

CORCOM FB SERIES

Standard Performance FBL

TE Connectivity (TE) adds more range to the FB series product line with new part numbers designated with FBL. FBL is part of the FB series and is targeted toward applications that need standard EMI performance levels. LED Drivers have different levels of integrated filtering but when connected to a load the filtering may not be enough to attenuate the conducted emissions. The FB series offers standard performance filtering with the FBL designated filters and high performance with the FB designated filters. In addition, lighting applications can reach higher currents and the 10 and 20A versions of the FBL products will satisfy those types of applications. Designed to work with lighting applications that require 300VAC.

BENEFITS

- Maximize space with compact size
- Offers standard performance filtering
- Designed to work with lighting applications that require 300VAC
- Ambient temperature 50°C allows the filter to reach higher currents

APPLICATIONS

- Fluorescent ballasts
- LED displays
- Office and hospital lighting
- Architectural lighting
- Instrumentation lighting
- Outdoor signage
- UV curing lights
- Lower current industrial applications (AC or DC rated)

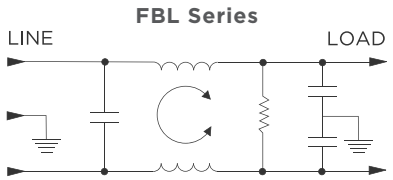
Corcom FB Series Standard Performance FBL

ELECTRICAL

Maximum leakage current each line to ground:	@ 300VAC 60Hz	0.30mA
	@ 120VAC 60Hz	0.12mA
Hipot rating (one minute):	Line to Ground:	2263VDC
	Line to Line:	2263VDC
Rated voltage (max.):		300VAC
Operating frequency:		50/60Hz
Rated current - FBL:		1, 3, 5, 10 and 20A



ELECTRICAL SCHEMATICS

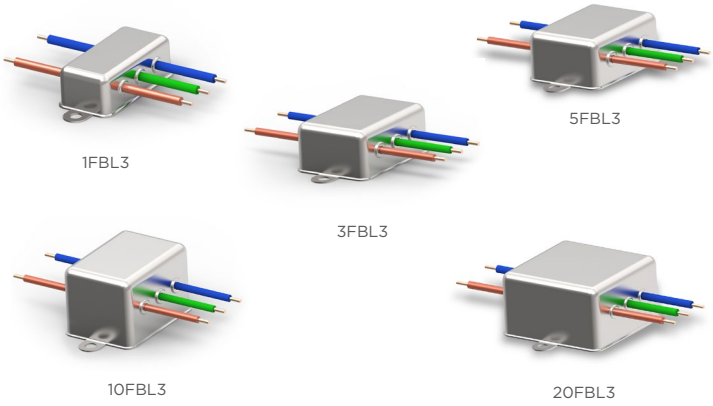


SPECIFICATIONS

- cURus Recognized

PRODUCT INFORMATION

Description	Catalog PN	Part Number
1A FBL Version	1FBL3	6-1609091-4
3A FBL Version	3FBL3	6-1609091-5
5A FBL Version	5FBL3	6-1609091-6
10A FBL Version	10FBL3	6-1609091-7
20A FBL Version	20FBL3	6-1609091-8



CASE DIMENSIONS

Part Number	(max)	(max)	(max)	+.015 +.38	(max)
1FBL3	**0.96** 24.4	**1.82** 46.2	**0.66** 16.8	**2.125** 53.98	**2.53** 64.3
3FBL3 & 5FBL3	**1.32** 33.5	**1.82** 46.2	**0.78** 19.8	**2.125** 53.98	**2.53** 64.3
10FBL3	**1.32** 33.5	**1.82** 46.2	**1.16** 29.5	**2.125** 53.98	**2.53** 64.3
20FBL3	**2.07** 52.58	**2.065** 52.45	**1.16** 29.5	**2.375** 60.33	**2.81** 71.37

INSERTION LOSS DATA

Frequency — MHz

Part Number	0.15	0.5	1	5	10	30
1FBL3	15	29	35	45	45	48
3FBL3	15	29	35	45	45	48
5FBL3	7	19	23	34	37	42
10FBL3	7	19	23	34	37	42
20FBL3	7	19	23	34	37	42

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