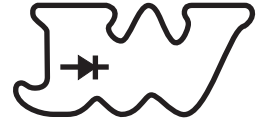
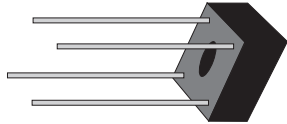


# BR805 THRU BR810



SINGLE PHASE 8.0 AMP BRIDGE RECTIFIERS



## FEATURES

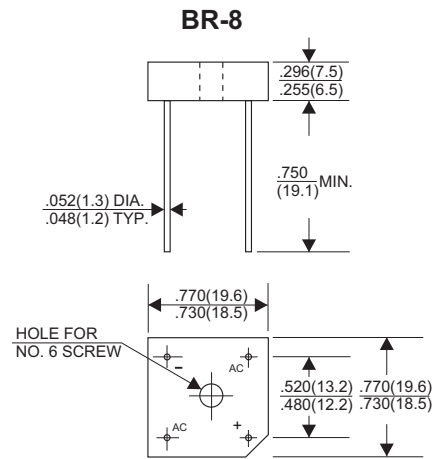
- \* Low forward voltage
- \* Low leakage current
- \* Mounting: Hole thru for #6 screw
- \* Mounting position: Any

## VOLTAGE RANGE

50 to 1000 Volts

## CURRENT

8.0 Amperes



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.  
Single phase half wave, 60Hz, resistive or inductive load.  
For capacitive load, derate current by 20%.

TYPE NUMBER	BR805	BR81	BR82	BR84	BR86	BR88	BR810	UNITS	
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V	
Maximum Average Forward Rectified Current									
.375" (9.5mm) Lead Length at Tc=50°C								8.0	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)								125	A
Maximum Forward Voltage Drop per Bridge Element at 4.0A D.C.								1.1	V
Maximum DC Reverse Current Ta=25°C								10	μA
at Rated DC Blocking Voltage Ta=100°C								200	μA
Typical Thermal Resistance R <sub>JC</sub> (Note)								4.2	°C/W
Operating Temperature Range T <sub>J</sub>								-65 — +125	°C
Storage Temperature Range T <sub>STG</sub>								-65 — +150	°C

**NOTE:** Thermal Resistance Junction to Case.

## RATING AND CHARACTERISTIC CURVES (BR805 THRU BR810)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

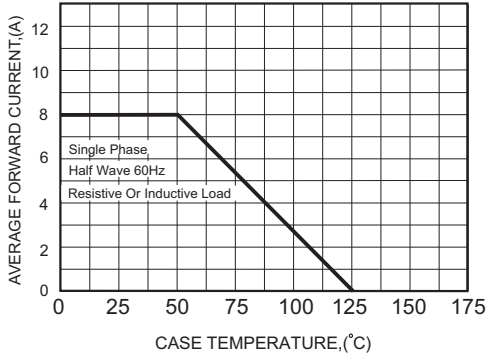


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

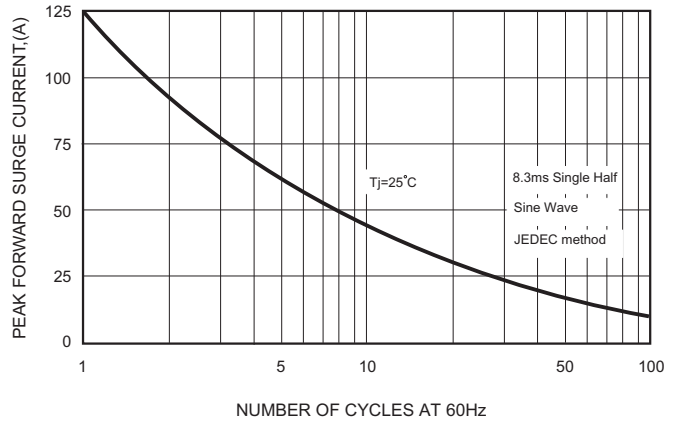


FIG.3-TYPICAL FORWARD CHARACTERISTICS

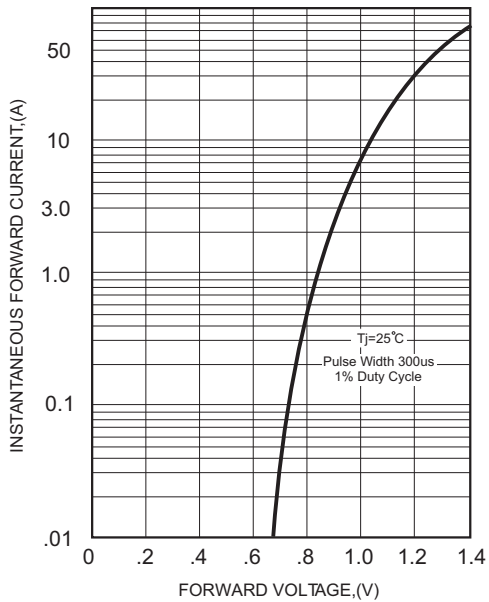


FIG.4-TYPICAL REVERSE CHARACTERISTICS

