

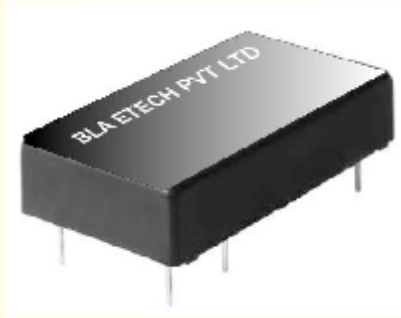


# BLA ETECH PVT. LTD.

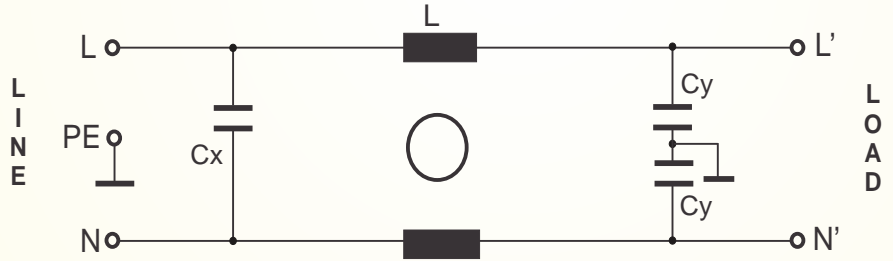
EMC, EMI FILTER & POWER SOLUTION

## Single Phase Filter BLPCB05-XX-X

General Purpose Entry Module EMI Filter



### CIRCUIT DIAGRAM:



### Technical Specification

Max Rated Voltage 250VAC

Operating Frequency DC-400Hz

Rated Current 0.5A to 10A @40°C

Hipot Test Voltage-

L-L 1100 VDC 2sec

L-G 2850 VDC 2sec

Temperature Range -25 to +85°C(25/85/21)

- Rated currents from 0.5 to 10A
- Single stage filter
- High differential mode attenuation

### Applications:

- Industrial Equipment Vulnerable to Transients on the AC Power Line (Computers, Traffic Controls, Etc.)
- Communications systems and other industrial systems,
- Protection of Equipment Connected to Telephone or Signal Lines, Such as Security Systems, Railroad Equipment, Fire Alarm Systems, Etc
- For the purpose of protecting against electrical surges and spikes, including those caused by lightning.
- Arc Suppression Across Relay and Switch Contacts
- 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:

- Nanosecond Switching Response Time, <15 ns, with Minimal Lead Length.
- Various noisy applications requires high performance filter.
- No Extinguishing or Follow-On Current Limitations.

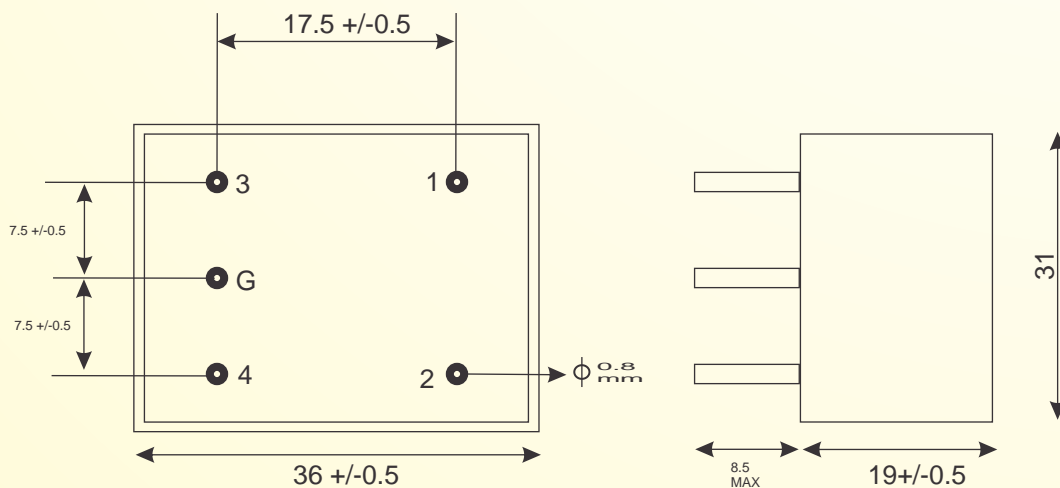
### Benefits:

- 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 DIMENSION L X W X H (mm)	CONNECTION TYPE
1	BLPCB05-0.5-H	0.5	0.4	36 X 31 X 19	HOLE MOUNTING
2	BLPCB05-01-H	1	0.4	36 X 31 X 19	HOLE MOUNTING
3	BLPCB05-03-H	3	0.4	36 X 31 X 19	HOLE MOUNTING
4	BLPCB05-06-H	6	0.4	36 X 31 X 19	HOLE MOUNTING
5	BLPCB05-10-H	10	0.4	36 X 31 X 19	HOLE MOUNTING

## MECHANICAL DETAIL



## REMARK

All dimension are in mm

# INSERTION LOSS(dB)

## 0.5A

MHZ	0.5	1	2	5	10
CM	32	35	37	41	42
DM	19	23	33	44	45

## 1A

MHZ	0.5	1	2	5	10
CM	27	33	39	41	43
DM	17	21	35	44	44

## 3A

MHZ	0.5	1	2	5	10
CM	22	26	31	39	43
DM	16	21	31	38	42

## 6A

MHZ	0.5	1	2	5	10
CM	15	19	28	33	39
DM	14	18	27	34	42

## 10A

MHZ	0.5	1	2	5	10
CM	12	26	35	39	50
DM	16	21	30	41	45

## CORPORATE OFFICE AND MANUFACTURING UNIT

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