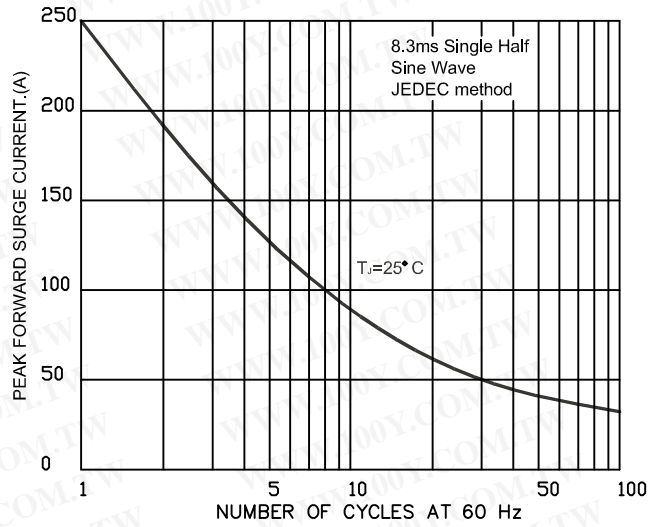


FIG.3-TYPICAL FORWARD CHARACTERISTICS

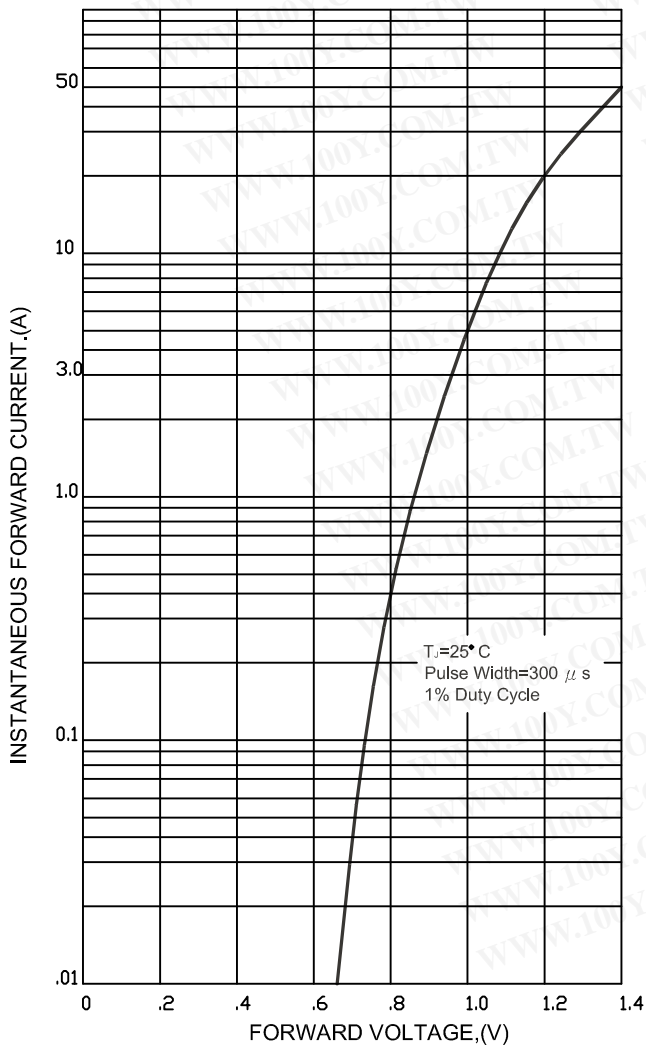
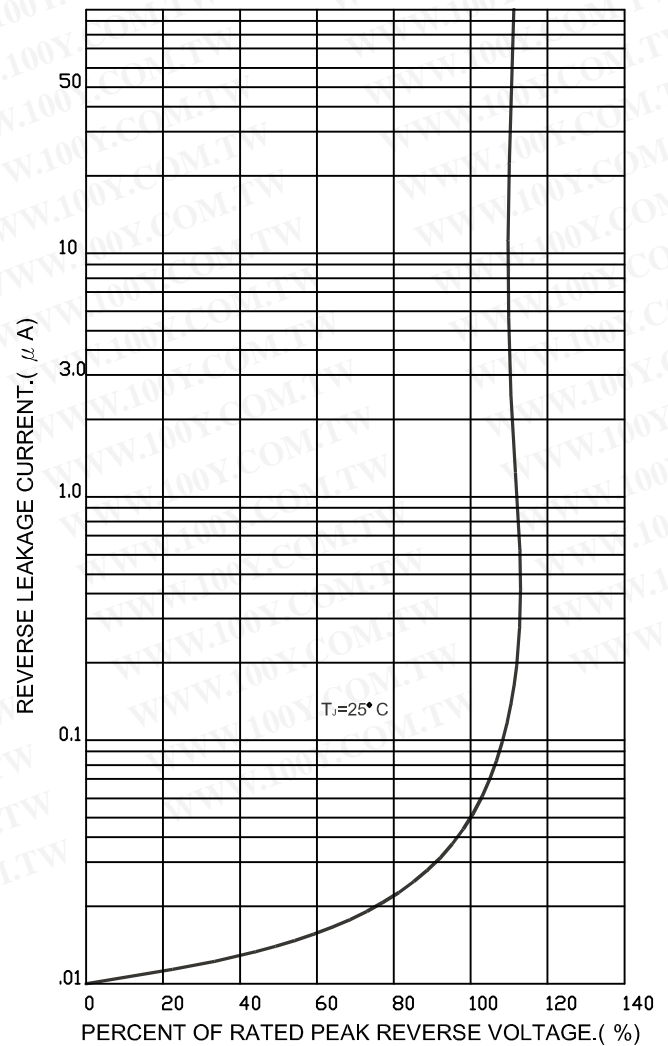


FIG.4-TYPICAL REVERSE CHARACTERISTICS



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