

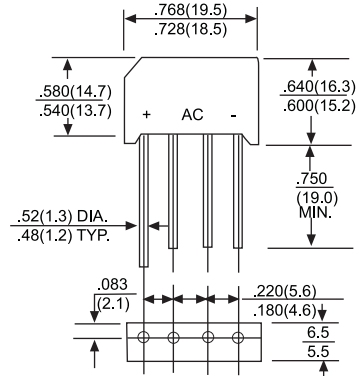
KBL4/RS4L/KBL6 SERIES

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)	KBL4 KBL6 I _{F(AV)}	4.0 6.0							A
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load	KBL4 KBL6 I _{FSM}	150 200							A
Maximum DC Reverse Voltage Drop Per Leg	KBL4@4.0A KBL6@6.0A V _F	1.0 1.05							V
Maximum Reverse Current at Rated DC Blocking Voltage	T _A =25°C T _A =100°C I _R	10.0 500							uA
Operating and Storage Temperature Range T _A	T _J ,T _{STG}	-55 to+150							°C

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

RATING AND CHARACTERISTIC CURVES

KBL4/RS4L/KBL6 SERIES

FIG.1 - MAXIMUN FORWARD SURGE CURRENT

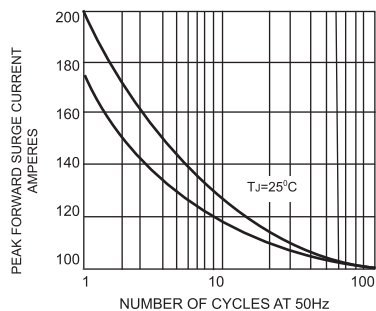


FIG.2 - DERATING CURVE
OUTPUT RECTIFIED CURRENT

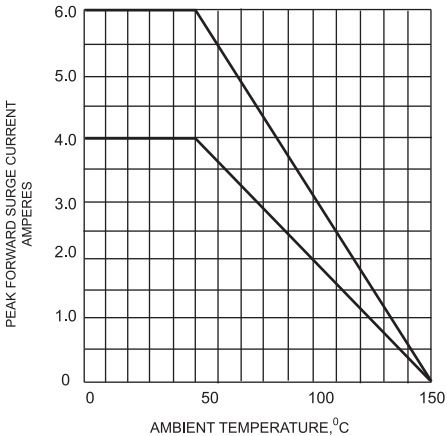


FIG.3 - TYPICAL FORWARD
CHARACTERISTICS

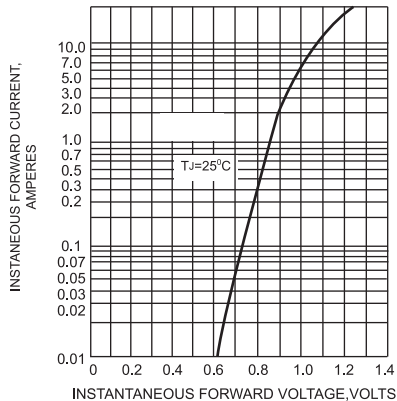


FIG.4 - TYPICAL REVERSE
CHARACTERISTICS

