

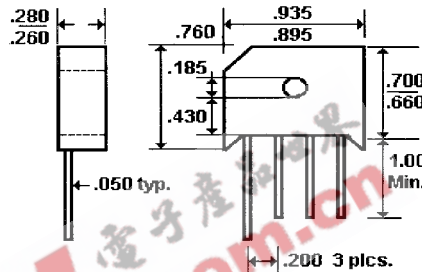
# 4.0 Amp SINGLE PHASE SILICON BRIDGE

**KBU400 . . . 410 Series**

## Description



## Mechanical Dimensions



Mechanical Data: Weight - 0.3 Ounces. Mounting Torque - 5.1 lbs. Mounting Position - Any.

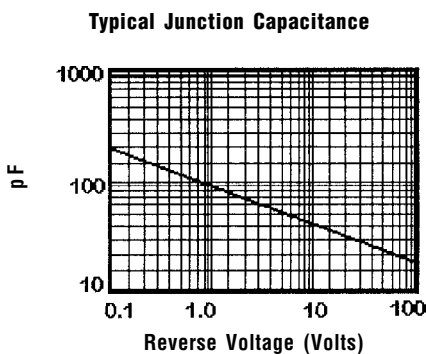
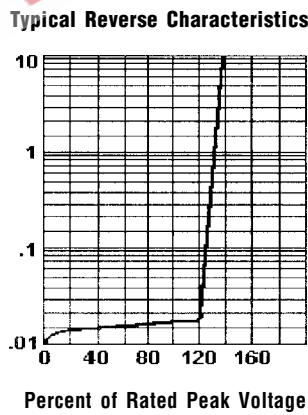
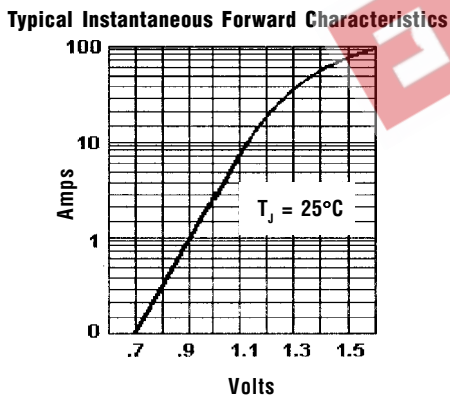
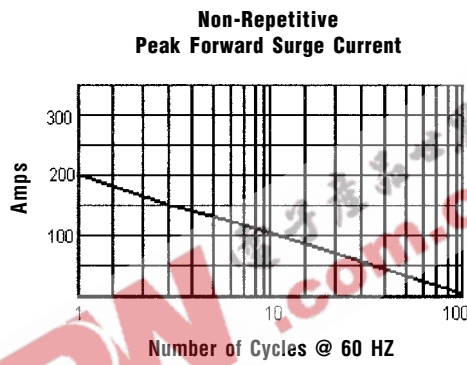
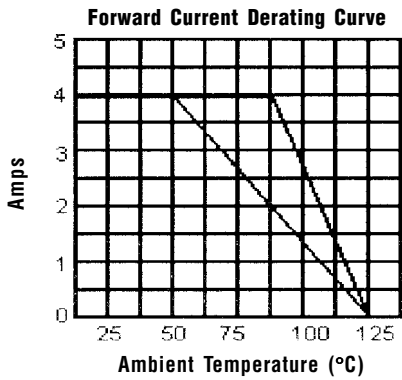
## Features

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

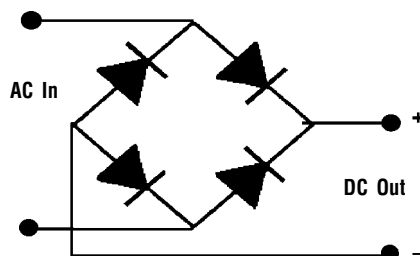
| Electrical Characteristics @ 25°C.  | KBU400 . . . 410 Series |        |        |            |        |        |        | Units        |
|---|-------------------------|--------|--------|------------|--------|--------|--------|--------------|
| Maximum Ratings   | KBU400                  | KBU401 | KBU402 | KBU404     | KBU406 | KBU408 | KBU410 |              |
| Peak Repetitive Reverse Voltage... $V_{RRM}$  | 50                      | 100    | 200    | 400        | 600    | 800    | 1000   | Volts        |
| RMS Reverse Voltage... $V_{R(rms)}$   | 35                      | 70     | 140    | 280        | 420    | 560    | 700    | Volts        |
| DC Blocking Voltage... $V_{DC}$   | 50                      | 100    | 200    | 400        | 600    | 800    | 1000   | Volts        |
| Average Forward Rectified Current... $I_{F(av)}$<br>$T_A = 25^\circ C$                                      | .....                   |        |        | 4.0        | .....  |        |        | Amps         |
| Non-Repetitive Peak Forward Surge Current... $I_{FSM}$<br>8.3 ms Single 1/2 Sine Wave Imposed on Rated Load | .....                   |        |        | 200        | .....  |        |        | Amps         |
| Forward Voltage... $V_F$<br>Bridge Element @ 4.0 Amps   | .....                   |        |        | 1.1        | .....  |        |        | Volts        |
| DC Reverse Current... $I_R$<br>@ Rated DC Blocking Voltage  | .....                   |        |        | 10         | .....  |        |        | $\mu$ Amps   |
|   | .....                   |        |        | 1.0        | .....  |        |        | mAmps        |
| Typical Thermal Resistance... $R\theta JC$  | .....                   |        |        | 14         | .....  |        |        | $^\circ C/W$ |
| Operating Temperature Range... $T_J$  | .....                   |        |        | -55 to 125 | .....  |        |        | $^\circ C$   |
| Storage Temperature Range... $T_{STRG}$   | .....                   |        |        | -55 to 150 | .....  |        |        | $^\circ C$   |

**4.0 Amp  
SINGLE PHASE SILICON BRIDGE**

**KBU400 . . . 410 Series**



**Electrical Description**



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%.