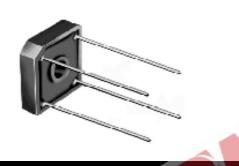
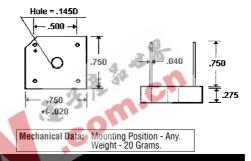
8.0 Amp SINGLE PHASE SILICON BRIDGE

Description

Data Sheet

Mechanical Dimensions





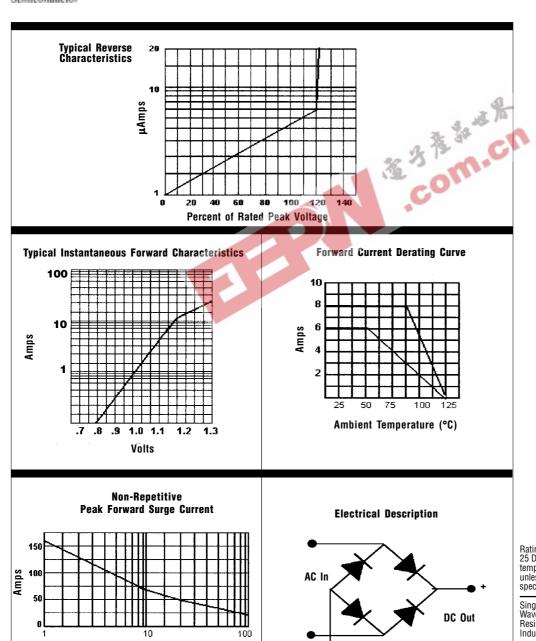
Features

- COMPACT SIZE
- LOW LEAKAGE CURRENT
- 125 AMP SURGE OVERLOAD RATING
- MEETS UL SPECIFICATION 94V-0

| Electrical Characteristics @ 25°C. | KBPC800 810 Series | | | | | | | Units |
|---|--------------------|---------|---------|-----------|---------|--------------|---------|------------------|
| Maximum Ratings | KBPC800 | KBPC801 | KBPC802 | KBPC804 | KBPC806 | KBPC808 | KBPC810 | |
| Peak Repetitive Reverse VoltageV _{RRM} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | Volts |
| RMS Reverse VoltageV _{R(rms)} | 35 | 70 | 140 | 280 | 420 | 560 | 700 | Volts |
| DC Blocking VoltageV _{DC} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | Volts |
| Average Forward Rectified Current $I_{F(av)}$ $T_{C} = 100 ^{\circ}C$ $T_{A} = 50 ^{\circ}C$ | | | | | | Amps Amps | | |
| Non-Repetitive Peak Forward Surge CurrentI _{FSM} 8.3 mS Single ½ Sine Wave Imposed on Rated Load | | | | 150 | | | | Amps |
| Rating for Fusing (T < 8.3 mS) | | | | 127 | | | | A ² S |
| Forward VoltageV _F Bridge Element @ 8.0 Amps | | 1.2 | | | | | | Volts |
| DC Reverse Current I_R @ Rated DC Blocking Voltage $T_A = 25^{\circ}C$ $T_A = 100^{\circ}C$ | | | | | | | | μAmp mAmp |
| Typical Junction Capacitance \mathbf{C}_{J} | < | 1 | 86 | > | < | 90 | > | pF |
| Operating & Storage Temperature RangeT _J , T _{STR} | G | | | 55 to 150 | | | | ℃ |



8.0 Amp SINGLE PHASE SILICON BRIDGE



Number of Cycles @ 60 HZ

Ratings at 25 Deg. C ambient temperature unless otherwise specified.

Single Phase Half Wave, 60 HZ Resistive or Inductive Load.

For Capacitive Load, Derate Current by 20%.