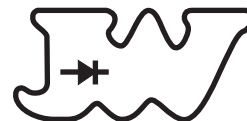
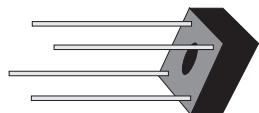


BR305 THRU BR310

KBPC1005 THRU KBPC1010



SINGLE PHASE 3.0 AMP BRIDGE RECTIFIERS



FEATURES

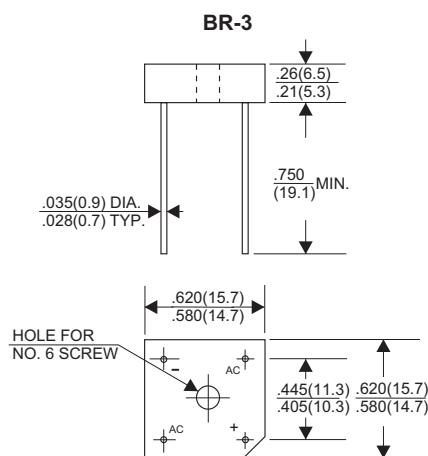
- * Ideal for printed circuit board
- * Low forward voltage
- * Low leakage current
- * Mounting: Hole thru for #6 screw
- * Mounting position: Any
- * Weight: 3.36 grams

VOLTAGE RANGE

50 to 1000 Volts

CURRENT

3.0 Ampere



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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	BR 305	BR 31	BR 32	BR 34	BR 36	BR 38	BR 310	UNITS	
	KBPC1005	KBPC101	KBPC102	KBPC104	KBPC106	KBPC108	KBPC1010		
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	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 1.5A D.C.								1.0	V
Maximum DC Reverse Current								10	μA
at Rated DC Blocking Voltage								100	μA
Operating Temperature Range, Tj								-65 — +125	°C
Storage Temperature Range, Tstg								-65 — +150	°C

RATING AND CHARACTERISTIC CURVES (BR 305 THRU BR 310)
(KBPC1005 THRU KBPC1010)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

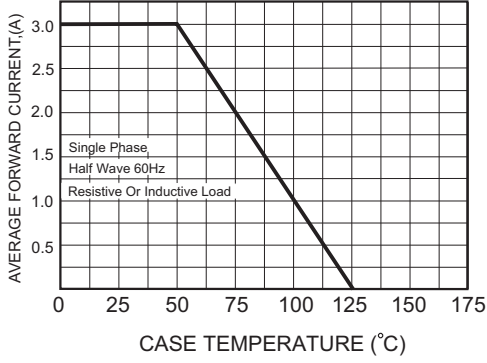


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

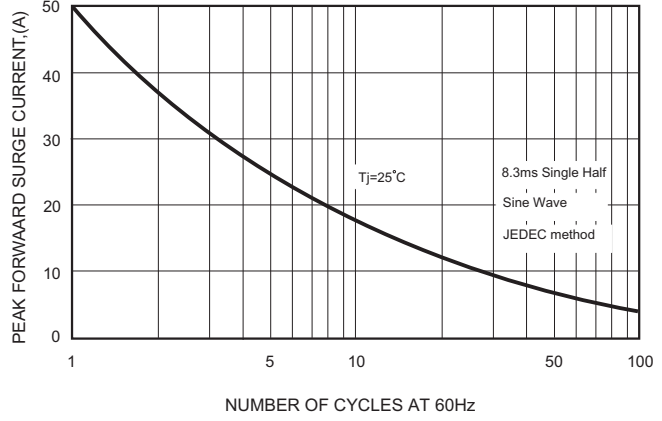


FIG.3-TYPICAL FORWARD CHARACTERISTICS

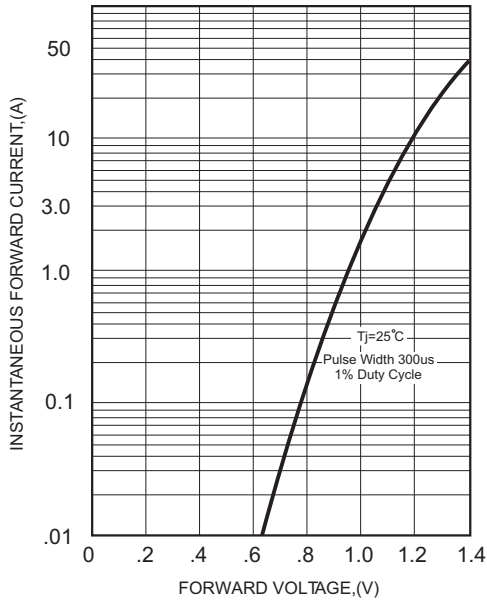


FIG.4-TYPICAL REVERSE CHARACTERISTICS

