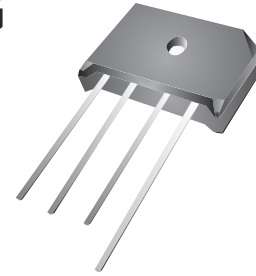


KBU25005-G Thru. KBU2510-G

Reverse Voltage: 50 to 1000V

Forward Current: 25.0A

RoHS Device

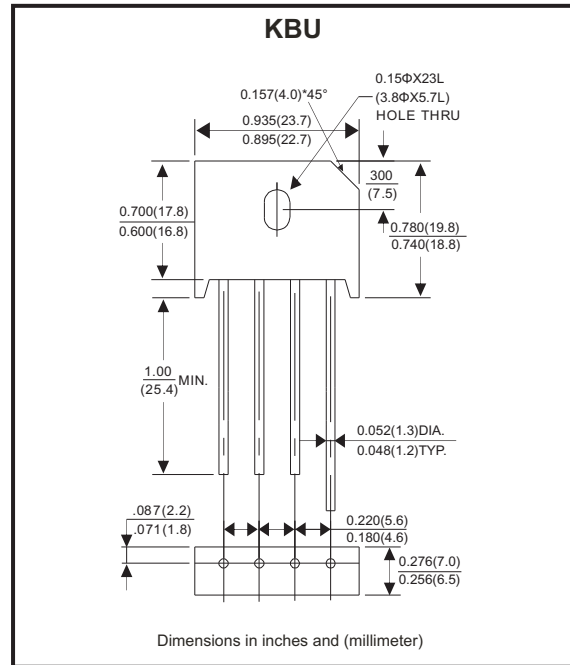


Features

- 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 25005-G	KBU 2501-G	KBU 2502-G	KBU 2504-G	KBU 2506-G	KBU 2508-G	KBU 2510-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}	25.0 3.6							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 12.5A 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 (KBU25005-G Thru. KBU2510-G)

Fig.1 - Derating Curve Output Rectified Current

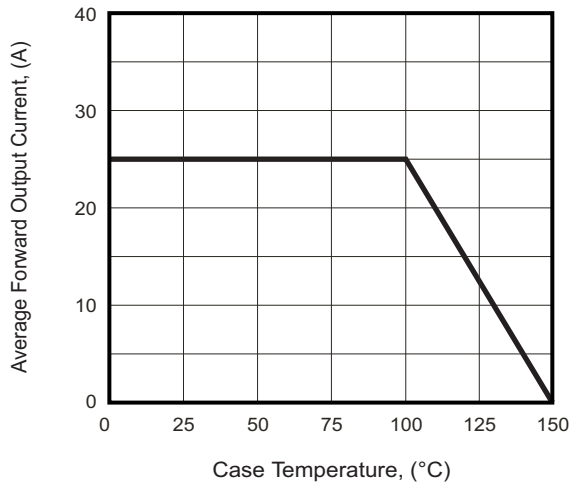


Fig.2 - Typical Forward Characteristics

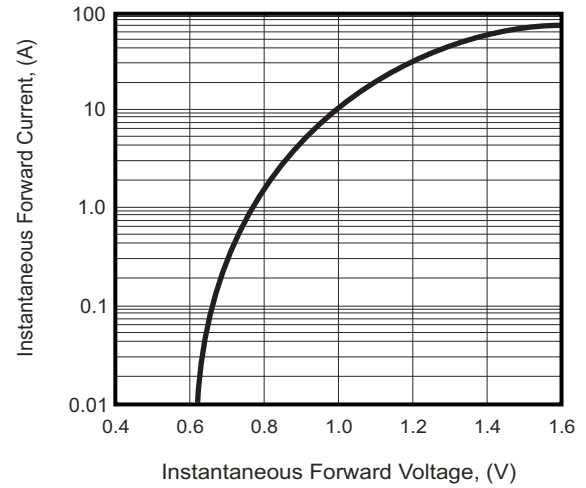


Fig.3 - Max. Forward Surge Current

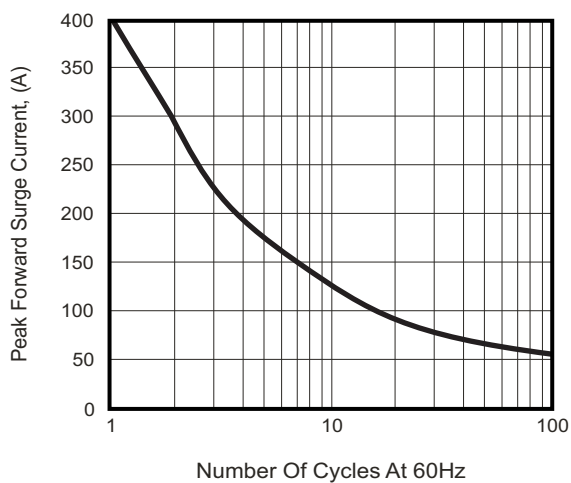
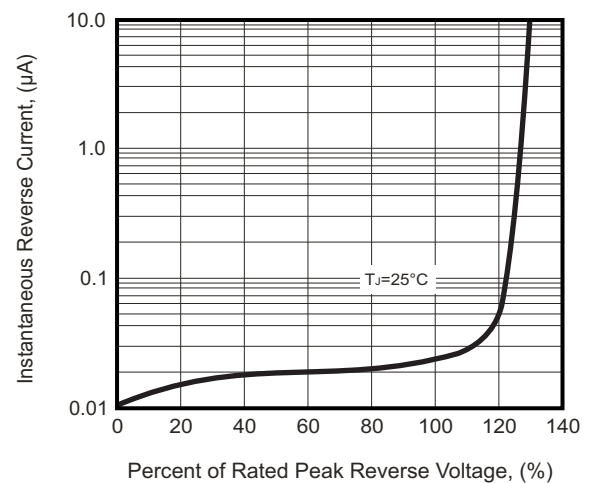
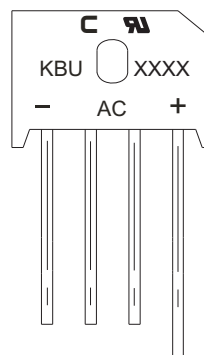


Fig.4 - Typical Reverse Characteristics



Marking Code

Part Number	Marking code
KBU25005-G	KBU25005
KBU2501-G	KBU2501
KBU2502-G	KBU2502
KBU2504-G	KBU2504
KBU2506-G	KBU2506
KBU2508-G	KBU2508
KBU2510-G	KBU2510



XXXXX / XXXX = Product type marking code

C = Compchip Logo

Standard Packaging

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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Bridge Rectifiers](#) category:

Click to view products by [Comchip](#) manufacturer:

Other Similar products are found below :

[MB2510](#) [MB252](#) [MB356G](#) [MB358G](#) [90MT160KPBF](#) [GBJ1504-BP](#) [GBU15J-BP](#) [GBU15K-BP](#) [GBU4A-BP](#) [GBU4D-BP](#) [GBU6B-E3/45](#)
[GSIB680-E3/45](#) [DB101-BP](#) [DF01](#) [DF10SA-E345](#) [KBPC50-10S](#) [RS405GL-BP](#) [G5SBA60-E3/51](#) [GBU10J-BP](#) [GBU6M](#) [GBU8D-BP](#)
[GBU8J-BP](#) [GSIB1520-E3/45](#) [36MB140A](#) [TB102M](#) [MB1510](#) [MB258](#) [MB6M-G](#) [MB86](#) [TL401G](#) [MDA920A2](#) [TU602](#) [TU810](#) [BR1005-BP](#)
[BR101-BP](#) [BR84DTP204](#) [BU2008-E3/51](#) [36MB100A](#) [KBPC10/15/2501WP](#) [KBPC25-02](#) [VS-2KBB60](#) [DF06SA-E345](#) [DF1510S](#) [VS-](#)
[40MT160PAPBF](#) [W02M](#) [GBL02-E3/45](#) [GBU4G-BP](#) [GBJ2506-BP](#) [GBU6B-E3/51](#) [GSIB15A80-E3/45](#)