



KBP200 SERIES
SILICON BRIDGE RECTIFIERS

FEATURES

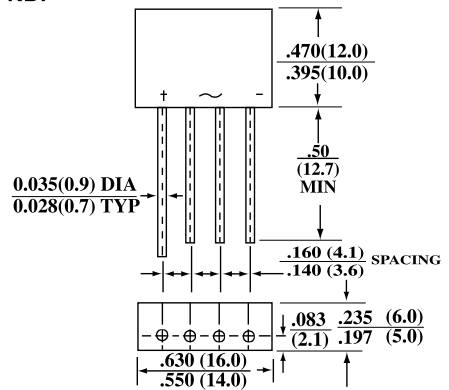
- Plastic material used carries Underwriters Laboratory Recognition.
- Exceeds environmental standards of MIL-STD-19500.
- Surge overload rating : 60 amperes peak.
- Ideal for printed circuit board.

MECHANICAL DATA

Case : Reliable low cost construction utilizing molded plastic technique.
 Terminals : Lead solderable per MIL-STD-202, Method 208.
 Mounting Position : Any
 Weight : 1.6 grams.

VOLTAGE RANGE
50 to 1000 Volts
CURRENT
2.0 Amperes

KBP



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.
 Single phase, half wave,60Hz, resistive or inductive load.
 For capacitive load, derate current by 20%.

RATINGS	KBP200	KBP201	KBP202	KBP204	KBP206	KBP208	KBP2010	Units
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Current at T _A = 25°C	2.0							A
Peak Forward Surge Current , 8.3 ms single half Sine-wave superimposed on rated load	60							A
Maximum Forward Voltage Drop per Element at 2.0A	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage T _A = 25°C per Element	10							μA
	1.0							mA
Operating Temperature Range T _J	-55 to + 125							°C
Storage Temperature Range T _{STG}	-55 to + 150							°C



RATING AND CHARACTERISTIC CURVES KBP200 SERIES

FIG. 1-OUTPUT CURRENT VS AMBIENT TEMPERATURE

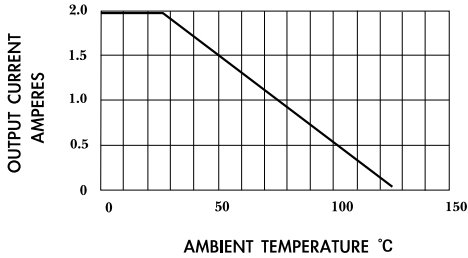


FIG. 2-TYPICAL FORWARD CHARACTERISTICS (25°C)

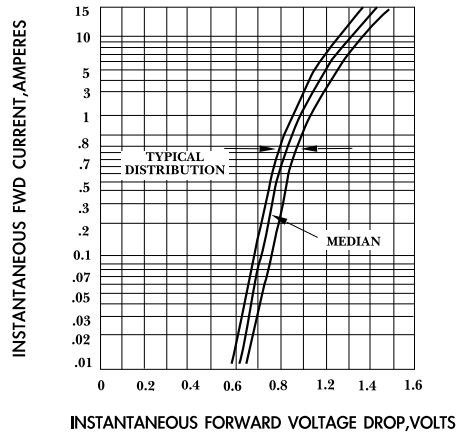


FIG. 3-TYPICAL REVERSE CHARACTERISTICS(25°C)

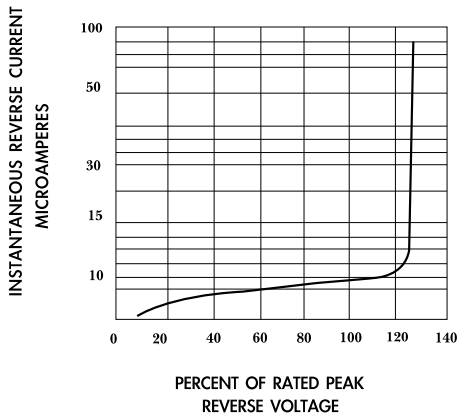


FIG. 4-NON-RECURRENT SURGE RATING

