

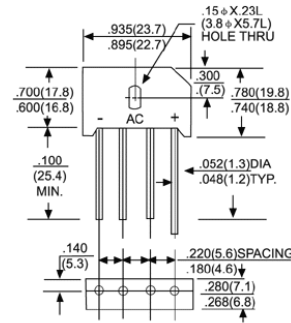
KBU/RS 4A/6A/8A SERIES

**SINGLE PHASE 4.0/6.0/8.0AMPS.
SILICON BRIDGE
RECTIFIERS**

**Voltage Range
50 to 1000 Volts
Current
4.0/6.0/8.0 Amperes**

FEATURES

- UL Recognized File # E-230084
- Surge overload rating - 200 ~ 300 amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- Mounting Position: Any
- Mounting Torque: 5 In. lb. Max.



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 50Hz, resistive or inductive load.
For capacitive load, derate current by 20%

Type Number		KBU4005	KBU401	KBU402	KBU404	KBU406	KBU408	KBU410	UNITS
		KBU6005	KBU601	KBU602	KBU604	KBU606	KBU608	KBU610	
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge 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 Current at T _C =100°C, T _A =50°C/40°C/45°C	I _{F(AV)}		4.0 4.0			6.0 6.0		8.0 6.0	A
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	I _{FSM}		200			250		300	A
Maximum Instantaneous Forward Voltage Drop Per Leg at 2.0A/3.0A/4.0A	V _F		1.0			1.0		1.0	V
Maximum Reverse Leakage at rated V _R , T _A =25°C, T _C =100°C	I _R		10 1			10 1		10 1	µA mA
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150							°C

RATING AND CHARACTERISTIC CURVES KBU/RS 4A/6A/8A SERIES

