

BR605 THRU BR610

SINGLE PHASE SILICON BRIDGE RECTIFIERS

FEATURES:

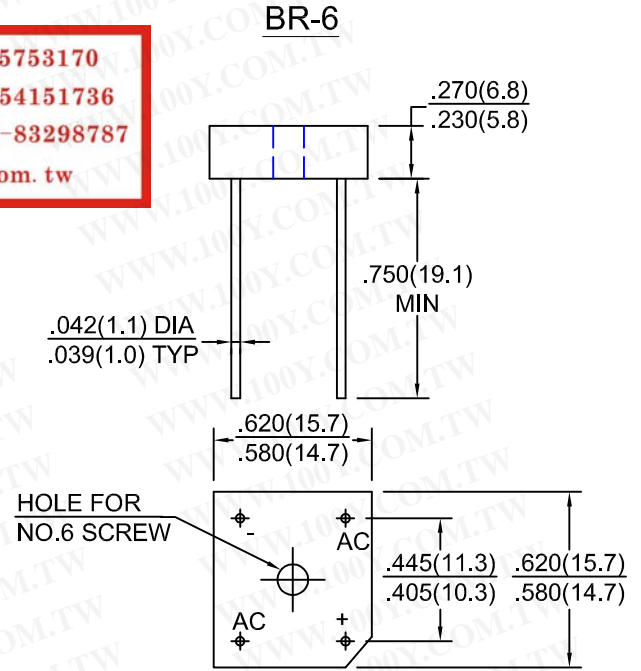
- Low forward voltage drop
- Low leakage current
- Mounting : Hole thru for # 6 screw
- Mounting position : Any

MECHANICAL DATA

Case : Molded plastic body

Lead : As marked

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 605	BR 61	BR 62	BR 64	BR 66	BR 68	BR 610	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 .375"(9.5mm) lead length at T _c =75° C	I _O	6.0							Amps
Peak forward surge current ,8.3ms single half sine-wave superimposed on rated load(JEDEC Method)	I _{FSM}	200							Amps
Maximum instantaneous forward voltage drop per bridge element at 3.0 A DC	V _F	1.0							Volts
Maximum DC reverse current T _a =25° C at rated DC blocking voltage T _a =100° C	I _R	10 200							μ A
Operating temperature range	T _j	-65 to +125							° C
Storage temperature range	T _{stg}	-65 to +150							° C

RATINGS AND CHARACTERISTIC CURVES BR605 THRU BR610

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

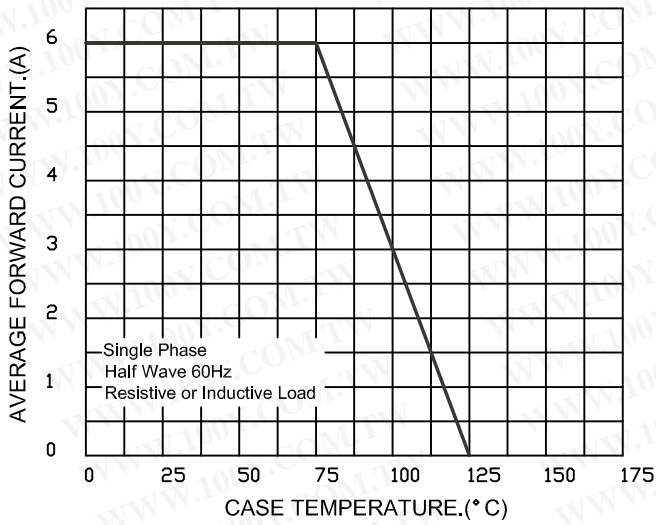


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

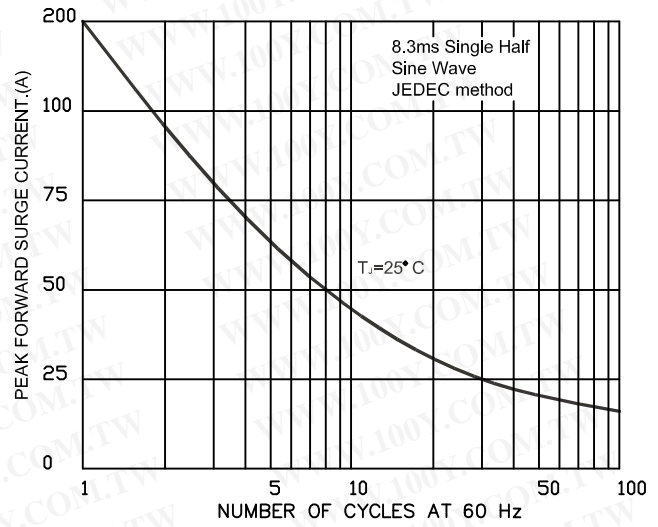


FIG.3-TYPICAL FORWARD CHARACTERISTICS

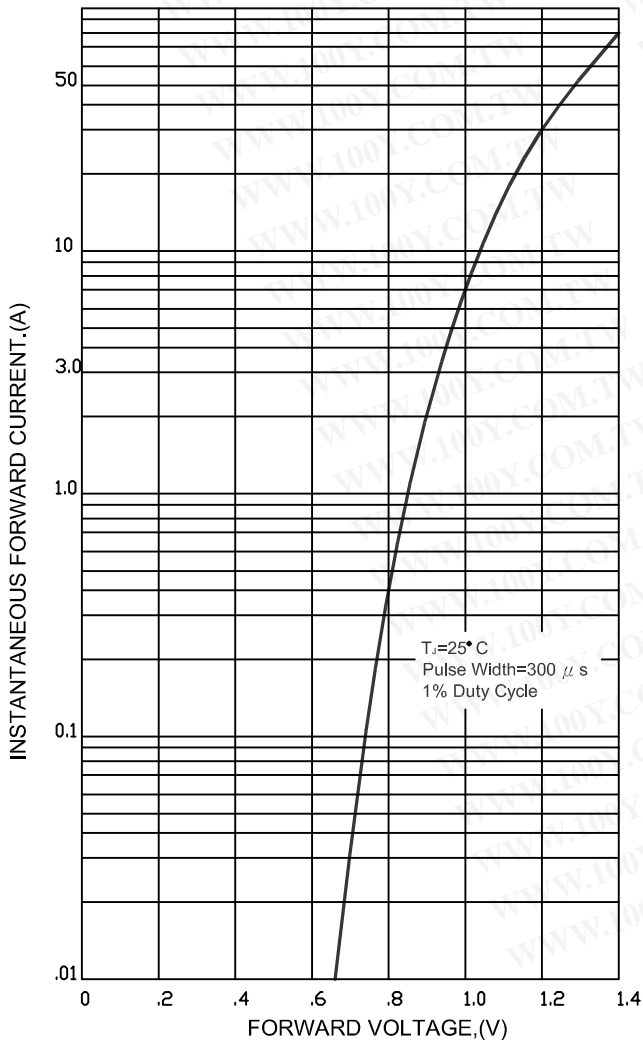


FIG.4-TYPICAL REVERSE CHARACTERISTICS

