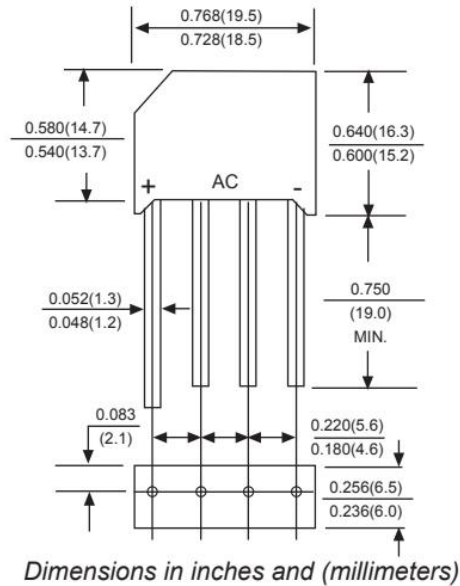


FEATURES

- * Ideal for printed circuit board
- * Low forward voltage
- * Low leakage current
- * Polarity: marked on body
- * Mounting position: Any

VOLTAGE RANGE
 50 to 1000 Volts
CURRENT
 4.0 Amperes



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Rating 25 C ambient temperature unless otherwise specified.
 Single phase half wave, 60Hz, resistive or inductive load.
 For capacitive load, derate current by 20%.

TYPE NUMBER	KBL406	KBL408	KBL410	UNITS
Maximum Recurrent Peak Reverse Voltage	600	800	1000	V
Maximum RMS Voltage	420	560	700	V
Maximum DC Blocking Voltage	600	800	1000	V
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length at Ta=50 C		4.0		A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)		150		A
Maximum Forward Voltage Drop per Bridge Element at 4.0A D.C.		1.0		V
Maximum DC Reverse Current Ta=25 C		5		µA
at Rated DC Blocking Voltage Ta=100 C		500		A
Operating Temperature Range, T _J		-65 — +150		C
Storage Temperature Range, T _{STG}		-65 — +150		C

RATING AND CHARACTERISTIC CURVES (KBL406 THRU KBL410)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

AVERAGE FORWARD CURRENT, (A)



FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

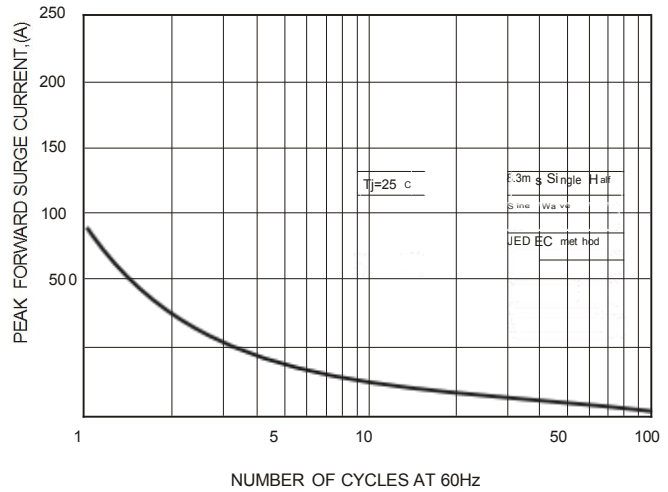


FIG.3-TYPICAL FORWARD CHARACTERISTICS

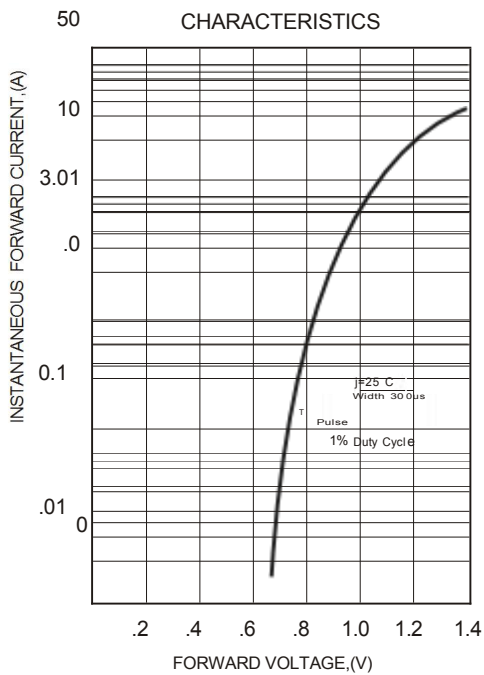


FIG.4-TYPICAL REVERSE CHARACTERISTICS

