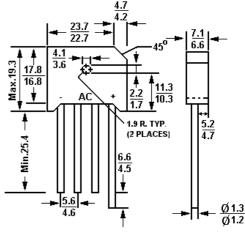
KBU4A THRU KBU4M

SINGLE – PHASE BRIDGE RECTIFIERS Reverse Voltage – 50 to 1000 Volts

Forward Current - 4.0 Amperes

Features

- Ideal for printed circuit board.
- Reliable low cost construction utilizing molded plastic technique
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0.
- Surge overload rating:200 amperes peak.
- Mounting Position: Any



Dimensions in mm

Absolute Maximum Ratings and Characteristics

Ratings at 25°Cambient temperature unless otherwise specified. Resistive or inductive load, 60Hz, For capacitive load, derate current by 20%.

	Symbols	KBU 4A	KBU 4B	KBU 4D	KBU 4G	KBU 4J	KBU 4K	KBU 4M	Units
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS bridge input voltage	V _{RMS}	35	70	140	280	420	560	700	٧
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	٧
Maximum average forward rectified output current at $T_C = 100$ °C, $T_A = 65$ °C/ 40 °C/ 45 °C	I _(AV)	4 4							Α
Peak forward surge current 8.3mS single half sine-wave superimposed on rated load (MIL-STD-750 method 4066)	I _{FSM}	200							Α
Maximum instantanous forward voltage drop per element at 3.0A/3.0A/8.0A	V _F	1							٧
Maximum DC reverse leakage at rated $T_A = 25$ °C DC blocking voltage per element $T_C = 100$ °C	I _R	10 100							μA mA
Operating and storage temperature range	T _J ,T _S	-65 to +150							οС



SEMTECH ELECTRONICS LTD.

(Subsidiary of Semtech International Holdings Limited, acompany listed on the Hong Kong Stock Exchange, Stock Code: 724)







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