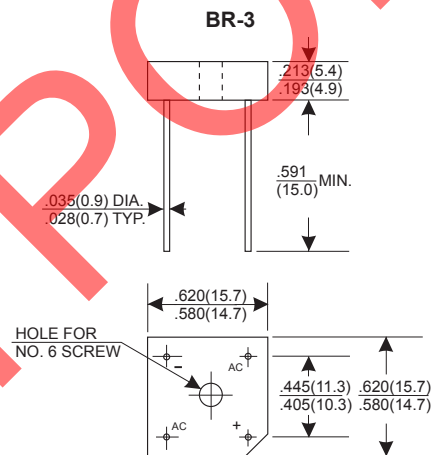


A diagram showing a grey rectangular block with a circular hole on its front face. Four horizontal pins are shown, with their ends inserted into the hole. The pins are of varying lengths, with the second pin from the top being the longest and the others being shorter.

- * 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

3.0 Ampere



Dimensions in inches and (millimeters)

Rating 25°C ambient temperature unless otherwise 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								A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	50							A
Maximum Forward Voltage Drop per Bridge Element at 3A D.C.	1.1							V
Maximum DC Reverse Current Ta=25°C	10							μA
at Rated DC Blocking Voltage Ta=100°C	100							μA
Operating Temperature Range, Tj	-65 — +150							°C
Storage Temperature Range, Tstg	-65 — +150							°C

RATING AND CHARACTERISTIC CURVES (BR305 THRU BR310)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

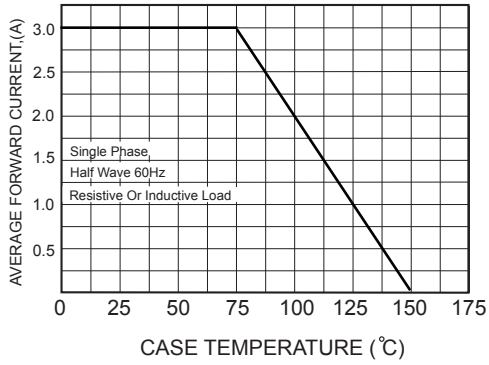


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

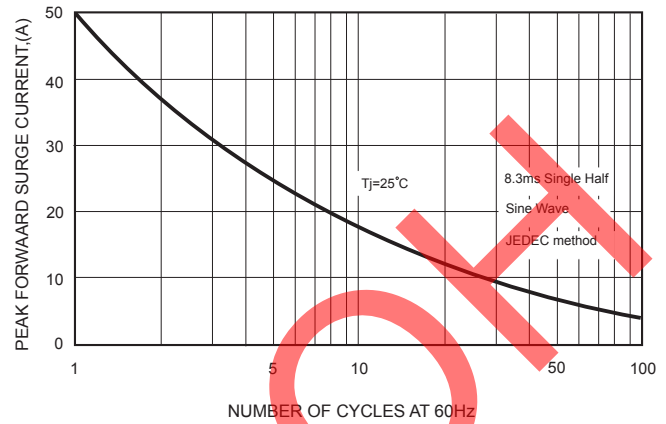


FIG.3-TYPICAL FORWARD CHARACTERISTICS

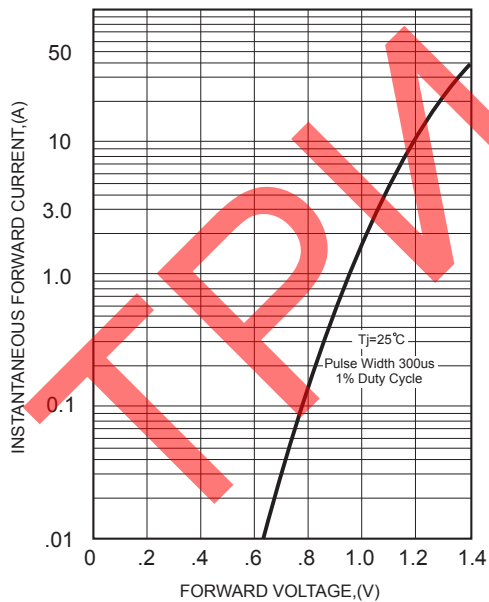


FIG.4-TYPICAL REVERSE CHARACTERISTICS

