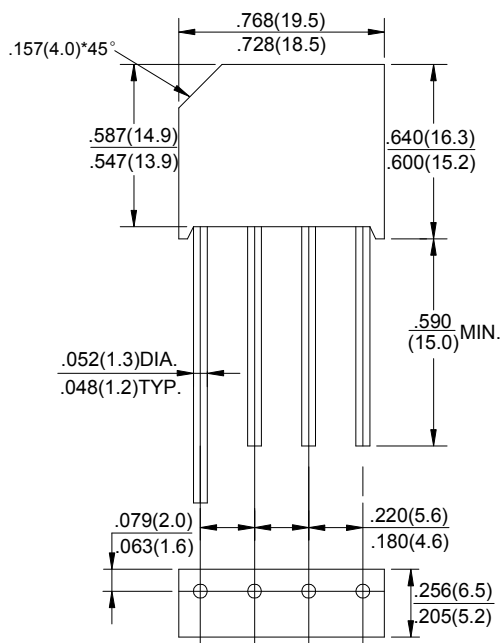


FEATURES

- Surge overload rating - 120 Amperes peak
- Ideal for printed circuit board
- Plastic material has UL flammability classification 94V-0
- Mounting position :Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Package: KBL

CHARACTERISTICS	SYMBOL	KBL 4005G	KBL 401G	KBL 402G	KBL 404G	KBL 406G	KBL 408G	KBL 410G	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	VRMS	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 Output Current at 50°C T _A (Note1)	I <sub(av)< sub=""></sub(av)<>	4.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	I _{FSM}	120							A
Maximum Forward Voltage Drop Per Element at @IF=2A @IF=4A	V _F	1.0 1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	10.0							uA
Typical thermal resistance	R _{θJA} R _{θJL}	2.4 19							°C/W
Maximum Reverse Current at Rated DC Blocking Voltage and 125°C T _A	I _R	0.5							mA
Operating Temperature Range T _J	T _J	-55 to +150							°C
Storage Temperature Range T _A	T _{STG}	-55 to +150							°C

NOTES: Mounting conditions ,0.5 lead length maximum.

RATING AND CHARACTERISTIC CURVES

