KBP201G THRU KBP207G

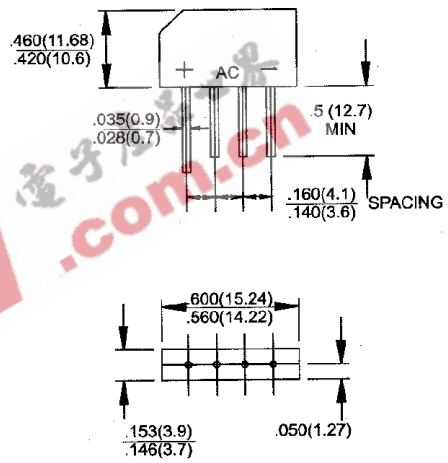
Single Phase 2.0 AMPS. Glass Passivated Bridge Rectifiers

Voltage Range
50 to 1000 Volts
Current
2.0 Amperes

Features

- Ideal for printed circuit board
- Reliable low cost construction technique results in inexpensive product
- High temperature soldering guaranteed: 250 ℃ / 10 seconds at 5 lbs. (2.3 Kg) tension
- Small size, simple installation
  Leads solderable per MIL-STD-202, Method 208

KBP



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Rating at 25℃ 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_A = 50℃	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_A=25℃ at Rated DC Blocking Voltage @ T_A=125℃	10 500							uA uA
Operating Temperature Range T_J	-55 to +150							℃
Storage Temperature Range T_{STG}	-55 to +150							℃

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RATINGS AND CHARACTERISTIC CURVES (KBP201G THRU KBP207G)

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

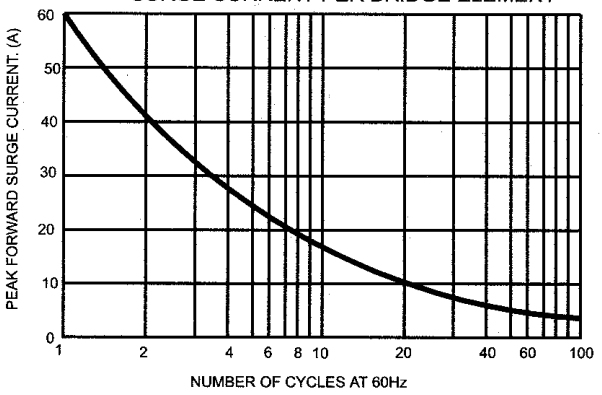


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

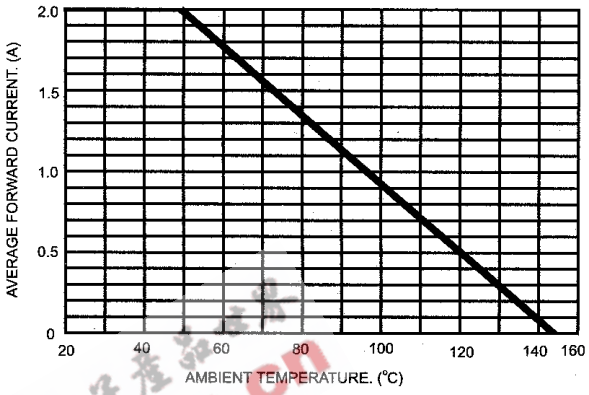


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

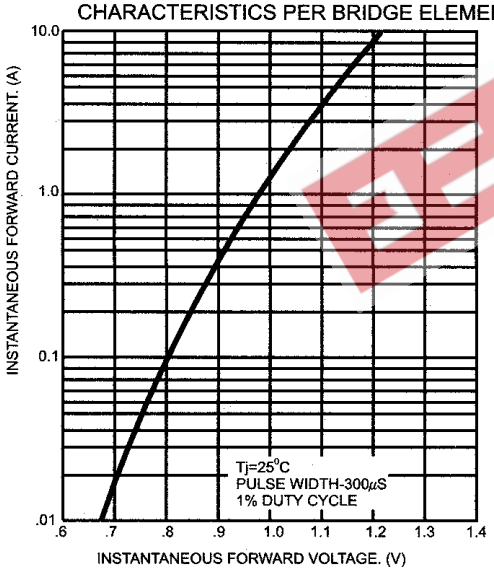
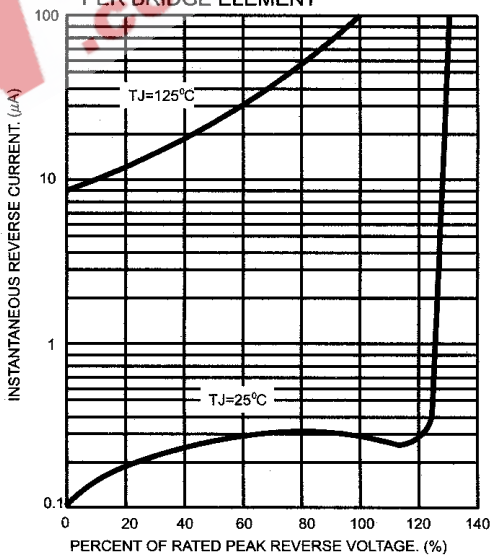


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT



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