

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℃	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℃	10						μA	
at Rated DC Blocking Voltage Ta=100°C	200							μA
Operating Temperature Range, TJ	-65+125						°C	
Storage Temperature Range, Tsrc	-65-+150							°C

