



KBP201G THRU KBP207G

Single Phase 2.0 AMPS. Glass Passivated Bridge Rectifiers

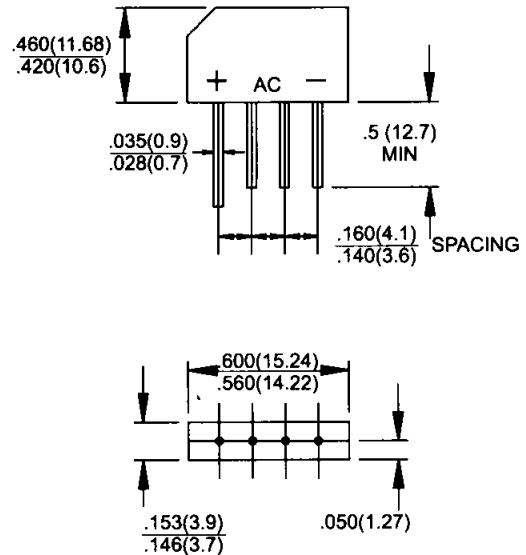


Voltage Range
50 to 1000 Volts
Current
2.0 Amperes

Features

- ✧ Ideal for printed circuit board
- ✧ Reliable low cost construction technique results in inexpensive product
- ✧ High temperature soldering guaranteed: 250 °C / 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°C ambient temperature unless otherwise specified.

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

For capacitive load, derate current by 20%

| Type Number | 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°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 _A =25°C at Rated DC Blocking Voltage @ T _A =125°C | 10 500 | | | | | | | uA uA |
| Operating Temperature Range T _J | -55 to +150 | | | | | | | °C |
| Storage Temperature Range T _{STG} | -55 to +150 | | | | | | | °C |

RATINGS AND CHARACTERISTIC CURVES (KBP201G THRU KBP207G)

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

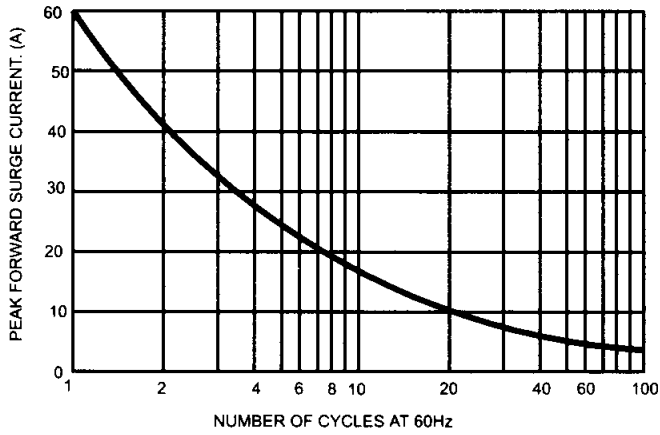


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

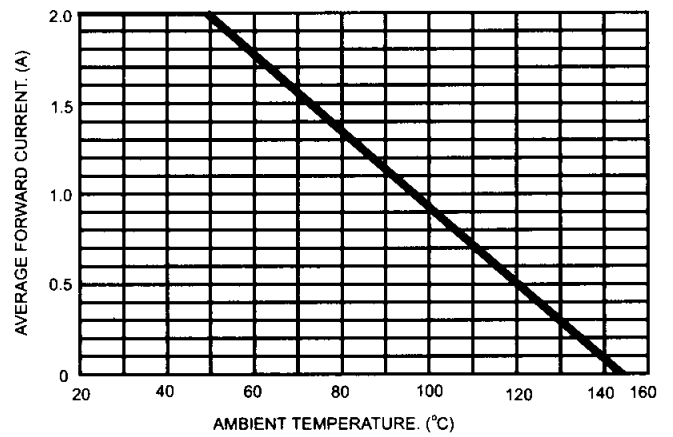


FIG.3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

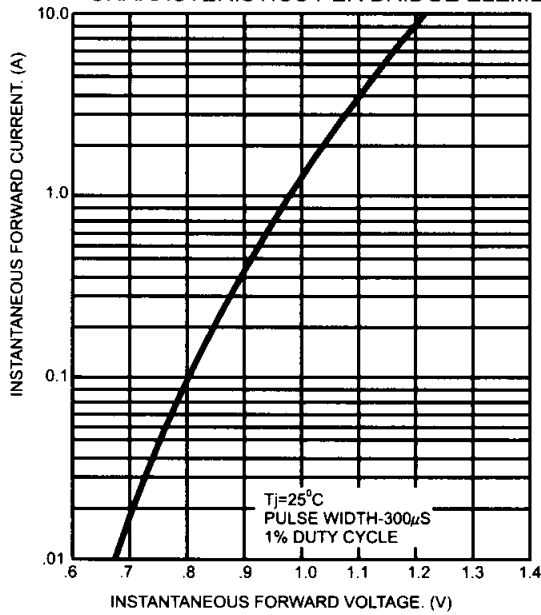


FIG.4- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

