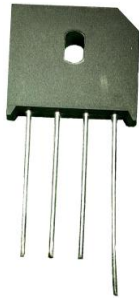


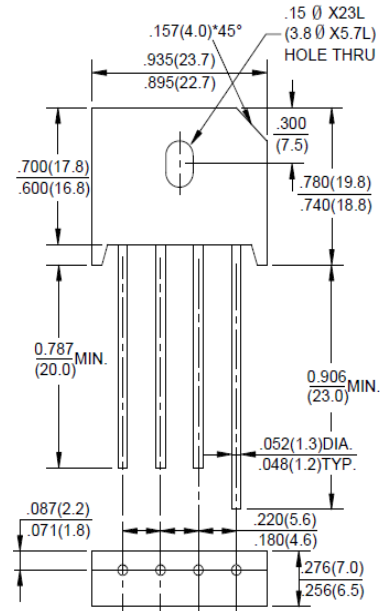
KBU10/15/25

10/15/25A Single-Phase GLass Passivated Bridge Rectifiers



Rectifier Reverse Voltage 50V to 1000V

KBU



Features

- Glass passivated junction
- The plastic material used carries Underwriters Laboratory flammability recognition 94V-0
- Surge overload ratings to 125 thru 175 amperes peak
- Ideal for printed circuit board application
- High temperature soldering guaranteed 265°C/10

Mechanical Data

Case: Molded plastic
 Terminals: Plate leads solderable per MIL-STD-750, Method 2026
 Polarity: Polarity symbols molded or Marked on body
 Mounting Position: Any
 Weight: 0.25 ounce, 7.0 grams (approx)

Maximum Ratings & Thermal Characteristics

Dimensions in inches and (millimeters)

Rating at 25°C ambient temperature unless otherwise specified, Resistive or inductive load, 60HZ.
 For Capacitive load derate current by 20%

Parameter	Symbol	KBU10005	KBU1001	KBU1002	KBU1004	KBU1006	KBU1008	KBU1010	unit		
		KBU15005	KBU1501	KBU1502	KBU1504	KBU1506	KBU1508	KBU1510			
		KBU25005	KBU2501	KBU2502	KBU2504	KBU2506	KBU2508	KBU2510			
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	V		
Maximum RMS bridge input voltage	VRMS	35	70	140	280	420	560	700	V		
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	V		
Maximum average forward (with heatsink Note 1) Rectified current @Tc=100°C (without heatsink)	IF(AV)	KBU10		10.0	KBU15		15.0	KBU25		25.0	A
Peak forward surge current single sine-wave superimposed on rated load (JEDEC Method)	IFSM	KBU10		3.0	KBU15		3.2	KBU25		3.6	A
Maximum instantaneous forward voltage drop per element at 5.0A /7.5A/12.5A	VF	KBU10		200	KBU15		250	KBU25		300	A
Maximum DC reverse current at rated TA=25°C DC blocking voltage per element TA=100°C	IR	KBU10		1.1	KBU15		1.1	KBU25		1.1	V
Operating and storage temperature range	TJ,TSTG	KBU10		10	KBU15		10	KBU25		10	UA
		KBU10		1000	KBU15		1000	KBU25		1000	UA
		-55to+150								°C	

Note: 1 Device mounted on 100mm*100mm*1.6mm Cu plate heatsink.

KBU10/15/25

Rating and Characteristic Curves(TA=25°C Unless otherwise noted)

