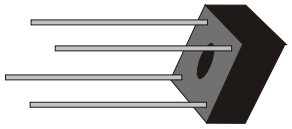
# BR805 THRU BR810

SINGLE PHASE 8.0 AMP BRIDGE RECTIFIERS

GW



## FEATURES

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

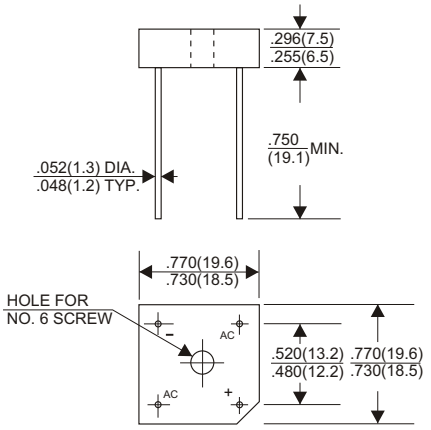
VOLTAGE RANGE

50 to 1000 Volts

CURRENT

8.0 Amperes

**BR-8**




Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25˚C ambient temperature uniess otherwies 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 |
| Operating Temperature Range, $T_J$ | -65 — +125 | | | | | | | ˚C |
| Storage Temperature Range, $T_{STG}$ | -65 — +150 | | | | | | | ˚C |

# RATING AND CHARACTERISTIC CURVES (BR805 THRU BR810)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

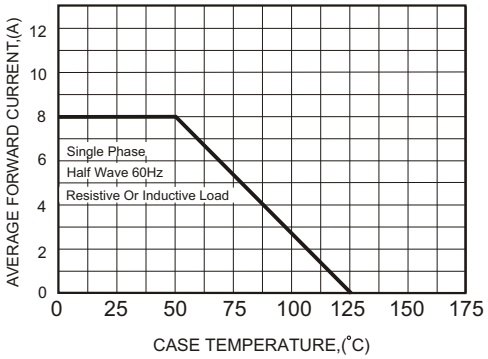



FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

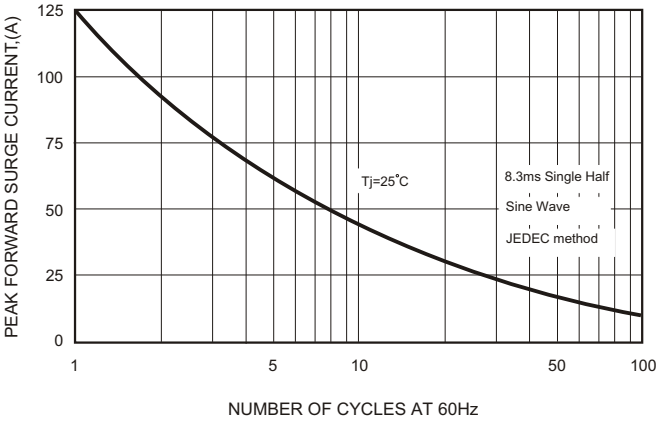



FIG.3-TYPICAL FORWARD CHARACTERISTICS

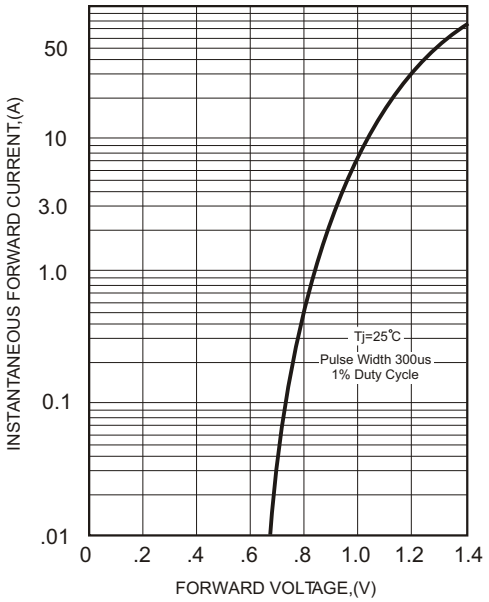



FIG.4-TYPICAL REVERSE CHARACTERISTICS

