



Corcom FB Power Line Filters

EVERY CONNECTION COUNTS



Corcom FB Series

Basic Information



- Designed to bring lighting devices, fluorescent lamp and related lighting ballasts in compliance with international EMI requirements
- For use in all types of LED Lights
- Current ratings range from .5 up to 5A
- Good attenuation in the frequency range of 100kHz to 30MHz.
- Products listed to UL 935, the industry standard for fluorescent ballasts

Corcom FB Series

Features

- Solid, not stranded lead wire termination
- Screw mounting design
- Fits standard lighting tracks
- Compact size
- Light weight
- Ambient temperature 50° C
- Voltage rating 277 VAC/VDC (UL935)
- Voltage rating of 250VAC (VDE)
- Available current rating: .5; 1; 2; 3 & 5A
- Strong differential mode performance
- UL Listed to UL935
- UL Recognized to UL1283
- CSA Certified to CSA 22.2#8
- VDE Approved to EN60939-2



Corcom FB Series

Electrical & Performance Data

ELECTRICAL SPECIFICATION

Max. Leakage current each Line to Ground:	@ 277 VAC 60 Hz:	.28 mA
	@250 VAC 50Hz:	.21 mA
Hipot rating (one minute):	Line to Ground:	2300 VDC
	Line to Line:	1853 VDC
Rated Voltage (max.):	277 VAC / 277 VDC*	
Operating Frequency:	50/60 Hz	
Rated Current:	0.5 to 5A	

* VDE Approved at 250 VAC & 250 VDC

PERFORMANCE DATA

Minimum Insertion Loss - Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Part No.	Frequency — MHz								
	.03	.05	.1	.5	1	5	10	20	30
HFB3	4	8	12	26	32	45	44	38	42
2FB3	3	7	13	28	34	45	44	41	41
3FB3	-	1	6	20	26	41	41	47	50
5FB3	-	2	5	21	26	41	40	44	48

Differential Mode / Symmetrical (Line to Line)

Part No.	Frequency — MHz								
	.03	.05	.1	.5	1	5	10	20	30
HFB3	6	11	20	43	51	55	51	42	41
2FB3	6	11	20	43	51	51	44	40	39
3FB3	6	10	17	37	47	54	48	44	42
5FB3	6	10	16	31	40	51	47	44	41

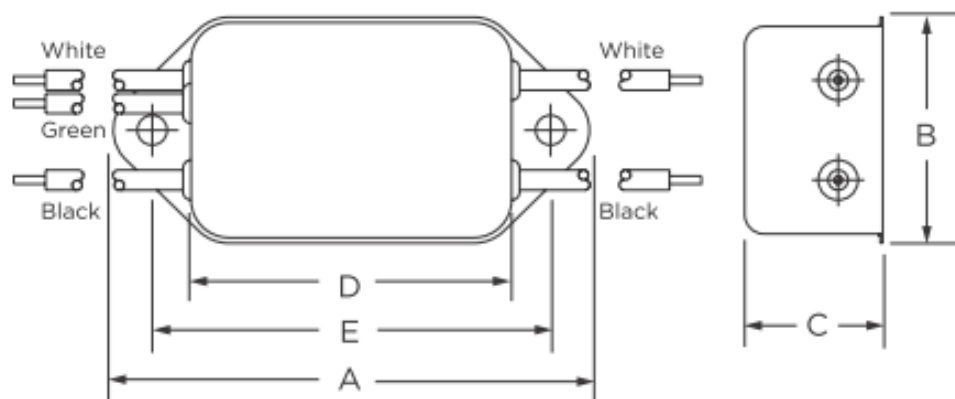
ELECTRICAL SCHEMATIC



Corcom FB Series

Mechanical Specifications

CASE STYLES



DIMENSIONS

Part Numbers	A (max)	B (max)	C (max)	D (max)	E ± 0.025 ± 0.635
FB Series	3.0	1.42	.875	2.03	2.5
	76.2	36.07	22.23	51.56	63.5

Corcom FB Series

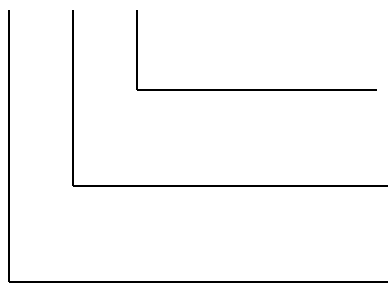
General Specifications

- Maximum Leakage Current (Each line to ground):
0.28mA @ 277V / 60Hz
0.21mA @ 250V / 50Hz
- Operating Ambient Temperature Range:
- 10° C to + 50° C @ rated current
- Recommended Receiving Inspection Hipot:
Line to Ground: 2300VDC for 1 minute
Line to Line: 1853VDC for 1 minute
- Storage temperature:
-40° C to +85° C
- Wire length & diameter:
7.00 (178 mm) / AWG18
- Mounting holes diameter:
.188 (4.78 mm)

- Fluorescent ballasts
- LED displays
- Office and Hospital lighting
- Architectural lighting
- Outdoor lighting & signage
- UV curing lights
- Lower current industrial applications (AC or DC rated)
- Wide range of other single phase applications

Ordering Information

3 FB 3



Terminal Type

3 – wire leads AWG18

FB Series

Current Rating

0.5 (=H), 2, 3, 5A

Part Numbers

- 8-1609095-8: 0.5A FB Series with wire leads (HFB3)
- 8-1609095-9: 2.0A FB Series with wire leads (2FB3)
- 9-1609095-0: 3.0A FB Series with wire leads (3FB3)
- 9-1609095-1: 5.0A FB Series with wire leads (5FB3)

Packaging

- Minimum order quantity (MOQ) & Shipper package: 1 Box / 80 pcs.

Contact Information

- Karen Richardt, Global & NA Product Manager
+1-847- 573-6522 karen.richardt@te.com
- Christian Heinze, EMEA Product Manager
+49-89-6089176 christian.heinze@te.com
- Asam Jiang, AP Product Manager
+86-21-33980173 asam.jiang@te.com
- Website: www.corcom.com or TE.com