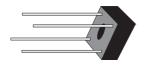
BR305 THRU BR310



SINGLE PHASE 3.0 AMP BRIDGE RECTIFIERS

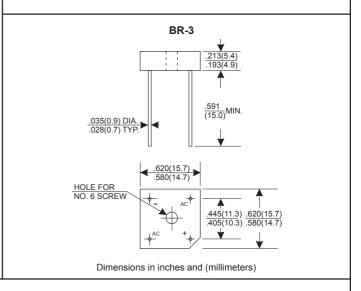


FEATURES

- * Ideal for printed circuit board
- * Low forward voltage
- * Low leakage current
- * Mounting: Hole thru for #6 screw
- * Mounting position: Any
- * Weight: 3.36 grams
- * Both normal and Pb free product are available:
- * Normal:80~95%Sn,5~20%Pb
- * Pb free:99 Sn above can meet Rohs enviroment substance directive request

VOLTAGE RANGE 50 to 1000 Volts CURRENT





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 3A D.C.		1.1							V
Maximum DC Reverse Current Ta=25 ℃		10							μΑ
at Rated DC Blocking Voltage Ta=100°C		100							μΑ
Operating Temperature Range, TJ		-65 — +150							°C
Storage Temperature Range, Tsтс		-65 — +150							°C

RATING AND CHARACTERISTIC CURVES (BR305 THRU BR310)

DERATING CURVE 2.5 2.0 Single Phase

AVERAGE FORWARD CURRENT,(A)

0.5

ō

Half Wave 60Hz

Resistive Or Inductive Load

50

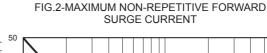
FIG.1-TYPICAL FORWARD CURRENT

100 CASE TEMPERATURE ($^{\circ}$ C)

125

150

75



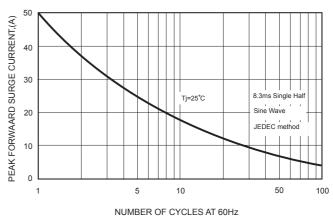


FIG.3-TYPICAL FORWARD

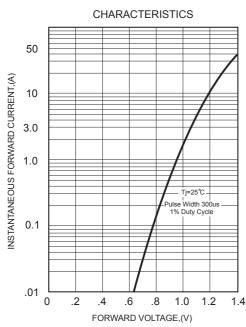


FIG.4-TYPICAL REVERSE

