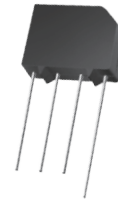


KBL4 SERIES

SINGLE PHASE 4.0 AMPS. GLASS PASSIVATED BRIDGE RECTIFIER

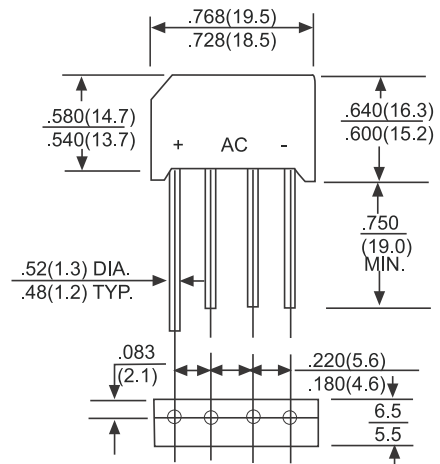
Voltage Range - 50 to 1000 Volts
Current - 4.0 Amperes



FEATURES

- ◆ Surge overload ratings to 200 amperes peak
- ◆ Ideal for printed circuit board
- ◆ Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- ◆ Mounting Position: Any

KBL



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

Type Number		KBL4005	KBL401	KBL402	KBL404	KBL406	KBL408	KBL410	UNITS
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

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

RATINGS AND CHARACTERISTIC CURVES KBL4005 THUR KBL410

FIG.1 - MAXIMUM FORWARD SURGE CURRENT

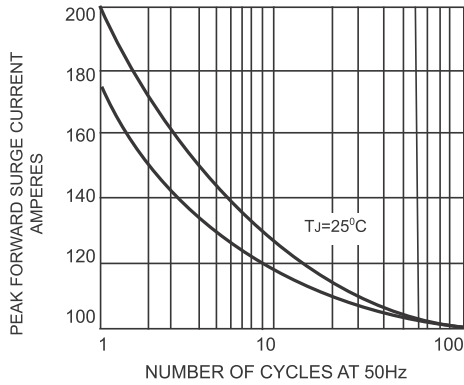


FIG.2 - DERATING CURVE
OUTPUT RECTIFIED CURRENT

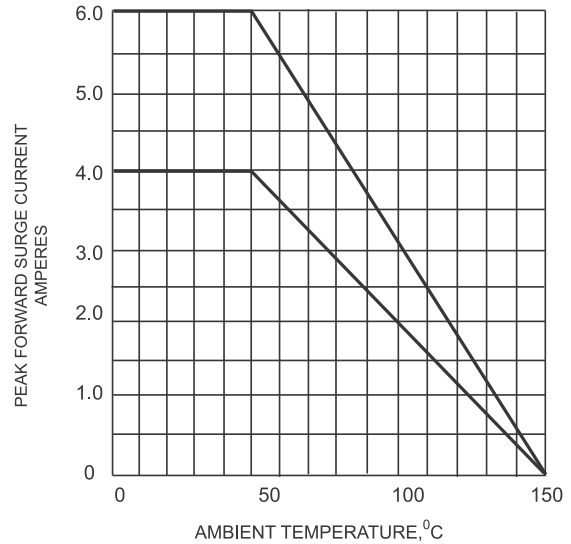


FIG.3 - TYPICAL FORWARD
CHARACTERISTICS

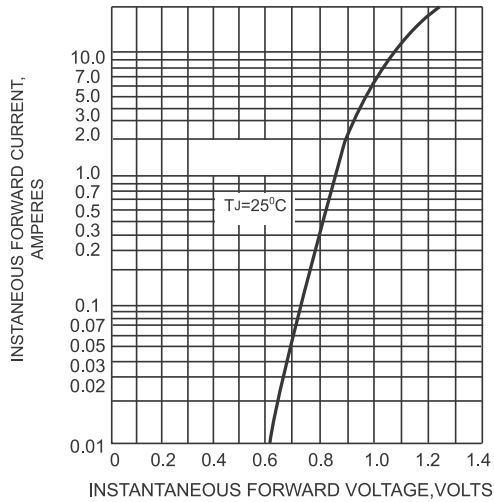


FIG.4 - TYPICAL REVERSE
CHARACTERISTICS

