

General purpose modules

A comprehensive range of chassis mount IEC 60320 inlet power entry modules housed in a compact and lightweight enclosure. Offers a low cost form of protection from mains borne interference in applications such as business, consumer, medical equipment, VDU's, computers, vending machines and many other general purpose applications.

- Current ratings from 1A to 10A
- Component value combinations to suit requirements
- Low cost design
- Medical versions available

Mechanical Specifications

Manufacture: metal case with built-in power line connector according to IEC 60320 & EN 60320.

Connections: IEC 60320 - Standard plug (INPUT); faston 2x2.8 x 0.8mm or 6.3 x 0.8mm (OUTPUT); ground terminal connected to case.

FIL2470 = F.BN.AB.2470.ZG.110
 FIL2680-3 = F.BN.AB.2680.ZD.000
 FIL3100-1 = F.BN.AB.3100.BZ.000
 FIL3100-6 = F.BN.AB.3100.EZ.000

Filter Range

Code	I _R (A)	L (mH)	C _x (μF)	C _y (pF)	I _L (mA)	Circ Diag
F.BN.AB.2100.ZE.200	6	2x0.5	0.01	2x2700	2x0.25	A
F.BN.AB.2470.ZA.100	1	2x2.8	0.047	2x2200	2x0.2	A
F.BN.AB.2470.ZB.000	1	2x10	0.047	2x2500	2x0.23	A
F.BN.AB.2470.ZD.000	3	2x2.5	0.047	2x2500	2x0.23	A
F.BN.AB.2470.ZF.000	6	2x1	0.047	2x2500	2x0.23	A
F.BN.AB.2470.ZG.110	10	2x0.13	0.047	2x2200	2x0.2	A
F.BN.AB.2680.CZ.300	3	2x1	0.068	2x3300	2x0.3	B
F.BN.AB.2680.ZB.000	1	2x10	0.068	2x2500	2x0.23	A
F.BN.AB.2680.ZD.000	3	2x2.5	0.068	2x2500	2x0.23	A
F.BN.AB.2680.ZF.000	6	2x1	0.068	2x2500	2x0.23	A
F.BN.AB.3100.BZ.000	1	2x10	0.1	2x2500	2x0.23	B
F.BN.AB.3100.DZ.000	3	2x2.5	0.1	2x2500	2x0.23	B
F.BN.AB.3100.FZ.000	6	2x1	0.1	2x2500	2x0.23	B
F.BN.AB.3100.HZ.420	3	2x6	0.1	2x150	2x0.014	B

Available Variants

A = Standard Version
M = Medical Version
(without Y capacitors)

X Capacitance
 2100 = 0.010uF
 2470 = 0.047uF
 2680 = 0.068uF
 3100 = 0.1uF

CCT A	CCT B	VALUES
ZA	AZ	1A, 2.8mH,
ZB	BZ	1A, 10mH,
ZC	CZ	3A, 1mH
ZD	DZ	3A, 2.5mH
ZE	EZ	6A, 0.5mH
ZF	FZ	6A, 1mH
ZG	GZ	10A, 0.13mH
ZH	HZ	3A, 6mH

F. BN. - - - - - 0

A = 2x2.8mm x 0.8 faston
B = 6.3mm x 0.8 faston

Y Capacitance	Current Leakage
0 = 2500pF	2x0.23 mA
1 = 2200pF	2x0.20 mA
2 = 2700pF	2x0.25 mA
3 = 3300pF	2x0.3 mA
4 = 150pF	2x0.014 mA

Resistor
0 = no resistor
1 = 1MΩ
2 = 2.2MΩ



Electrical Specifications

Rated voltage (V_R): max 250V, 50/60Hz

Rated current (I_R): referred to room temperature = 40°C

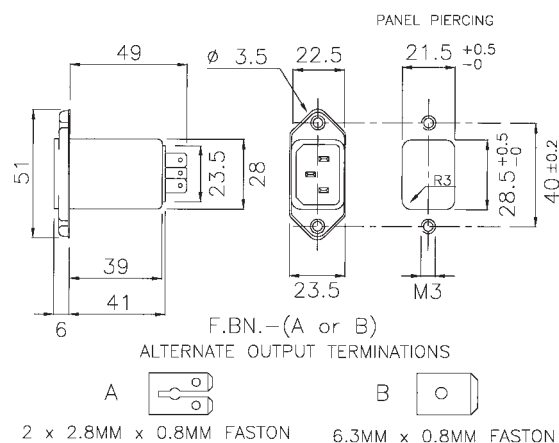
Leakage current (I_L): at 220V, 50Hz, max value

Voltage test (2s): line to ground 3000Vdc or 1800Vac
line to line 1700Vdc

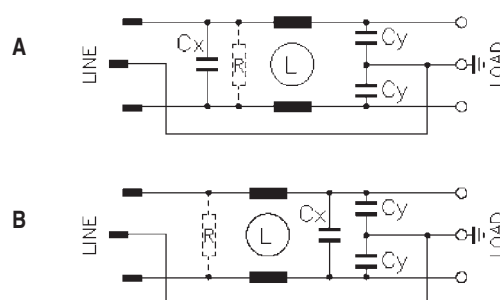
Climatic category: HPF (25/085/21):

Temperature range: -25°C to +85°C

Dimensions (mm) and connections



Circuit diagram



Insertion loss (typical): — Asymmetrical (line to ground) - - - Symmetrical (line to line)

