KBU10005 THRU KBU1010

Silicon Bridge Rectifiers

Reverse Voltage - 50 to 1000 Volts Forward Current - 10 Amperes

Features

- Low forward voltage drop
- Ideal for printed circuit board
- High surge forward current capability

Mechanical Data

- Polarity: Symbol Marked on body
- Mounting position: Any

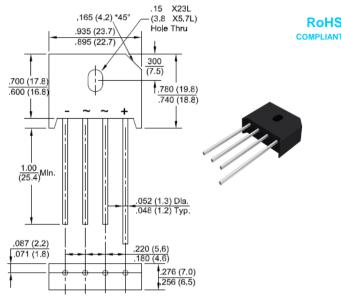
Note: Products with logo or by are made by HY Electronic (Cayman) Limited.

Applications

 General purpose use in AC/DC bridge full wave rectification, for SMPS, lighting ballaster, adapter, etc.

KBU 165 (4,2) *45° .935 (23.7) 895 (22,7)





Package Outline Dimensions in Inches (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%.

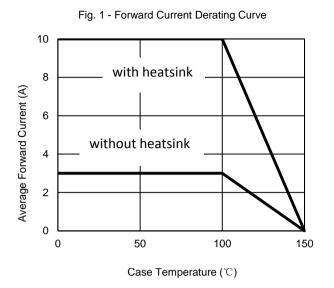
Symbol	KBU	KBU	KBU	KBU	KBU	KBU	KBU	UNIT
	10005	1001	1002	1004	1006	1008	1010	
Vrrm	50	100	200	400	600	800	1000	V
VRMS	35	70	140	280	420	560	700	V
VDC	50	100	200	400	600	800	1000	V
10.0								А
I(AV)			3.0					Α.
JESM 240							А	
IFSW	240							
l ² t	240						A ² s	
VF	1.0							V
IR 10 500							μА	
TJ	-55 to+150							$^{\circ}$
Тѕтс	-55 to+150							$^{\circ}$
	VRRM VRMS VDC I(AV) IFSM I ² t VF IR	Symbol 10005 VRRM 50 VRMS 35 VDC 50 I(AV)	Symbol 10005 1001	Symbol 10005 1001 1002 VRRM 50	Symbol 10005 1001 1002 1004 VRRM 50 100 200 400 VRMS 35 70 140 280 VDC 50 100 200 400 I(AV) 3.0 3.0 IFSM 240 I²t 240 VF 1.0 IR 500 TJ -55 to+150	Symbol 10005 1001 1002 1004 1006 VRRM 50 100 200 400 600 VRMS 35 70 140 280 420 VDC 50 100 200 400 600 I(AV) ISSM 240 IFSM 240 VF 1.0 IR 500 TJ -55 to+150	Symbol 10005 1001 1002 1004 1006 1008 VRRM 50 100 200 400 600 800 VRMS 35 70 140 280 420 560 VDC 50 100 200 400 600 800 I(AV) IFSM 240 VF 1.0 IR 10 TJ -55 to+150	Symbol 10005 1001 1002 1004 1006 1008 1010 VRRM 50 100 200 400 600 800 1000 VRMS 35 70 140 280 420 560 700 VDC 50 100 200 400 600 800 1000 I(AV) 3.0 3.0 3.0 42

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

KBU10*-B/U-00/99-00/01 Rev. 11, 18-May-2020

Rating and Characteristic Curves KBU10005 THRU KBU1010





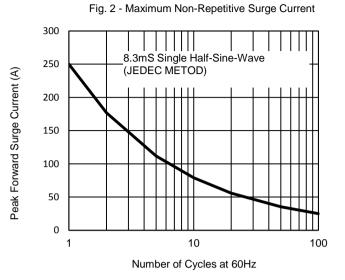
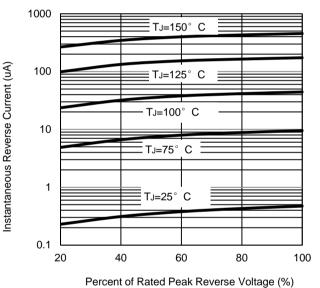
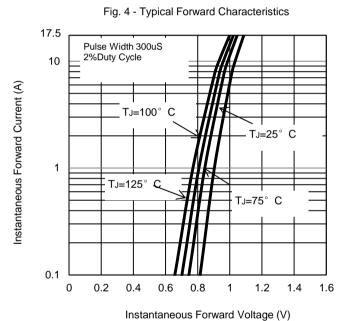


Fig. 3 - Typical Reverse Characteristics





The curve above is for reference only.



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