



BLA ETECH PVT. LTD.

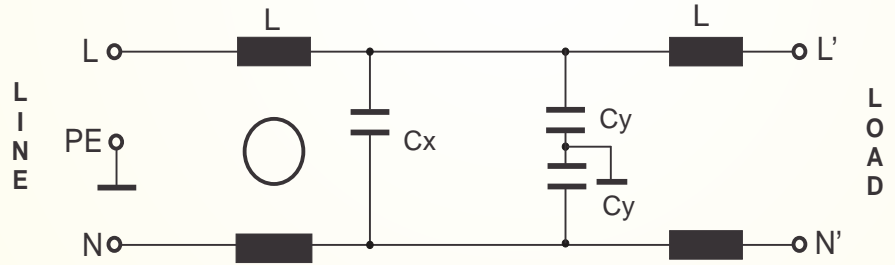
EMC, EMI FILTER & POWER SOLUTION

Single Phase Filter BLPCB10-XX-X

High performance dual stage EMI FILTER



CIRCUIT DIAGRAM:



Technical Specification

Max Rated Voltage 250VAC

Operating Frequency DC-400Hz

Rated Current 0.5A to 6A @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 6A
- Dual stage filter
- High differential mode attenuation and common mode attenuation
- PCB mountable construction

Applications:

- Industrial Equipment Vulnerable to Transients on the AC Power Line (Computers, Traffic Controls, Etc.)
- Communications systems and other industrial systems, household applications
- 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.

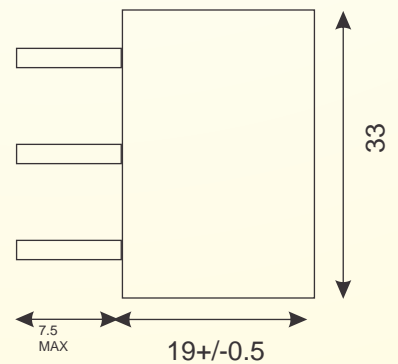
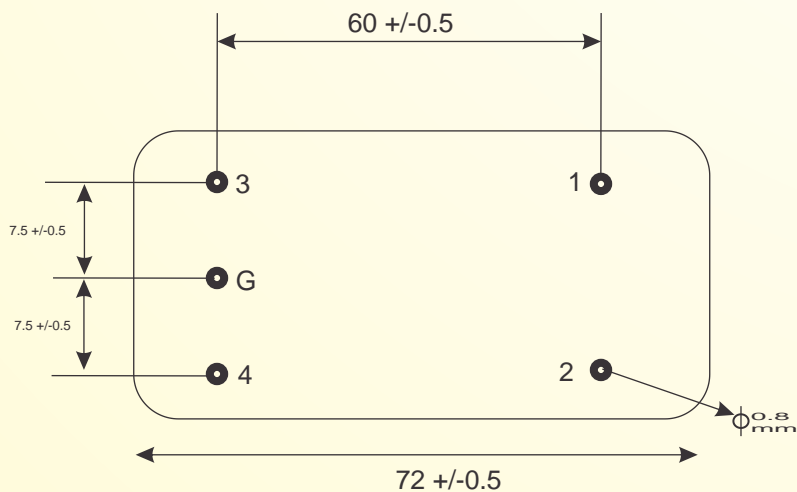
Benefits:

- 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	BLPCB10-0.5-H	0.5	0.4	33 X 72 X 19	HOLE MOUNTING
2	BLPCB10-01-H	1	0.4	33 X 72 X 19	HOLE MOUNTING
3	BLPCB10-03-H	3	0.4	33 X 72 X 19	HOLE MOUNTING
4	BLPCB10-06-H	6	0.4	33 X 72 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	61	80	71	42
DM	20	40	60	55	45

1A

MHZ	0.5	1	2	5	10
CM	37	53	69	41	43
DM	27	43	65	44	34

3A

MHZ	0.5	1	2	5	10
CM	40	63	78	59	43
DM	26	29	31	47	42

6A

MHZ	0.5	1	2	5	10
CM	35	71	74	65	39
DM	21	28	39	52	42

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