

<b>KBP201G THRU KBP207G</b>	
Single Phase 2.0 AMPS. Glass Passivated Bridge Rectifiers	
<p><b>Features</b></p> <ul style="list-style-type: none"> <li>• Ideal for printed circuit board</li> <li>• Reliable low cost construction technique results in inexpensive product</li> <li>• High temperature soldering guaranteed: 250 °C / 10 seconds at 5 lbs. ( 2.3 Kg ) tension</li> <li>• Small size, simple installation Leads solderable per MIL-STD-202, Method 208</li> </ul>	<p style="text-align: center;">Voltage Range 50 to 1000 Volts Current 2.0 Amperes</p> <p style="text-align: center;"><b>KBP</b></p> <p style="text-align: center;">Dimensions in inches and (millimeters)</p>

**Maximum Ratings and Electrical Characteristics**

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Symbols	KBP 201G	KBP 202G	KBP 203G	KBP 204G	KBP 205G	KBP 206G	KBP 207G	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 @ T <sub>A</sub> = 50°C	2.0							A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	60							A
Maximum Instantaneous Forward Voltage @ 1.0A	1.1							V
Maximum DC Reverse Current @ T <sub>A</sub> =25°C at Rated DC Blocking Voltage @ T <sub>A</sub> =125°C	10 500							uA uA
Operating Temperature Range T <sub>J</sub>	-55 to +150							°C
Storage Temperature Range T <sub>STG</sub>	-55 to +150							°C

## RATINGS AND CHARACTERISTIC CURVES (KBP201G THRU KBP207G)

FIG.1- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT

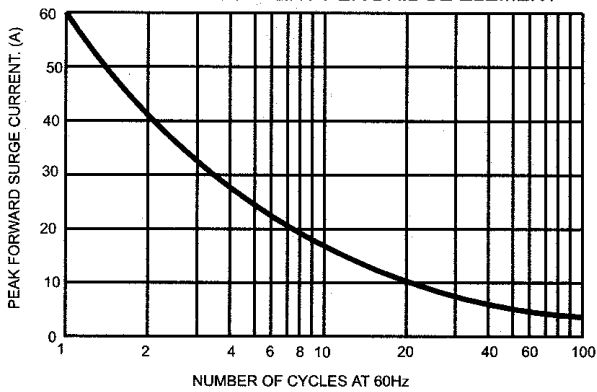


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

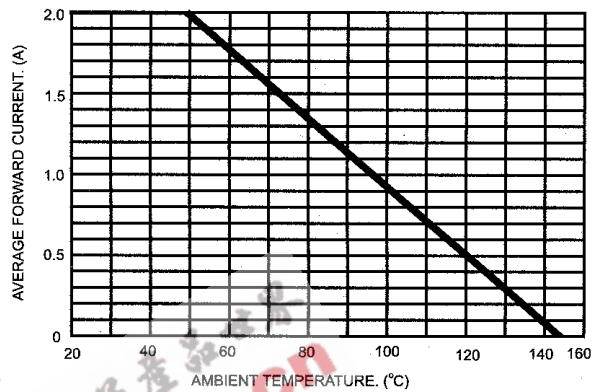


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

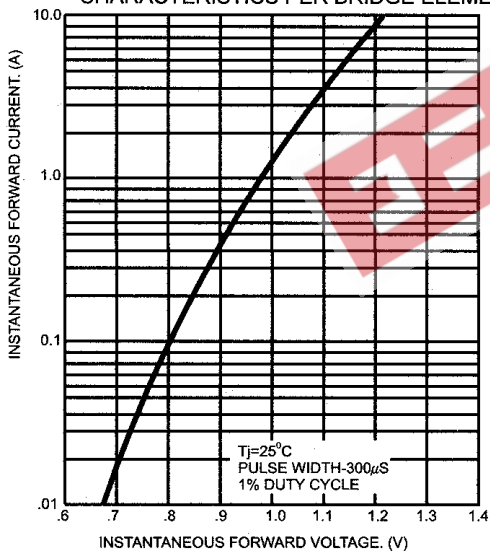


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

