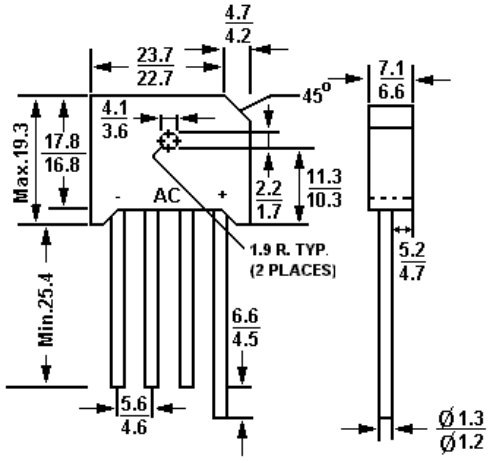
KBU4A THRU KBU4M

SINGLE – PHASE BRIDGE RECTIFIERS
Reverse Voltage – 50 to 1000 Volts
Forward Current – 4.0 Amperes



Dimensions in mm

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

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	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum average forward rectified output current at T_C = 100 °C, T_A = 65 °C/ 40 °C/ 45 °C	$I_{(AV)}$	4 4							A
Peak forward surge current 8.3mS single half sine-wave superimposed on rated load (MIL-STD-750 method 4066)	I_{FSM}	200							A
Maximum instantanous forward voltage drop per element at 3.0A/3.0A/8.0A	V_F	1							V
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							°C