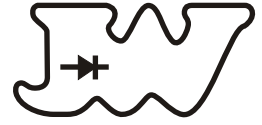
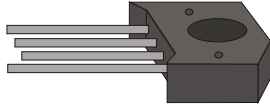


# KBU801 THRU KBU807



SINGLE PHASE 8.0 AMP BRIDGE RECTIFIERS



## FEATURES

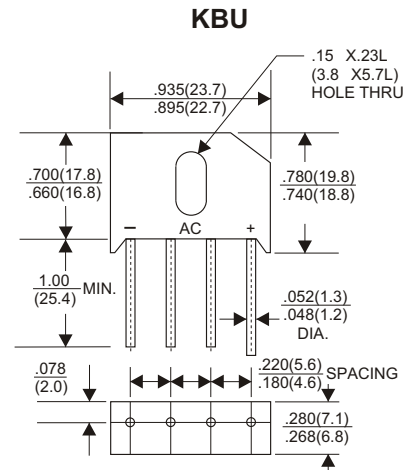
- \* Ideal for printed circuit board
- \* Low forward voltage
- \* Low leakage current
- \* Polarity: marked on body
- \* Mounting position: Any

## VOLTAGE RANGE

50 to 1000 Volts

## CURRENT

8.0 Amperes



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.  
 Single phase half wave, 60Hz, resistive or inductive load.  
 For capacitive load, derate current by 20%.

| TYPE NUMBER                                                                                           | KBU801 | KBU802 | KBU803 | KBU804 | KBU805 | KBU806 | KBU807 | 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<br>.375"(9.5mm) Lead Length at Ta=40°C                      |        |        |        |        |        |        |        | 8.0        | A  |
| Peak Forward Surge Current, 8.3 ms single half sine-wave<br>superimposed on rated load (JEDEC method) |        |        |        |        |        |        |        | 250        | A  |
| Maximum Forward Voltage Drop per Bridge Element at 4.0A D.C.                                          |        |        |        |        |        |        |        | 1.1        | V  |
| Maximum DC Reverse Current<br>Ta=25°C                                                                 |        |        |        |        |        |        |        | 10         | A  |
| at Rated DC Blocking Voltage<br>Ta=100°C                                                              |        |        |        |        |        |        |        | 200        | A  |
| Operating Temperature Range, Tj                                                                       |        |        |        |        |        |        |        | -65 — +150 | °C |
| Storage Temperature Range, Tstg                                                                       |        |        |        |        |        |        |        | -65 — +150 | °C |

## RATING AND CHARACTERISTIC CURVES (KBU801 THRU KBU807)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

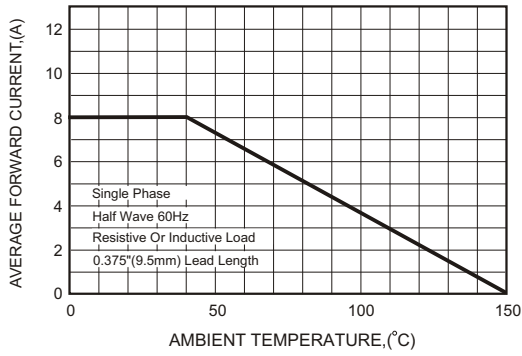


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

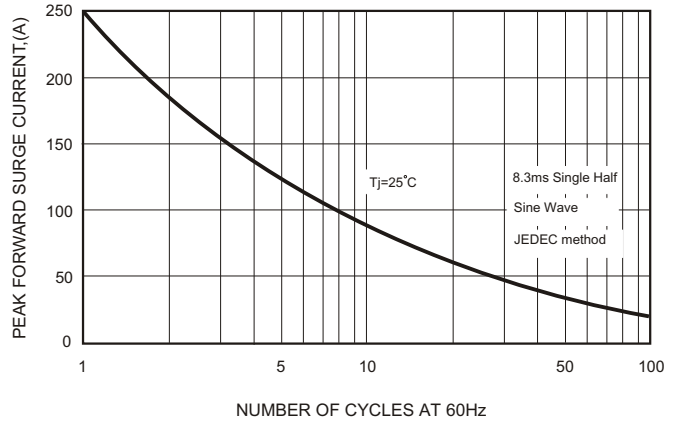


FIG.3-TYPICAL FORWARD CHARACTERISTICS

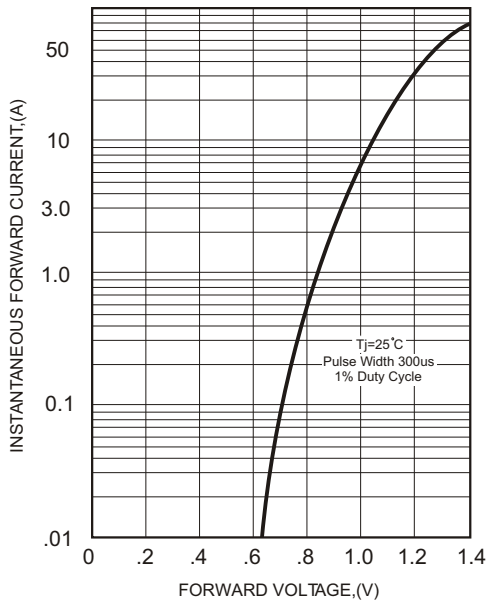


FIG.4-TYPICAL REVERSE CHARACTERISTICS

