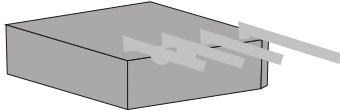


KBPC15005S THRU KBPC1510S



SINGLE PHASE 15 AMP BRIDGE RECTIFIERS



FEATURES

- * Plastic Case With Heatsink For Heat Dissipation.
- * Surge Overload Ratings to 300 Amperes.
- * The plastic package has Underwriters
- * Laboratory Flammability Classification 94V-0

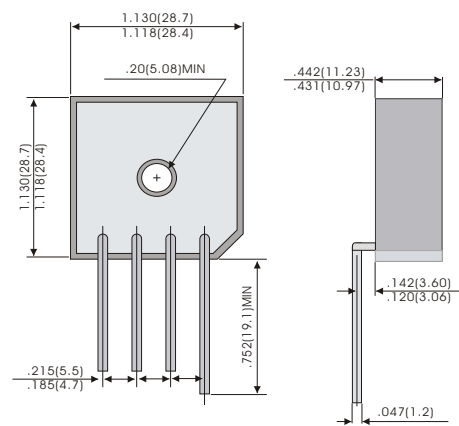
VOLTAGE RANGE

50 to 1000 Volts

CURRENT

15.0 Ampere

GL



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	KBPC 15005S	KBPC 1501S	KBPC 1502S	KBPC 1504S	KBPC 1506S	KBPC 1508S	KBPC 1510S	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								15	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)								300	A
Maximum Forward Voltage Drop per Bridge Element at 7.5AD.C.								1.0	V
Maximum DC Reverse Current Ta=25°C								10	UA
at Rated DC Blocking Voltage Ta=100°C								500	UA
Operating Temperature Range, Tj								-65 — +150	°C
Storage Temperature Range, TSTG									

RATING AND CHARACTERISTIC CURVES (KBPC15005S THRU KBPC1510S)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

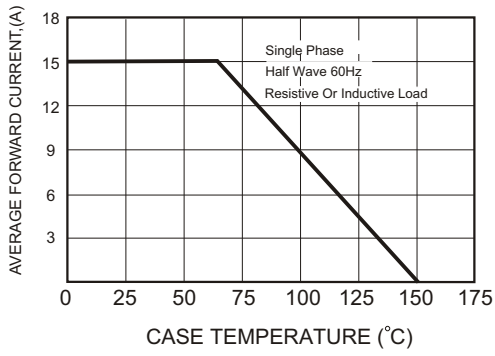


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

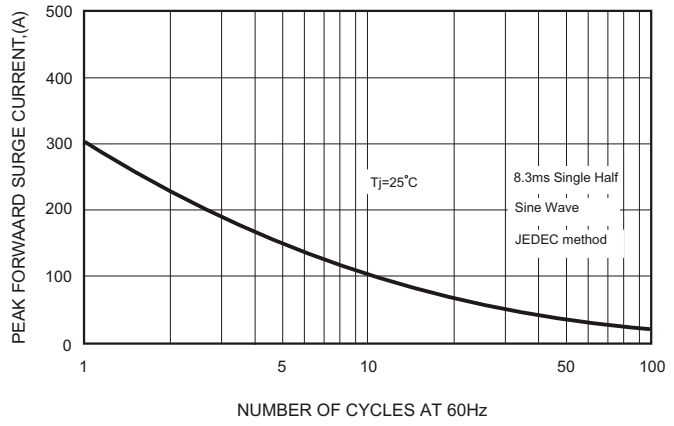


FIG.3-TYPICAL FORWARD CHARACTERISTICS

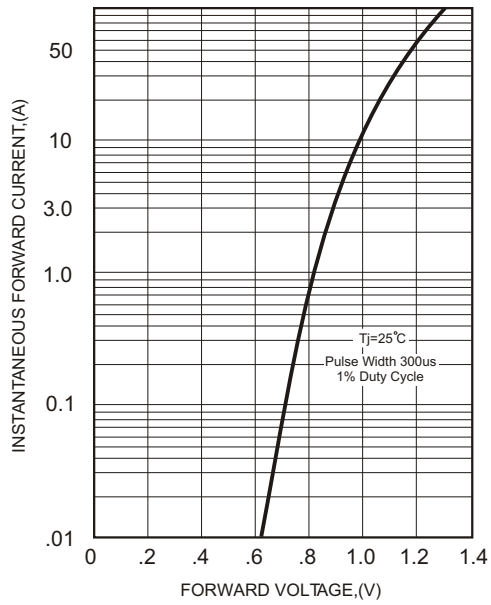


FIG.4-TYPICAL REVERSE CHARACTERISTICS

