

PBH Series

16/20A HIGH CURRENT, SNAP-IN/FLANGE MOUNT FILTER WITH IEC 60320 AC INLET SOCKET.



FEATURES

The PBH series offers filters for application that have high current (16/20A) requirements. The filters are available with different configurations of components and termination styles. These filters are available in flange mount and snap-in type. The medical graded filters offer excellent performance with maximum leakage current of 2 μ A at 120VAC, 60Hz.

A ground choke can be added to enhance the grounding ability of the circuit. Bleeder resistor can also be added to prevent excessive voltages from developing across the filter capacitors when there is no load.

APPLICATIONS

Computer & networking equipment, Measuring & control equipment, Data processing equipment, laboratory instruments, Switching power supplies, other electronic equipment.

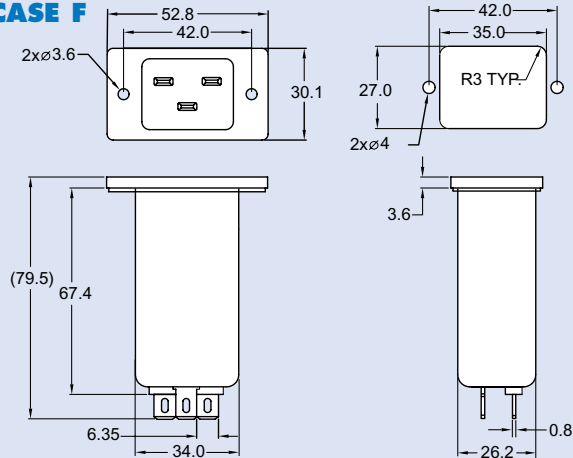
TECHNICAL DATA

- Rated Voltage: 115/250VAC
- Rated Current: 16A, 20A
- Power Line Frequency: 50/60Hz
- Max. Leakage Current each Line to Ground:
 - @ 115VAC 60Hz: 0.25mA
 - @ 250VAC 50Hz: 0.50mA
 - @ 115VAC 60Hz: 2 μ A*
 - @ 250VAC 50Hz: 5 μ A*
- Hipot Rating (one minute)
 - Line to Ground: 2250VDC
 - Line to Line: 1450VDC
- Temperature Range: -25C to +85C

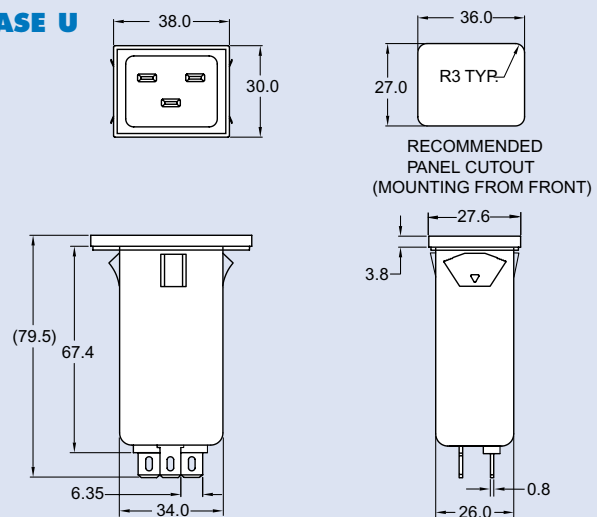
+ SEMKO, VDE approved to 16A
* Medical application

MECHANICAL DIMENSIONS (Unit: mm)

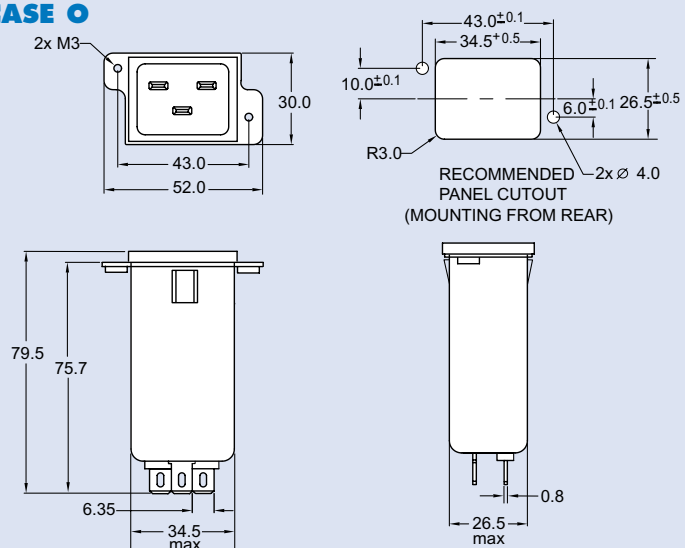
CASE F



CASE U




CASE O

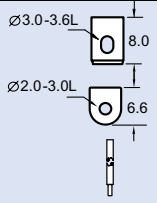


Specifications subject to change without notice. Dimensions (mm). See Appendix A for recommended power cord. See PDI full line catalog for detailed specifications on power cords.

PBH Series Example & Ordering Code

PBH 16 Q - 50 - 1 C U

CURRENT RATING (A):  = 16
= 20

TERMINAL:  QUICK CONNECT = Q
6.3/0.25
4.0/0.187
SOLDER = S
UL 1015, 18AWG STRANDED, 4" WIRE = W

OPTIONS: NO BLEEDER RESISTOR & NO GROUND CHOKE = 00
BLEEDER RESISTOR (1/2 W, 1M) = 60
BLEEDER RESISTOR (1/4 W, 1M) & GROUND CHOKE = 70
BLEEDER RESISTOR (1/2 W, 1M) & GROUND CHOKE = 80
GROUND CHOKE (100µH) = 90

COMPONENT LOCATIONS: STANDARD TYPE = 1
WITHOUT C(X); C(Y) ONLY = 2⁺
C(X) & C(Y) BEHIND L = 3⁺
WITHOUT C(Y); C(X) ONLY = 1M
WITHOUT C(Y); C(X) BEHIND L = 2M⁺

ATTENUATION CODE TABLE:

Non-Medical applications, select Attenuation code with corresponding component values from the table.

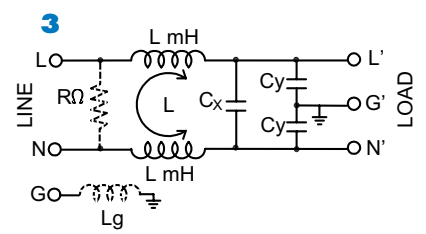
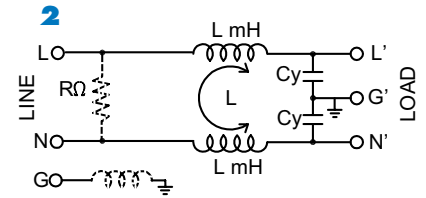
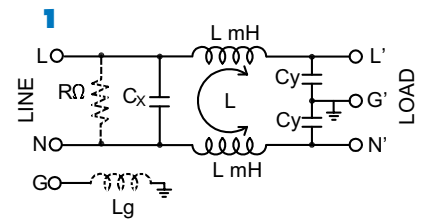
Case Code	Cap. C _x (µF)	Cap. C _y (pF)	16/20A (mH)	
F,O,U	0.01	2200	0.5	= A
F,O,U	0.01	3300	0.5	= B
F,O,U	0.33	2200	0.5	= C

Medical applications, select Attenuation code with corresponding component values from the table.

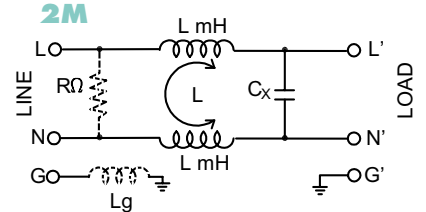
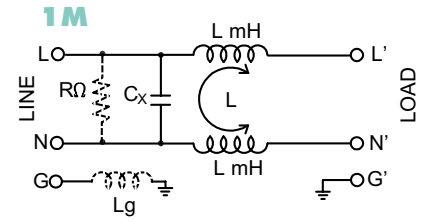
Case Code	Cap. C _x (µF)	16/20A (mH)	
F,O,U	0.01	0.5	= M1
F,O,U	0.33	0.5	= M2

CASE CODE: FLANGE MOUNT = F
SNAP-IN TABS - SIDE = U
REAR PANEL MOUNT = O

SCHEMATICS



MEDICAL SCHEMATICS



*Contact PDI for attenuation numbers

Non-Medical Applications*

Insertion loss in dB (50 Ohm circuit)

Attenuation Code	Comm. Mode(L-G) in MHz					Diff. Mode(L-L) in MHz				
	.15	.5	1	5	10 30	.15	.5	1	5	10 30
A	17	22	26	43	51 43	8	18	24	45	43 35
B	17	23	28	47	57 45	8	18	23	51	54 34
C	17	22	26	43	51 43	18	28	33	46	53 35

*This table applies to schematic 1 only. Visit our website or contact PDI for other schematic attenuation numbers.

Medical Applications*

Insertion loss in dB (50 Ohm circuit)

Attenuation Code	Comm. Mode(L-G) in MHz					Diff. Mode(L-L) in MHz				
	.15	.5	1	5	10 30	.15	.5	1	5	10 30
M1	16	21	22	24	25 20	8	18	25	42	43 30
M2	16	20	22	24	25 20	17	28	33	41	40 31

*This table applies to schematic 1M only. Visit our website or contact PDI for other schematic attenuation numbers.