

KBL400 Thru KBL410

Reverse Voltage: 50 - 1000 Volts

Forward Current: 4.0 Amp

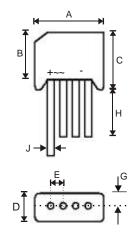
Features

- Diffused Junction
- Low Forward Voltage Drop
- High Reliability
- High Current Capability
- High Surge Current Capability
- Ideal for Printed Circuit Boards

Mechanical Data

- Case: Molded Plastic
- Terminals: Plated Leads Solderable per MIL STD-202, Method 208
- Weight: 5.6 grams (approx.)
- Mounting Position: Any





Dim	Min	Мах
	18.50	19.50
	13.70	14.70
	15.20	16.30
	6.00	6.50
	4.60	5.60
	-	2.10
	19.00	-
	1.20	1.30

Maximum Ratings and Electrical Characterics Rating at 25°C unless otherwise specified.

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

CHARACTERISTICS		KBL 400	KBL 401	KBL 402	KBL 404	KBL 406	KBL 408	KBL 410	UNIT
Peak Repetitive Reverse Voltage									
Working Peak Reverse Voltage		50	100	200	400	600	800	1000	V
DC Blocking Voltage									
RMS Reverse Voltage		35	70	140	280	420	560	700	V
Average Rectified Output Current (Note1) @ T _A = 75°C		4							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)		150							Α
Forward Voltage (per element) @I _F = 2.0A		1.1							V
Peak Reverse Current @T _C = 25°C At Rated DC Blocking Voltage @T _C = 100°C		10 1.0							uA mA
I ² t Rating for Fusing (t < 8.3ms) (Note1)		166							A ² s
Typical Thermal Resistance (Note2)		19							K/W
Operating and Storage Temperature Range		-65 to +125							°C

Note: 1. Non-repetitive for t > 1ms and < 8.3ms.

2. Thermal resistance junction to ambient mounted on PC board with 13.0 x 13.0 x 0.03mm thick land areas.



Rating and Characteristic Curves (KBL400 thru 410)

FIG.1- MAXIMUM NON-REPETITIVE PEAK Fwd SURGE CURRENT

