



KBU1001 THRU KBU1010

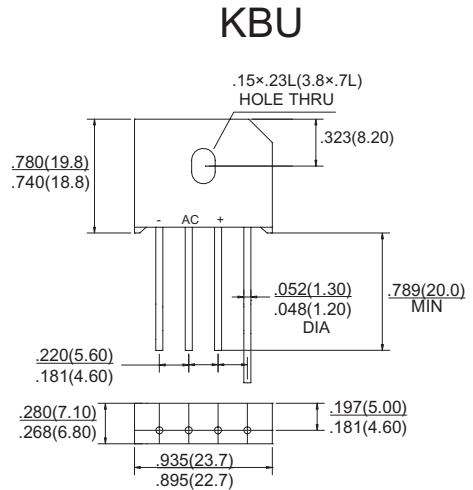
BRIDGE RECTIFIER
 Reverse Voltage: 100 to 1000 Volts
 Forward Current: 10.0 Amps

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated chip junction
- High current capability
- Low forward voltage drop
- High temperature soldering guaranteed: 260°C/10 seconds at terminals
- Component in accordance to RoHS 2011/65/EU

MECHANICAL DATA

- Case: KBU molded plastic body
- Terminals: Plated leads solderable per MIL-STD-750, method 2026
- Mounting Position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

	Symbols	KBU1001	KBU1002	KBU1004	KBU1006	KBU1008	KBU1010	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	100	200	400	600	800	1000	Volts
Average Rectified Output Current	I _O	10.0						Amp
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	180						Amps
Rating for fusing (t < 8.3ms)	I ² t	135						A ² s
Maximum Instantaneous Forward Voltage at 10.0 A DC	V _F	1.1						Volts
Maximum DC Reverse Current at rated DC blocking voltage	T _A =25°C	10						μA
	T _A =125°C	500						
Typical thermal resistance	R _{θJC}	4.7 [°]						°C/W
Operating temperature range	T _J	-55 to +150						°C
Storage temperature range	T _{STG}	-55 to +150						°C

NOTE: 1. Units Mounted on a aluminum plate heat sink.

RATINGS AND CHARACTERISTIC CURVES KBU1001 THRU KBU1010

