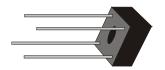
BR805 THRU BR810



SINGLE PHASE 8.0 AMP BRIDGE RECTIFIERS



VOLTAGE RANGE

50 to 1000 Volts

CURRENT

8.0 Amperes

FEATURES

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

1.052(1.3) DIA. .052(1.3) DIA. .048(1.2) TYP. ## 1.770(19.6) .770(19.6) .730(18.5) ## 1.520(13.2) .770(19.6) .8480(12.2) .730(18.5) ## 1.520(13.2) .770(19.6) ## 1.520(13.2) .770(19.6) ## 1.520(13.2) .770(19.6) ## 1.520(13.2) .770(19.6) ## 1.520(13.2) .730(18.5)

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		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							Α
Peak Forward Surge Current, 8.3 ms single half sine-wave									
superimposed on rated load (JEDEC method)		125							Α
Maximum Forward Voltage Drop per Bridge Element at 4.0A D.C.		1.1							V
Maximum DC Reverse Current Ta=25°C		10							μА
at Rated DC Blocking Voltage Ta=100°C		200							μА
Operating Temperature Range, TJ		-65—+125							°C
Storage Temperature Range, Tsтg		-65 —+150							°C

RATING AND CHARACTERISTIC CURVES (BR805 THRU BR810)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

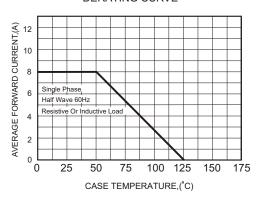


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

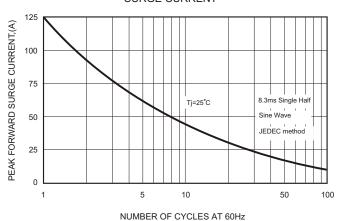


FIG.3-TYPICAL FORWARD

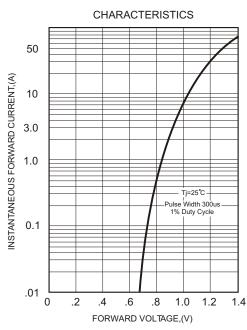


FIG.4-TYPICAL REVERSE

