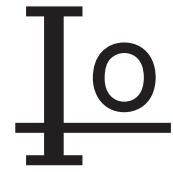
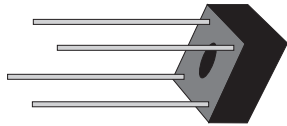


KBPC1005 THRU KBPC1010



SINGLE PHASE 10 AMP BRIDGE RECTIFIERS



FEATURES

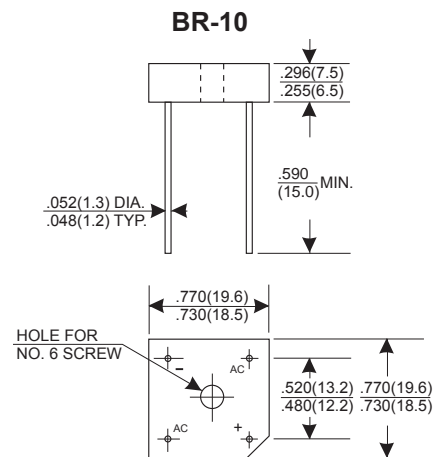
- * Low forward voltage
- * Low leakage current
- * Mounting: Hole thru for #6 screw
- * Mounting position: Any
- * Weight: 5.02grams
- * Lead Free Finish/RoHS Compliant

VOLTAGE RANGE

50 to 1000 Volts

CURRENT

10.0 Amperes



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	KBPC1005	KBPC101	KBPC102	KBPC104	KBPC106	KBPC108	KBPC1010	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								10	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)								200	A
Maximum Forward Voltage Drop per Bridge Element at 5.0A D.C.								1.0	V
Maximum DC Reverse Current Ta=25°C								10	μA
at Rated DC Blocking Voltage Ta=100°C								200	μA
Operating Temperature Range, Tj								-65 — +125	°C
Storage Temperature Range, Tstg								-65 — +150	°C

RATING AND CHARACTERISTIC CURVES (KBPC1005 THRU KBPC1010)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

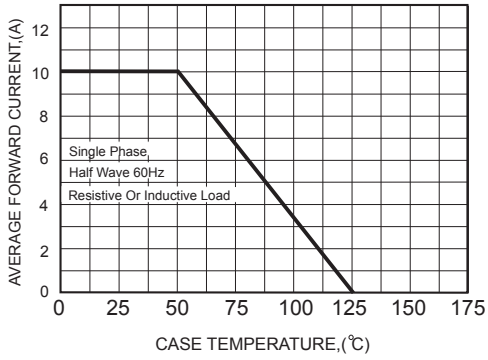


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

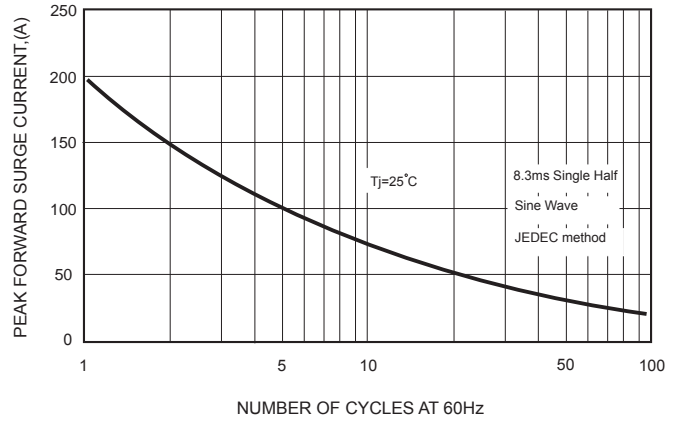


FIG.3-TYPICAL FORWARD CHARACTERISTICS

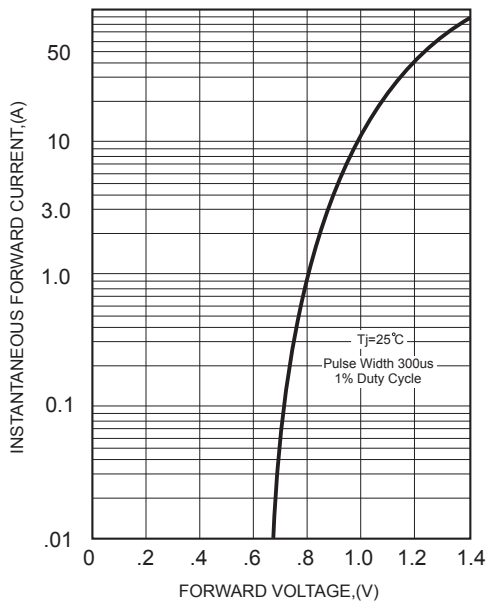


FIG.4-TYPICAL REVERSE CHARACTERISTICS

