



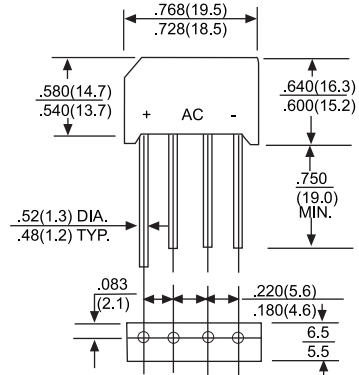
KBL4/RS4L/KBL6 SERIES

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

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

FEATURES

- UL Recognized File # E-230084
- Surge overload rating - 200 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory
Flammability Classification 94V-0
- Mounting Position: Any



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		KBL6005	KBL601	KBL602	KBL604	KBL606	KBL608	KBL610	UNITS	
		RS401L	RS402L	RS403L	RS404L	RS405L	RS406L	RS407L		
		KBL4005	KBL401	KBL402	KBL404	KBL406	KBL408	KBL410		
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 Current @ T _A =50°C T _A (Note 1)	I _{F(AV)}	4.0				6.0				A
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load	I _{FSM}	150				200				A
Maximum DC Reverse Voltage Drop Per Leg	V _F	KBL4@4.0A KBL6@6.0A				1.0 1.05				V
Maximum Reverse Current at Rated DC Blocking Voltage	I _R	T _A =25°C T _A =100°C				10.0 500				µA
Operating and Storage Temperature Range T _A	T _J , T _{STG}					-55 to +150				°C

NOTES: 1. Mounting conditions, 0.5" lead length maximum.