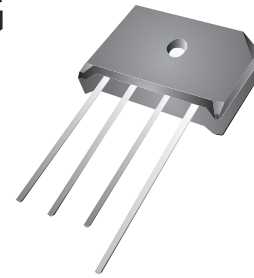


## KBU35005-G Thru. KBU3510-G

Reverse Voltage: 50 to 1000V

Forward Current: 35.0A

RoHS Device

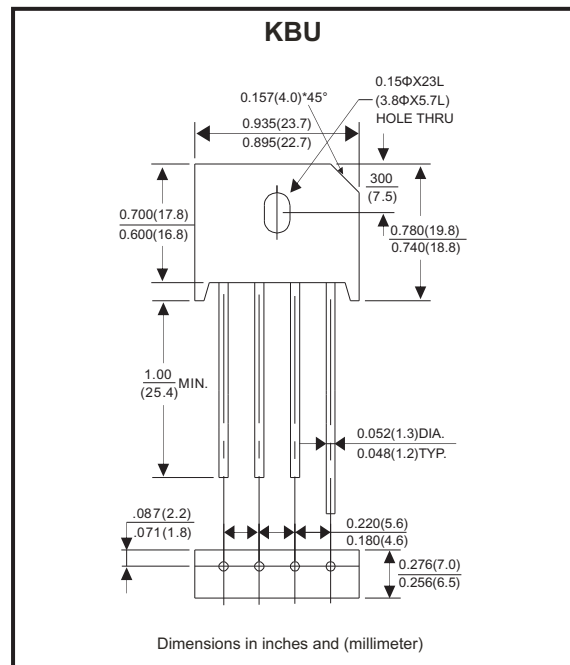


### Features

- 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 @T <sub>J</sub> =25°C @T <sub>J</sub> =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

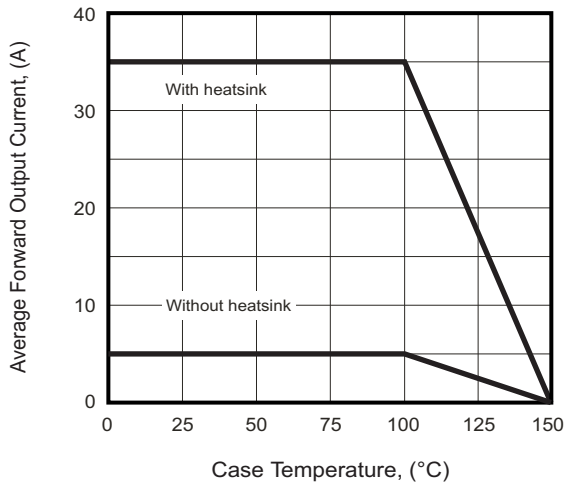


Fig.2 - Typical Forward Characteristics

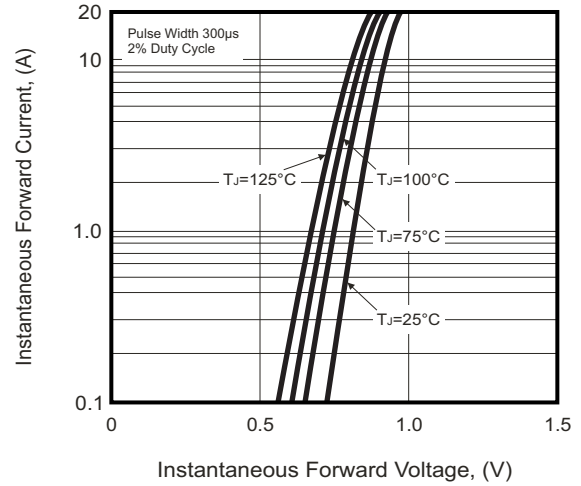


Fig.3 - Max. Non-Repetitive Surge Current

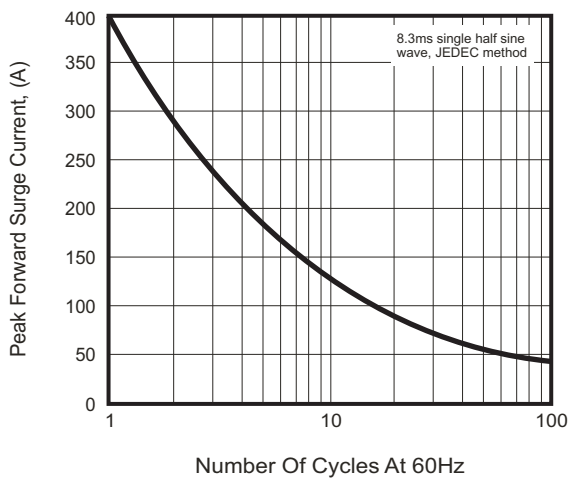
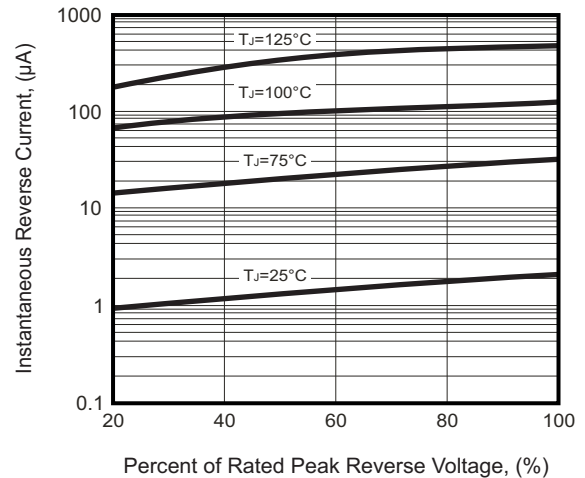
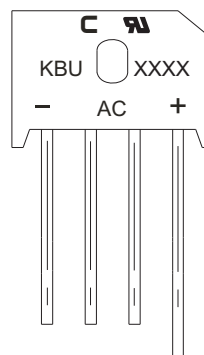


Fig.4 - Typical Reverse Characteristics



## 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

# Mouser Electronics

Authorized Distributor

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