



# BLA ETECH PVT. LTD.

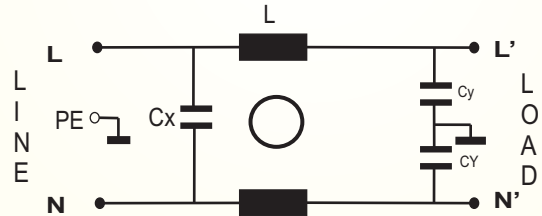
EMC, EMI FILTER & POWER SOLUTION

## Single Phase Filter BLPCB100-XX-H

PCB mounting filter with very low cost and small size



### CIRCUIT DIAGRAM:



### Technical Specification

Max Rated Voltage 120/250 VAC

Operating Frequency 50/60Hz

Rated Current 1A to 6A @40°C

Hipot Test Voltage-

L-L 1450VDC 1min

L-G 2820VDC 1min

Temperature Range -25 to +85°C

- Rated currents from 1 to 6A.
- Also available in DC (1A/3A).
- Compact unit, light weight ,PCB mounting.
- High quality components ensure the safety and reliability of filter.

### Applications:

- Power Control Equipment for AC Lines.
- PCB, modular power supply and mini electronic instruments.
- Protection of Equipment Connected to Telephone or Signal Lines, Such as Security Systems, railroad Equipment, Fire Alarm Systems, Etc.
- Scaled-down versions of these devices are sometimes installed in residential service entrance electrical panels, to protect equipment in a household from similar hazards

### Features:

- General purpose filter providing EMI suppression of both L-L and L-G noise.
- Excellent interference suppression performance for CM and DM.
- No Extinguishing or Follow-On Current Limitations.

### Benefits:

- Eliminates Dangerous Voltage Transients.
- Lowers Overall System Costs by Reducing Downtime and Maintenance Costs.
- Improves Component and System Reliability.
- Reduces EMP/RFI Interference.

# FILTERS SELECTION TABLE

SN	PART NO	RATED CURRENT @40°C A	LEAKAGE CURRENT 250V/50Hz mA	MECHANICAL DIMENSIONS L X W X H (mm)	CONNECTION TYPE
1	BLPCB100-1-H	1	0.5	25 X 25 X 21	HOLE MOUNTING
2	BLPCB100-3-H	3	0.5	25 X 25 X 21	HOLE MOUNTING
3	BLPCB100-6-H	6	0.5	25 X 25 X 21	HOLE MOUNTING

- The BLPCB100-XX-H also offer good range amperage ratio/size and cover large scale usage
- BLPCB100-XX-H are also available in DC versions.
- BLPCB100-XX-H are also available in 1A and 3A VDC category for DC drive system

REMARK

\*\* Mounting hole depends on wire size

# INSERTION LOSS(dB)

## 1A

MHZ	0.5	1	2	5	10
CM	39	43	44	44	50
DM	19	27	35	44	45

## 3A

MHZ	0.5	1	2	5	10
CM	32	36	36	35	26
DM	17	23	33	37	38

## 6A

MHZ	0.5	1	2	5	10
CM	22	28	34	44	41
DM	16	21	36	40	40

## CORPORATE OFFICE AND MANUFACTURING UNIT

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