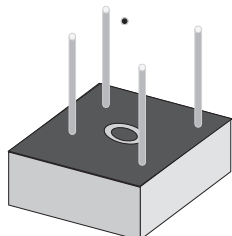


KBPC50005W THRU KBPC5010W

SINGLE PHASE 50 AMP BRIDGE RECTIFIERS



FEATURES

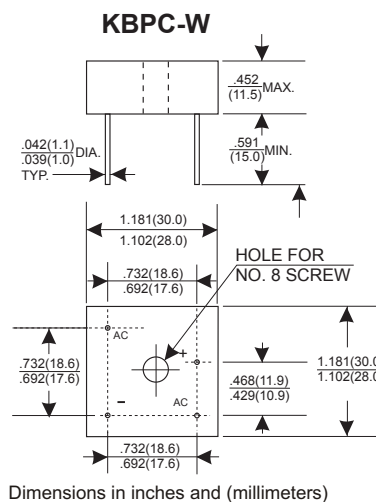
- * Superior thermal design
- * 400 amperes surge capability
- * Mounting: Hole thru for #8 screw
- * 1/4" universal faston terminal
- * Lead Free Finish/RoHS Compliant

VOLTAGE RANGE

50 to 1000 Volts

CURRENT

50.0 Ampere



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	KBPC50005W	KBPC5001W	KBPC5002W	KBPC5004W	KBPC5006W	KBPC5008W	KBPC5010W	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=55°C	50							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	500							A
Maximum Forward Voltage Drop per Bridge Element at 25.0 A D.C.	1.1							V
Maximum DC Reverse Current Ta=25°C	10							uA
at Rated DC Blocking Voltage Ta=100°C	500							uA
Operating Temperature Range, Tc	-55 — +125							°C
Storage Temperature Range, Ta	-55 — +150							°C

RATING AND CHARACTERISTIC CURVES (KBPC50005W THRU KBPC5010W)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

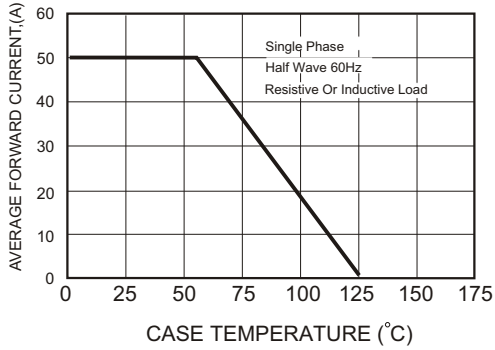


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

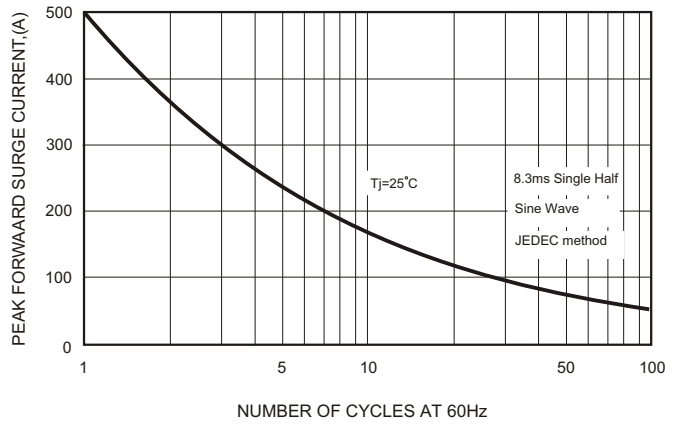


FIG.3-TYPICAL FORWARD CHARACTERISTICS

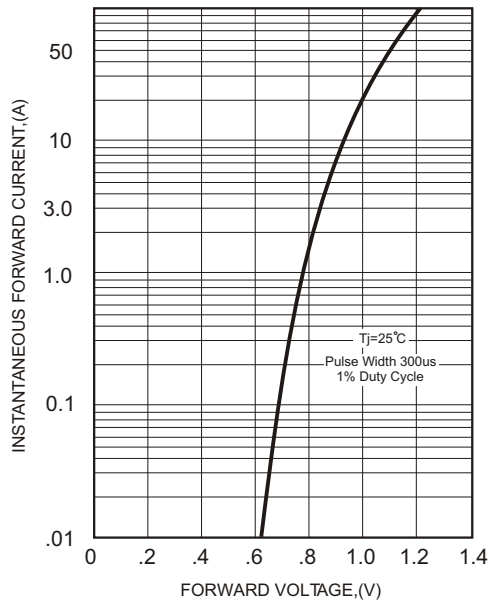


FIG.4-TYPICAL REVERSE CHARACTERISTICS

