

Overview

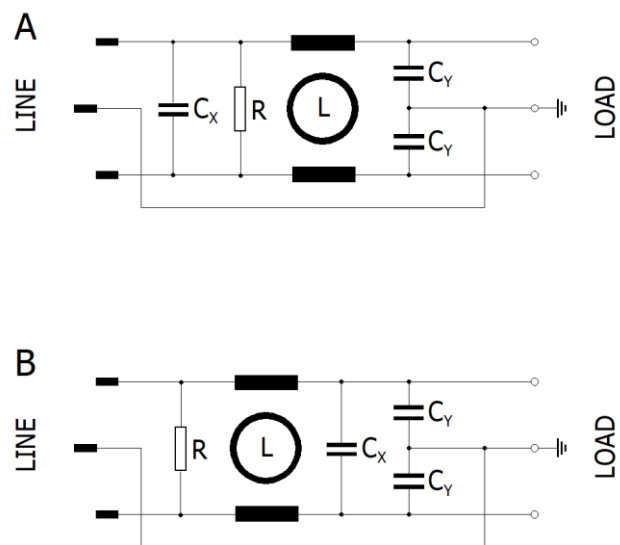
A series of chassis mount IEC 60320 power inlet EMI filters.
Compact and lightweight enclosure
General purpose filtering requirements for industrial power, office, business and medical equipment.
Low cost metallic enclosure
Fast-on terminals for quick connection

RoHS
Compliant

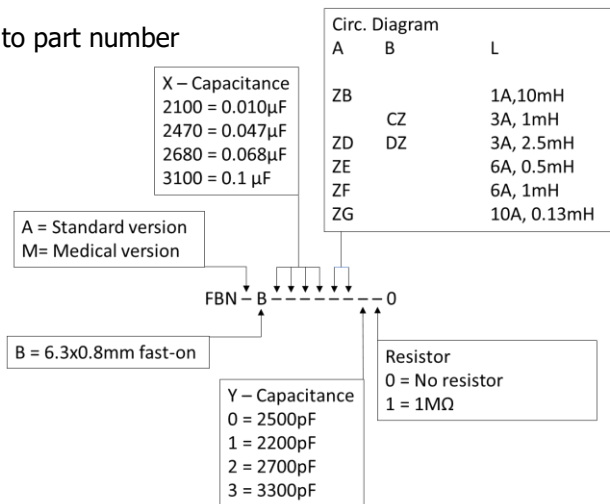
Technical specifications

Rated voltage	250 VAC
Rated frequency	50-60 Hz
Rated current	1 – 10 A
Rated temperature	40°C
Temperature range	-25°C to +85°C
Climate category	25/085/21
Voltage test	P -> P 1700 VDC P -> E 3000 VDC

Circuit diagram



Key to part number



Part Number	I _R [A]	L [mH]	C _x [μF]	C _y [nF]	I _L [mA]	R [MΩ]	Circ. Diagram
FBNAB2100ZE200	6	2x0.5	0.01	2.7	0.25	-	A
FBNAB2470ZD000	3	2x2.5	0.047	2.5	0.24	-	A
FBNAB2470ZF000	6	2x1	0.047	2.5	0.24	-	A
FBNAB2680ZB000	1	2x10	0.068	2.5	0.24	-	A
FBNAB2680CZ300	3	2x1	0.068	3.3	0.31	-	B
FBNAB3100ZB110	1	2x10	0.1	2.2	0.21	1	A
FBNAB3100DZ010	3	2x2.5	0.1	2.5	0.24	1	B
FBNAB3100ZD110	3	2x2.5	0.1	2.2	0.21	1	A
FBNAB3100ZF110	6	2x1	0.1	2.2	0.21	1	A
FBNAB3100ZG110	10	2x0.13	0.1	2.2	0.21	1	A
FBNMB3100ZB110	1	2x10	0.1	-	-	1	A
FBNMB3100ZD110	3	2x2.5	0.1	-	-	1	A
FBNMB3100ZF110	6	2x1	0.1	-	-	1	A
FBNMB3100ZG110	10	2x0.13	0.1	-	-	1	A

Approvals

The FBN series is designed according to IEC/EN/UL 60939 and UL1283 with the following approval

Standard	Certification Body	File
IEC/EN 60939-2	VDE	40031550
UL 1283, 5 th ed.	UL	E192374
CSA C22.2 NO 8	UL	E192374

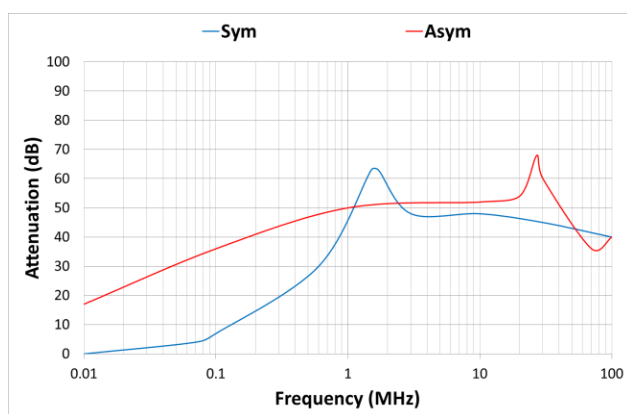


Environmental Compliance

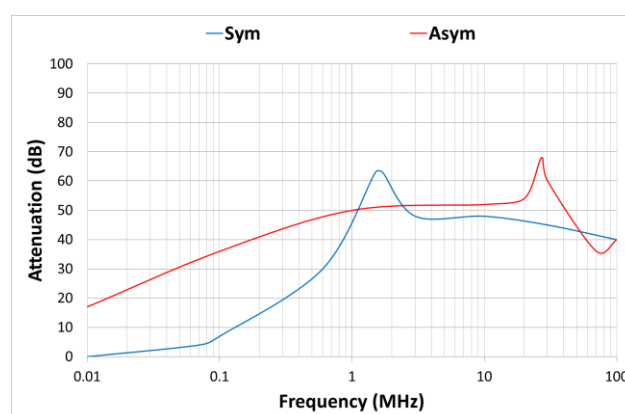
KEMET EMI filters are RoHS compliant

Typical insertion loss (FBNAB3100)

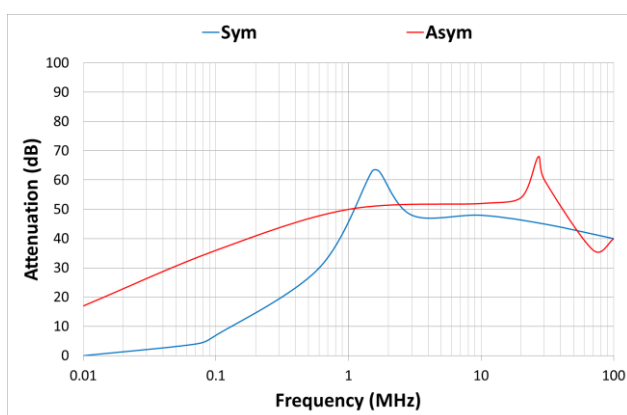
1 A



3 A and 6 A

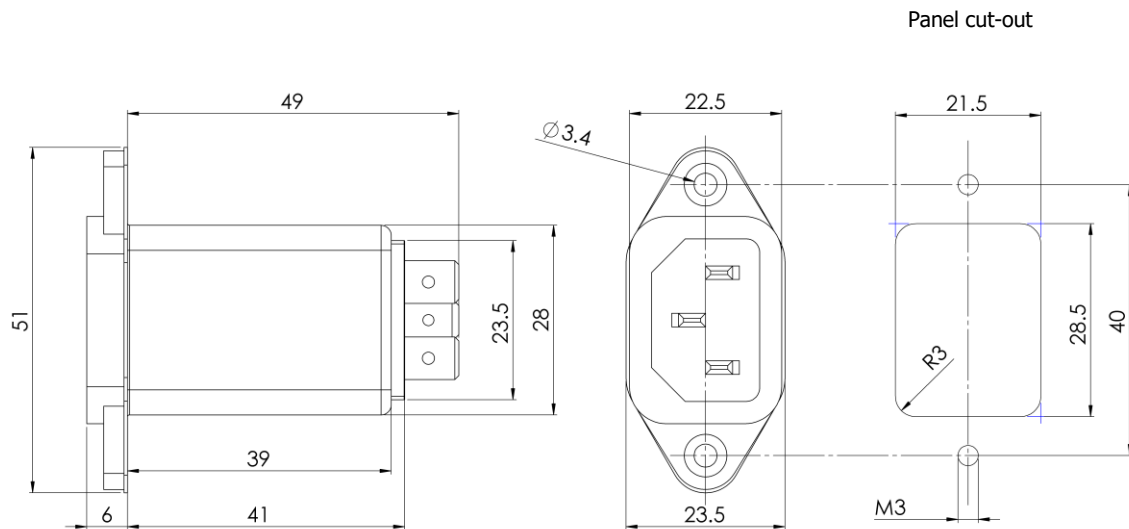


10 A



Mechanical specifications and dimensions

- Metallic case
- Fast-on connection 6.3 x 0.8 mm



Tolerances, if not stated, according to: ISO 2768-c

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Although we design and manufacture our products to the most stringent quality and safety standards, given the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies) in order to ensure that failure of an electrical component does not result in a risk of personal injury or property damage.

Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated or that other measures may not be required.