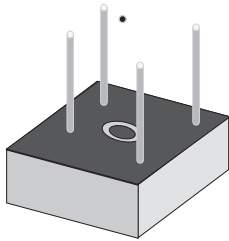


KBPC15005W THRU KBPC1510W



SINGLE PHASE BRIDGE RECTIFIERS



FEATURES

- * Superior thermal design
- * 300 amperes surge capability
- * Mounting: Hole thru for #8 screw
- * Both normal and Pb free product are available:
- * Normal: 80~95%Sn, 5~20%Pb
- * Pb free: 99 Sn above can meet Rohs environment substance directive request

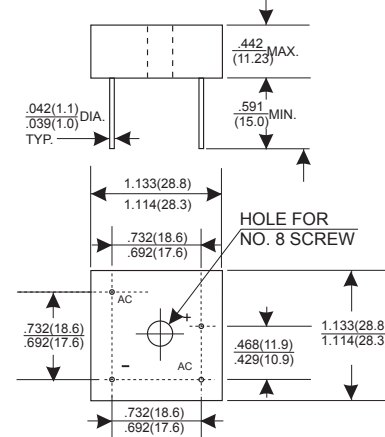
VOLTAGE RANGE

50 to 1000 Volts

CURRENT

15.0 Amperes

KBPC-W



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	KBPC15005W	KBPC1501W	KBPC1502W	KBPC1504W	KBPC1506W	KBPC1508W	KBPC1510W	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 T _c =55°C								15	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)								180	A
Maximum Forward Voltage Drop per Bridge Element at 7.5AD.C.								1.1	V
Maximum DC Reverse Current Ta=25°C								10	μA
at Rated DC Blocking Voltage Ta=100°C								500	μA
Operating Temperature Range, T _J								-65 — +125	°C
Storage Temperature Range, T _{STG}								-65 — +150	°C

RATING AND CHARACTERISTIC CURVES (KBPC15005W THRU KBPC1510W)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

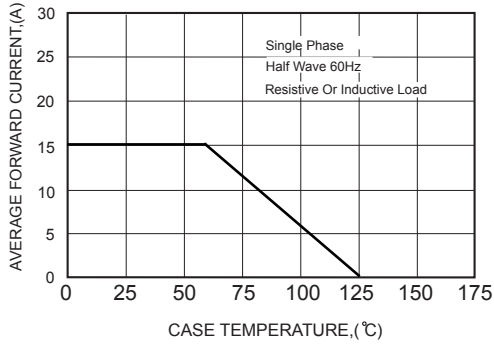


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

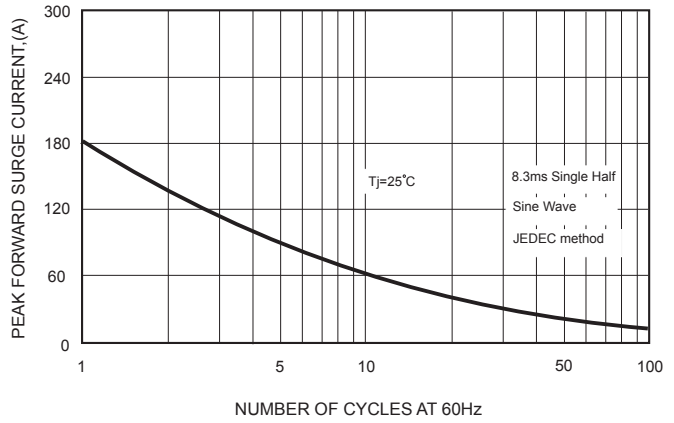


FIG.3-TYPICAL FORWARD CHARACTERISTICS

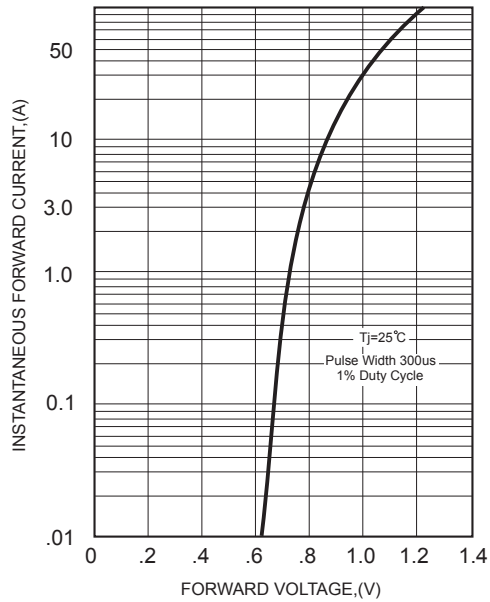


FIG.4-TYPICAL REVERSE CHARACTERISTICS

