



**KBP150 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.

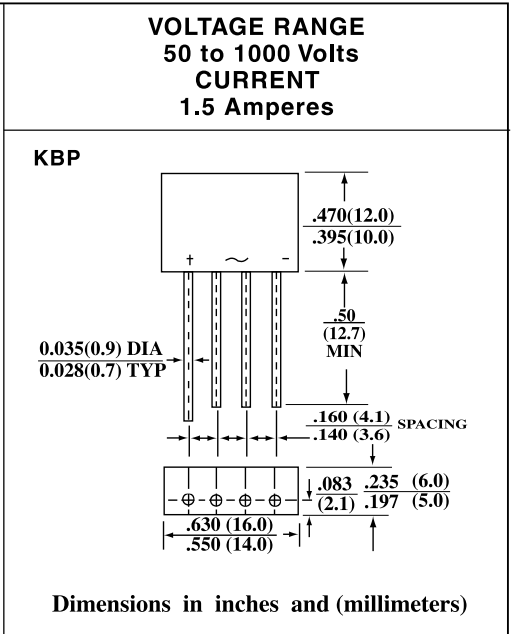
**MECHANICAL DATA**

Case : Reliable low cost construction utilizing molded plastic technique.

Terminals : Leads solderable per MIL-STD-202, Method 208.

Mounting position : Any

Weight : 1.6 grams.



**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%.

<b>RATINGS</b>	<b>KBP150</b>	<b>KBP151</b>	<b>KBP152</b>	<b>KBP154</b>	<b>KBP156</b>	<b>KBP158</b>	<b>KBP1510</b>	<b>Units</b>
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 Rectified Current at 50°C Ambient	1.5							A
Peak one Cycle Surge Overload Current	50.0							A
Maximum Forward Voltage Drop per Bridge Element at 1.0A DC	1.0							V
Maximum ( Total Bridge) Reverse Leakage at Rated DC Blocking Voltage T <sub>A</sub> = 25°C	10							µA
Maximum ( Total Bridge) Reverse Leakage at Rated DC Blocking Voltage T <sub>A</sub> = 100°C	1.0							mA
Operating Temperature Range T <sub>J</sub>	-55 to + 125							°C
Storage Temperature Range T <sub>STG</sub>	-55 to + 150							°C



**RATING AND CHARACTERISTIC CURVES KBP150 SERIES**

FIG. 1-OUTPUT CURRENT VS AMBIENT TEMPERATURE

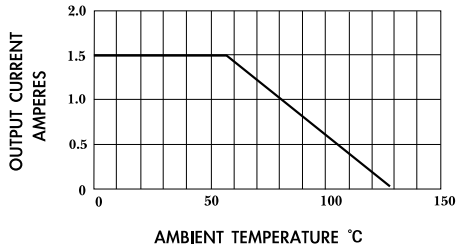


FIG. 2-TYPICAL FORWARD CHARACTERISTICS (25°C)

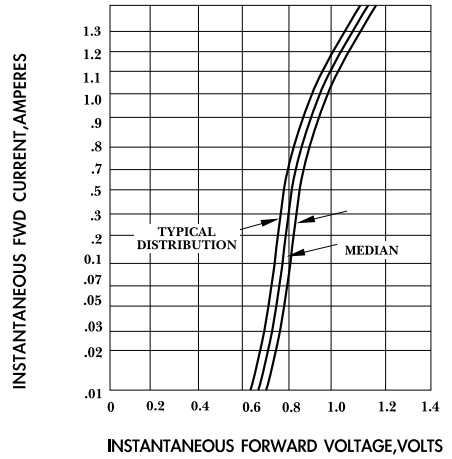


FIG. 3-TYPICAL REVERSE CHARACTERISTICS (25°C)

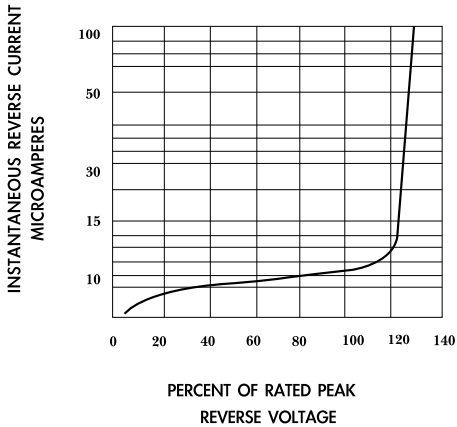


FIG. 4-NON-RECURRENT SURGE RATING

