



BLA ETECH PVT. LTD.

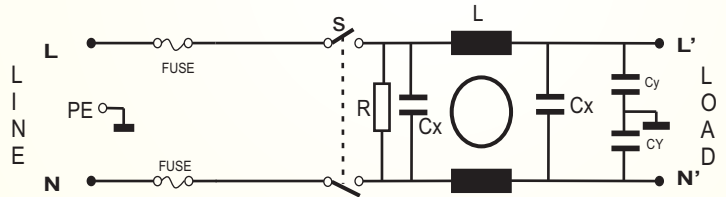
EMC, EMI FILTER & POWER SOLUTION

Single Phase Filter BLAQ03-XXX-F

Power Entry Filter with fuse and switch with high performance



CIRCUIT DIAGRAM:



Technical Specification

Max Rated Voltage 120/250 VAC

Operating Frequency 50/60Hz

Rated Current 1A to 10A @40°C

Hipot Test Voltage-

L-L 1450 VDC 1min

L-G 2820 VDC 1min

Temperature Range -25 to +85°C

- Rated currents from 1 to 10A.
- Low cost.
- Supply special low leakage current for medical devices.
- Dual fuse protection with switch

Applications:

- Power Control Equipment for AC Lines.
- Industrial Equipment Vulnerable to Transients on the DC Power Line (Computers, Traffic Controls, Motor Controllers, Etc.)
- Communications systems and IT systems.
- Protection of Equipment Connected to Telephone or Signal Lines, Such as Security Systems, Railroad Equipment, Fire Alarm Systems, Etc.
- Thyristor Driven control equipment .
- 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.
- 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 EMC/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	BLAQ03-1-F	1	0.3	67 X 52.2 X 67.2	FAST ON
2	BLAQ03-3-F	3	0.3	67 X 52.2 X 67.2	FAST ON
3	BLAQ03-6-F	6	0.3	67 X 52.2 X 67.2	FAST ON
4	BLAQ03-10-F	10	0.3	67 X 52.2 X 67.2	FAST ON

- The BLAQ03-XXX-F also offer good range amperage ratio/size and cover large scale usage
- BLAQ03-XXX-F supply special low leakage current for medical devices, and accept custom design filter.

REMARK

** FASTON TERMINAL SIZE 6.38 X 0.8 mm

INSERTION LOSS(dB)

1A

MHZ	0.5	1	2	5	10
CM	39	41	40	37	38
DM	19	28	35	42	42

3A

MHZ	0.5	1	2	5	10
CM	28	33	36	38	39
DM	21	23	34	43	45

6A

MHZ	0.5	1	2	5	10
CM	22	28	33	44	46
DM	16	21	30	41	44

10A

MHZ	0.5	1	2	5	10
CM	15	21	28	33	39
DM	14	10	42	54	44

CORPORATE OFFICE AND MANUFACTURING UNIT

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