## **BR805** THRU **BR810** FMS SINGLE PHASE 8.0 AMP BRIDGE RECTIFIERS **VOLTAGE RANGE** 50 to 1000 Volts **CURRENT** 8.0 Amperes **BR-8 FEATURES** .296(7.5) \* Low forward voltage \* Low leakage current .<u>750</u> (19.1)<sup>MIN.</sup> .052(1.3) DIA. .048(1.2) TYP. \* Mounting: Hole thru for #6 screw \* Mounting position: Any .770(19.6) .730(18.5) HOLE FOR -<del>|</del> .520(13.2) .480(12.2) .770(19.6) .730(18.5) ↓ AC ★ Dimensions in inches and (millimeters) 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							A
Peak Forward Surge Current, 8.3 ms single half sine-wave									
superimposed on rated load (JEDEC method)		125							А
Maximum Forward Voltage Drop per Bridge Element at 4.0A D.C.		1.1							V
Maximum DC Reverse Current	Ta=25°C				10				mA
at Rated DC Blocking Voltage Ta=100°C		200							mA
Operating Temperature Range, TJ		-65—+125							°C
Storage Temperature Range, Tsтс		-65-+150							°C

