

Bridge rectifier Diodes

Order code	Manufacturer code	Description
47-3214	n/a	KBU8D 8A 200V IN-LINE BRIDGE RECT
47-3216	n/a	KBU8K 8A 800V IN-LINE BRIDGE RECT

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The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003

Semiconductors – Discrete devices

8A in line bridge rectifiers

Features:

- Bridge rectifier in a plastic case with mounting hole
- Package material classification UL94-40
- Weight approx. 8g

Nominal current: 8A

Repetitive peak reverse voltage: 50...1000V

Maximum ratings:

Part no.	Repetitive peak reverse voltage* $V_{RRM}(V)$	Surge peak reverse voltage* $V_{RSM}(V)$
KBU8D	200	250
KBU8K	800	1000

Nominal current at half wave rectif., with resistive load, T_A 50°C:	I_{FAV}	8A
Repetitive peak forward current:	I_{FRM}	50A
Surge forward current:	I_{FSM}	300A
Junction temperature:	T_J	150°C
Operating temperature:	T_A	-40 to 150°C
Storage temperature:	T_S	-40 to 150°C

Characteristics:

Forward voltage at nominal current, $T_A = 25^\circ\text{C}$:	V_F	<1.0V
Leakage current at V_{RRM} , $T_A = 25^\circ\text{C}$:	I_R	<10A
Thermal resistance Junction to case:	R_{Thc}	<3.3K/W

* Valid if leads are kept at ambient temperature at a distance of 10mm from case

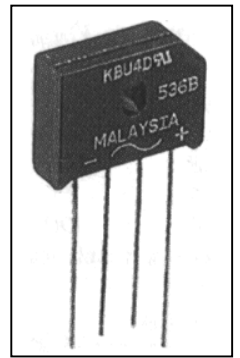
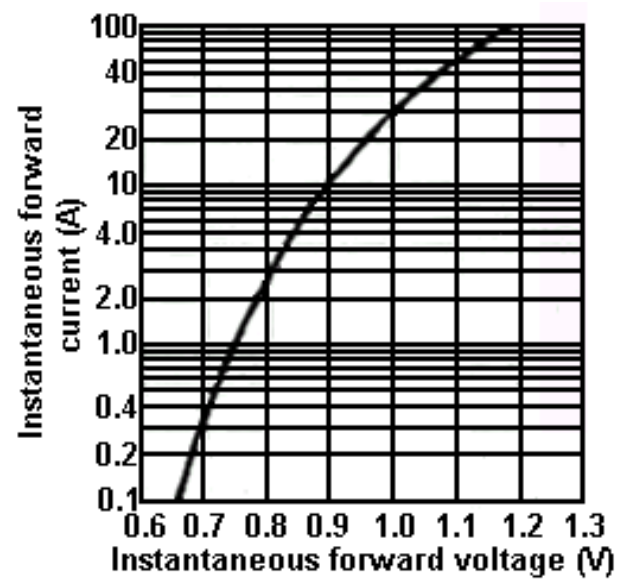


Fig.2 – Typical instantaneous forward characteristics per element:



Dimensions:

