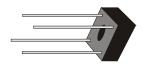
BR305 THRU BR310



SINGLE PHASE 3.0 AMP BRIDGE RECTIFIERS



VOLTAGE RANGE

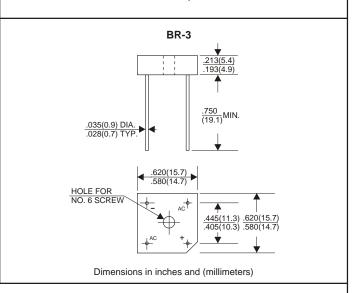
50 to 1000 Volts

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

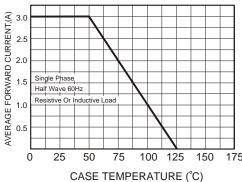
Rating 25°C ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

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						mA	
at Rated DC Blocking Voltage Ta=100°C	100							mA
Operating Temperature Range, TJ	-65 — +125						°C	
Storage Temperature Range, Tstg		-65 —+150						

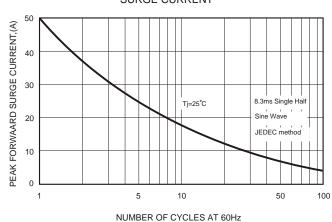
RATING AND CHARACTERISTIC CURVES (BR305 THRU BR310)

DERATING CURVE

FIG.1-TYPICAL FORWARD CURRENT







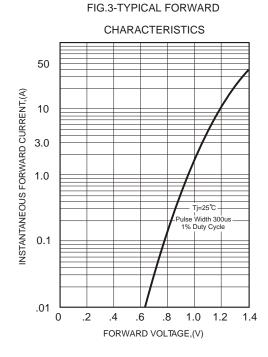


FIG.4-TYPICAL REVERSE

