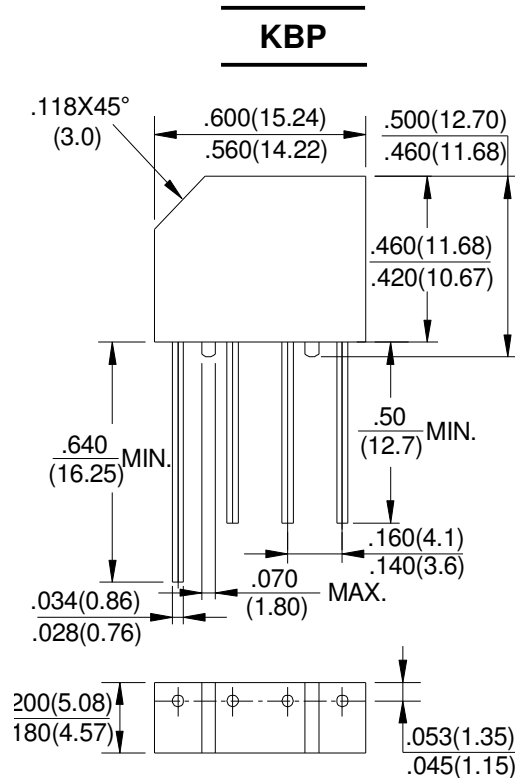


GLASS PASSIVATED BRIDGE RECTIFIERS

REVERSE VOLTAGE - 50 to 1000 Volts
FORWARD CURRENT - 1.5Amperes

FEATURES

- Surge overload rating -50 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory flammability classification 94V-0
- Mounting position :Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Resistive or inductive load,60HZ.

For capacitive load, derate current by 20%

| CHARACTERISTICS | SYMBOL | KBP005G | KBP01G | KBP02G | KBP04G | KBP06G | KBP08G | KBP10G | UNIT |
|---|--------|-------------|--------|--------|--------|--------|--------|--------|------|
| Maximum Recurrent Peak Reverse Voltage | VRRM | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum RMS Bridge Input Voltage | VRMS | 35 | 70 | 140 | 280 | 420 | 560 | 700 | V |
| Maximum DC Blocking Voltage | VDC | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| Maximum Average Forward Rectified Output Current @TA=50 °C | I(AV) | 1.5 | | | | | | | A |
| Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method) | IFSM | 50 | | | | | | | A |
| Maximum Forward Voltage Drop Per Bridge Element at 1.5A Peak | VF | 1.1 | | | | | | | V |
| Maximum Reverse Current at Rated DC Blocking Voltage Per Element @TJ=25°C | IR | 10 | | | | | | | µA |
| Maximum Reverse Current at Rated DC Blocking Voltage Per Element @TJ=100°C | IR | 1.0 | | | | | | | mA |
| Operating Temperature Range | TJ | -55 to +150 | | | | | | | °C |
| Storage Temperature Range | TSTG | -55 to +150 | | | | | | | °C |

FIG.1-DERATING CURVE OUTPUT RECTIFIED CURRENT

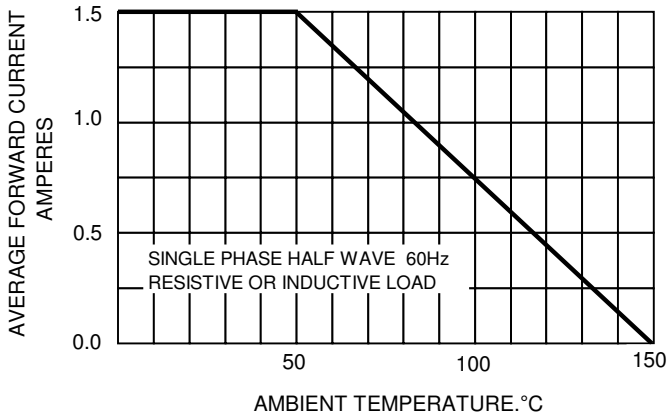


FIG.2-TYPICAL FORWARD CHARACTERISTICS

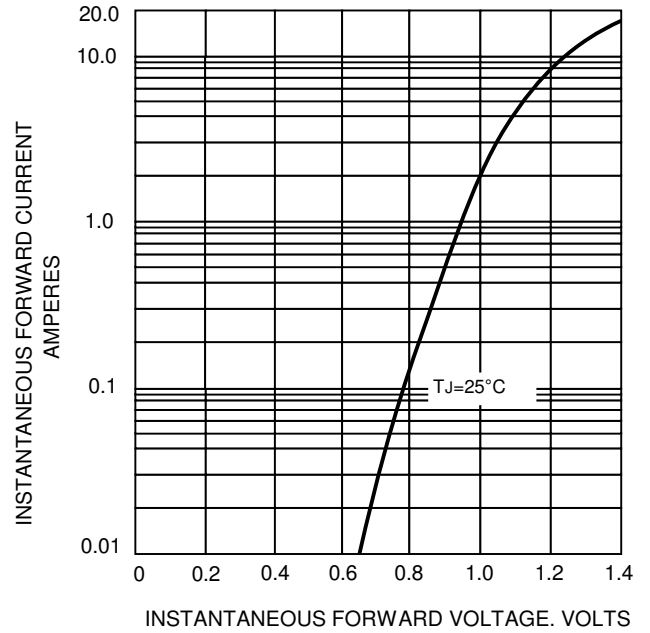


FIG.3-TYPICAL REVERSE CHARACTERISTICS

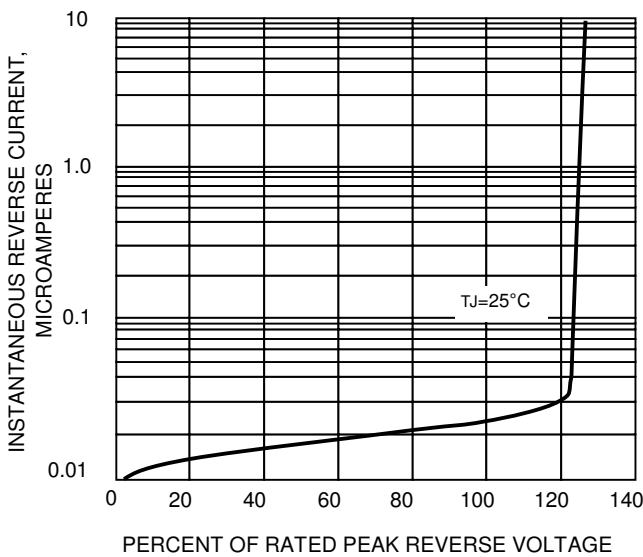


FIG.4-MAXIMUM FORWARD SURGE CURRENT

