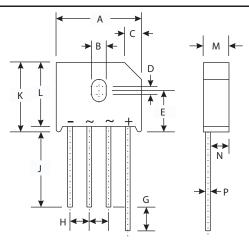


KBU10A THRU KBU10M

CURRENT 10.0 Amperes VOLTAGE 50 to 1000 Volts

Features

- · Low Forward Voltage Drop, High Current Capability
- · Surge Overload Rating to 300A Peak
- · Ideal for Printed Circuit Board Applications
- · Case to Terminal Isolation Voltage 1500V
- · Plastic Material UL Flammability Classification Rating 94V-0



KBU Dim Min Max Dim Min Max Α 22.70 23.70 25.40 19.30 R 3.80 4.10 4.20 4.70 16.80 17.80 7.10 D 1.70 2.20 M 6.60 Ε 10.30 11.30 Ν 4.70 5.20 G 6.80 4.50 1.20 1.30 Н 4.80 5.80

All Dimensions in mm

Mechanical Data

· Case: Molded Plastic

· Terminals : Plated Leads Solderable per MIL-STD-202, Method 208

· Polarity: As Marked on Case

· Mounting : Through Hole for #6 Screw

· Mounting Torque: 5.0 Inch-pounds Maximum

Weight: 8.0 grams (approx.)Marking: Type Number

Maximum Ratings And Electrical Characteristics

(Ratings at 25 $^{\circ}$ C ambient temperature unless otherwise specified, Single phase, half wave 60Hz, resistive or inductive load. For capacitive load, derate by 20%)

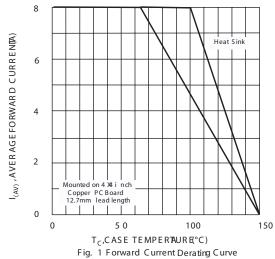
| | | Symbols | KBU 10A | KBU 10B | KBU 10D | KBU 10G | KBU 10J | KBU 10K | KBU 10M | Units |
|--|------------|--------------------|-------------|------------|------------|------------|------------|------------|------------|------------------|
| Peak Repetitive Reverse voltage Working Peak Reverse voltage DC Blocking voltage | | VRMM VRWM VR | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | Volts |
| RMS Reverse voltage | | VRMS | 35 | 70 | 140 | 280 | 420 | 560 | 700 | Volts |
| Average Rectified Output Current @ Tc=100 ℃ | | lo | 10.0 | | | | | | | Amps |
| Non-Repetitive Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load (JEDEC method) | | lfsm | 300 | | | | | | | Amps |
| Forward voltage (per element) | @ IF=5.0 A | VFM | 1.0 | | | | | | Volts | |
| Peak Reverse Current at Rated DC Blocking voltage | @ Tc=25 ℃ | Irm | 10 | | | | | | | μ A |
| | @ Tc=125 ℃ | | 1.0 | | | | | | | mA |
| I ² t Rating for Fusing (Note 2) | | l ² t | 373 | | | | | | | A ² s |
| Typical Thermal Resistance, Junction to Case (Note 1) | | R⊖JA | 7.5 | | | | | | | °C/W |
| Operating and Storage Temperature Range | | Tj Tstg | -65 to +150 | | | | | | | °C |

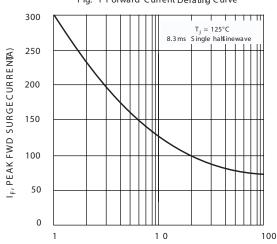
Notes:

- (1) Thermal resistance junction to case mounted on heat sink.
- (2) Non-repetitive, for t > 1.0ms and t < 8.3ms.

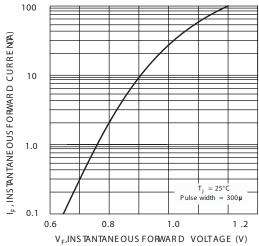


RATINGS AND CHARACTERISTIC CURVES KBU10A THRU KBU10M





NUMBER OF CCLES AT 60Hz Fig. 3 Max NonRepetitive Forward Surge Current



F,INSTANTANEOUS FORWARD VOLTAGE (V Fig. 2 Typical Forward Characteristics

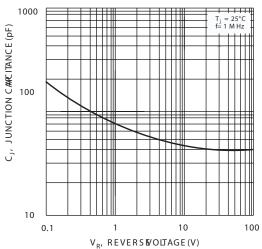


Fig. 4 Typical Junction Capacitanceper element

