



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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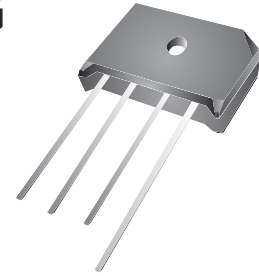


KBU35005-G Thru. KBU3510-G

Reverse Voltage: 50 to 1000V

Forward Current: 35.0A

RoHS Device

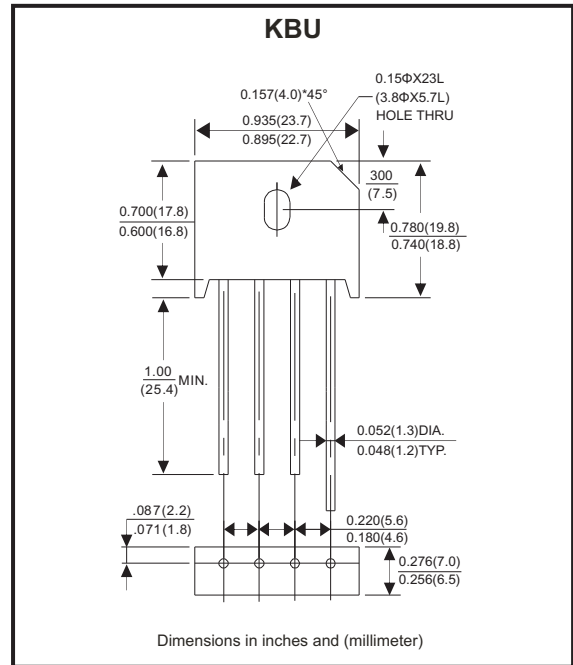


Features

- Surge overload rating -400 amperes peak.
- Ideal for printed circuit board.
- UL recognized file # E349301

Mechanical Data

- Epoxy: UL 94V-0 rate flame retardant.
- Case: Molded plastic, KBU
- Mounting position: Any
- Weight: 7.40 grams (approx.).



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%

Parameter	Symbol	KBU 35005-G	KBU 3501-G	KBU 3502-G	KBU 3504-G	KBU 3506-G	KBU 3508-G	KBU 3510-G	Unit	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V	
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V	
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V	
Max. Average Forward Rectified Current @Tc=100°C (with heatsink note 1) (without heatsink)	I_{AV}	35.0						4.2		A
Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Super Imposed On Rated Load (JEDEC Method)	I_{FSM}	400								A
Maximum Forward Voltage at 17.5A DC	V_F	1.1								V
Max. DC Reverse Current at Rated DC Blocking Voltage @Tj=25°C @Tj=125°C	I_R	10.0						500		μA
Operating Temperature Range	T_J	-55 to +150								°C
Storage Temperature Range	T_{STG}	-55 to +150								°C

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

Rating and Characteristics Curves (KBU35005-G Thru. KBU3510-G)

Fig.1 - Forward Current Derating Curve

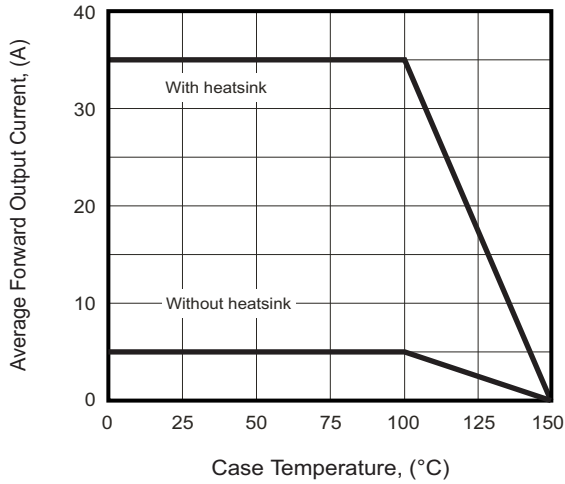


Fig.2 - Typical Forward Characteristics

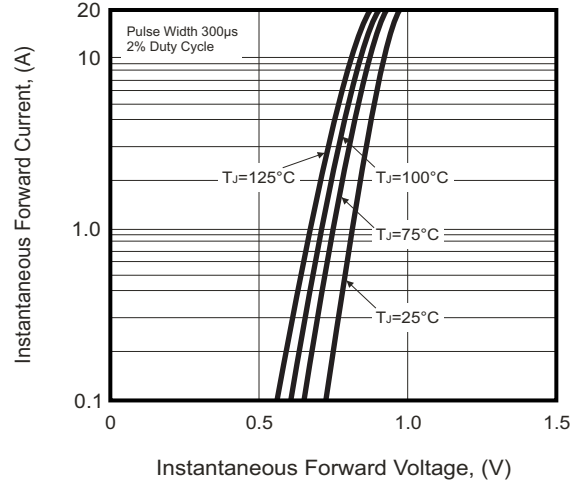


Fig.3 - Max. Non-Repetitive Surge Current

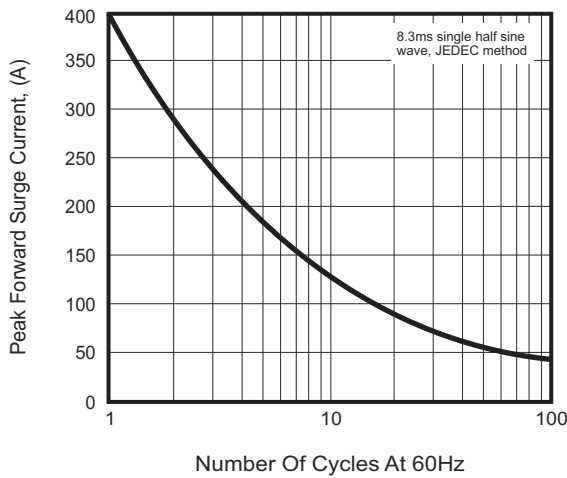
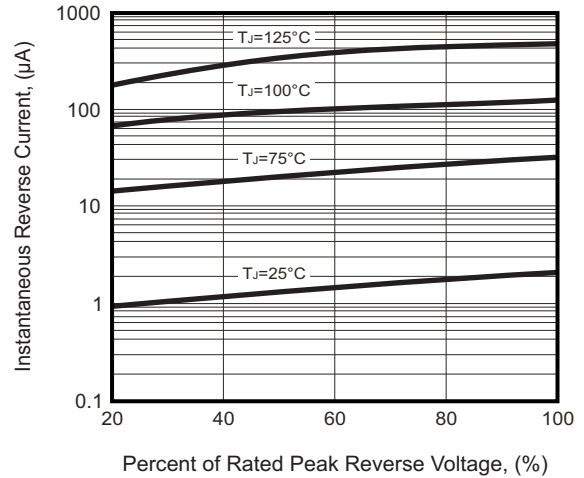
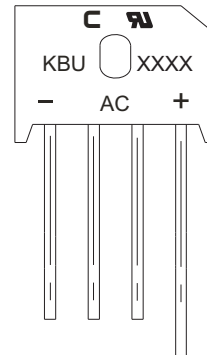


Fig.4 - Typical Reverse Characteristics



Marking Code

Part Number	Marking code
KBU35005-G	KBU35005
KBU3501-G	KBU3501
KBU3502-G	KBU3502
KBU3504-G	KBU3504
KBU3506-G	KBU3506
KBU3508-G	KBU3508
KBU3510-G	KBU3510



XXXXX / XXXX = Product type marking code

C = Compchip Logo

Standard Packaging

Case Type	BULK PACK	
	BOX (pcs)	Carton (pcs)
KBU	400	2,400