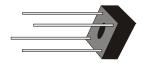
# **BR305** THRU **BR310**



#### SINGLE PHASE 3.0 AMP BRIDGE RECTIFIERS



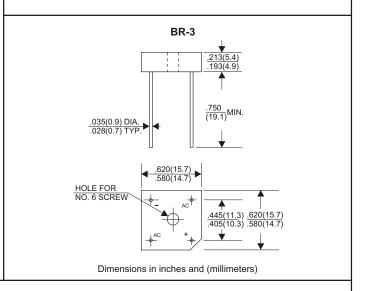
## VOLTAGE RANGE 50 to 1000 Volts

CURRENT

3.0 Ampere

### **FEATURES**

- \* Ideal for printed circuit board
- \* Low forward voltage
- \* Low leakage current
- \* Mounting: Hole thru for #6 screw
- \* Mounting position: Any
- \* Weight: 3.36 grams



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

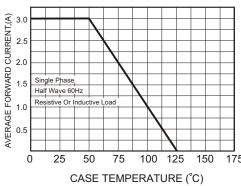
Rating 25°C ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER		BR305	BR31	BR32	BR34	BR36	BR38	BR310	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		3.0							Α
Peak Forward Surge Current, 8.3 ms single half sine-wave									
superimposed on rated load (JEDEC method)		50							Α
Maximum Forward Voltage Drop per Bridge Element at 1.5A D.C.		1.0							V
Maximum DC Reverse Current Ta=25°C		10							μА
at Rated DC Blocking Voltage Ta=100°C		100							μА
Operating Temperature Range, TJ		-65—+125							°C
Storage Temperature Range, Tsтg		-65 —+150							°C

#### RATING AND CHARACTERISTIC CURVES (BR305 THRU BR310)

DERATING CURVE

FIG.1-TYPICAL FORWARD CURRENT





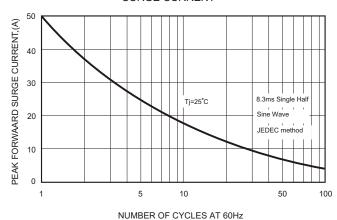
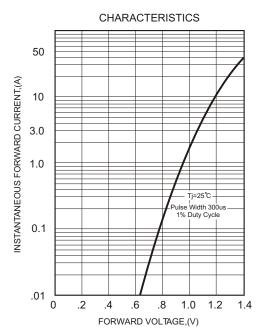


FIG.3-TYPICAL FORWARD



## FIG.4-TYPICAL REVERSE

