

Multi Stage High Performance EMI Filter

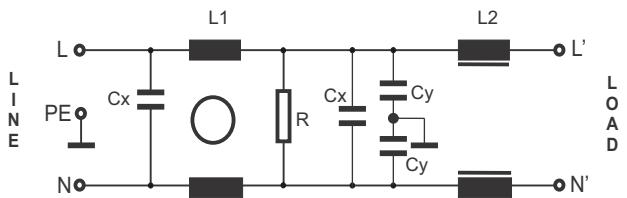


- Rated current from 1 to 16 A
- Multi stage filter with good low frequency attenuation
- High differential mode and common mode attenuation performance
- Optional medical version (Type B)
- Optional safety version (Type A)

Approvals:



CIRCUIT DIAGRAM:



Technical specifications

Maximum continuous operating voltage: 250VAC, 50/60Hz

Operating frequency: dc to 400Hz

Rated currents: 1 to 16A @ 40°C max.

High potential test voltage: L → PE 3000VDC for 2 sec (standard types)

L → PE 3500VDC for 2 sec (B types)

L → N 1100VDC for 2 sec

Temperature range (operation and storage): -25°C to +100°C (25/100/21)

Design corresponding to: UL 1283,

Feature and Benefits

- BL2080 two-stage filters are designed for easy and fast chassis mounting.
- The BL2080 filters are also available as B versions with no Y-capacitors for medical applications as well as A versions with low capacitance for safety critical applications with a requirement for low leakage currents.
- All filters provide an general purpose conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior.
- The BL 2080 Filter are design for good low frequency attenuation
- BL 2080 filters are also available as single stage filters .
- Various terminal options allow you to select the desired connection style

Typical Application

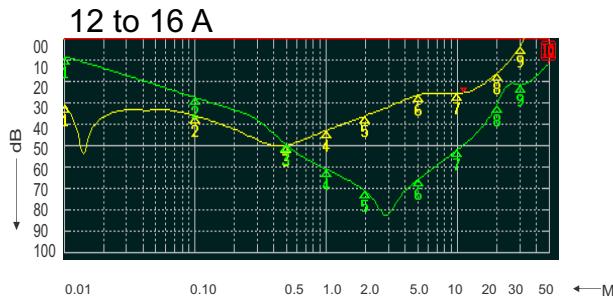
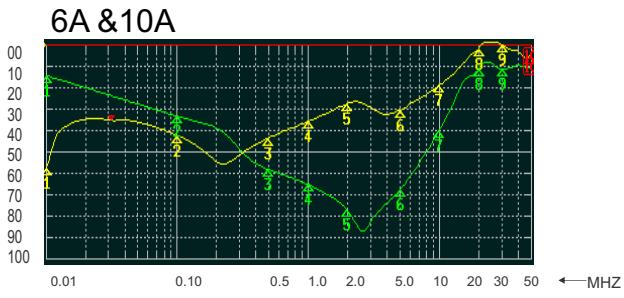
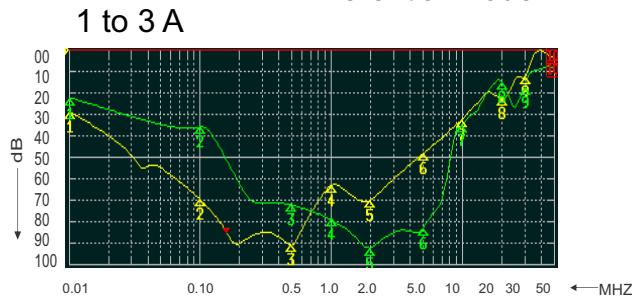
- Electrical and electronic equipment
- Consumer goods
- Household equipment
- Medical equipment
- Electronic data processing equipment
- Office automation and datacom equipment
- Industrial application
- Machinery
- Various noisy application requires good attenuation performance filter

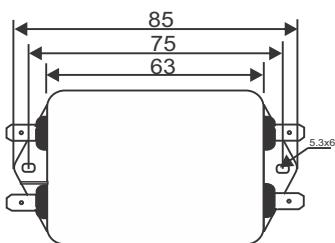
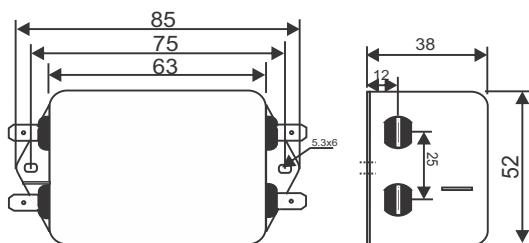
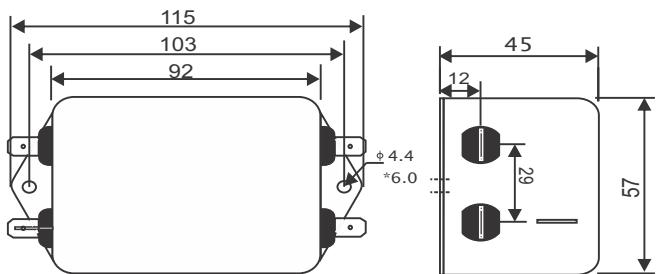
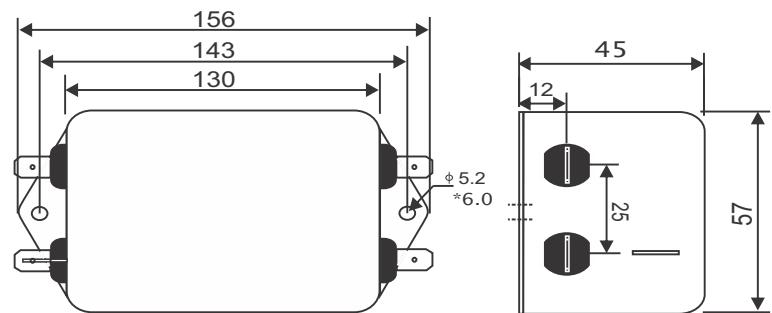
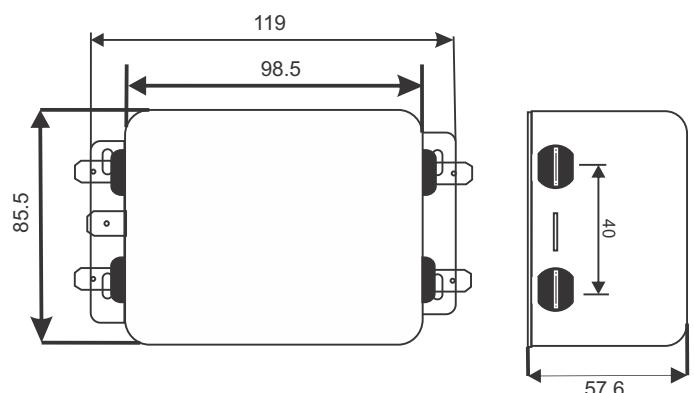
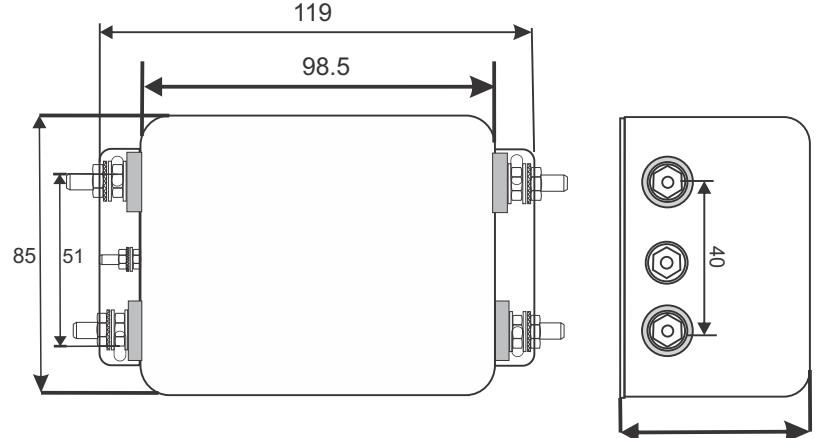
2 EMI FILTER>BL2080

FILTER SELECTION TABLE

Rated current @40°C A	Leakage current @230V/50Hz mA	Inductance ΣL mH	Capacitance ΣCx uF	Capacitance ΣCy nF	Resistance ΣR K Ω	Connnection type F W S
BL2080-01-F	1	0.73	22.4	0.66	9.4	1000 F W
BL2080-03-F	3	0.73	9.96	0.94	9.4	470 F W
BL2080-06-F	6	0.73	7.91	2	9.4	220 F W
BL2080-10-F	10	0.73	4.56	2	9.4	220 F W
BL2080-12-F	12	0.73	3.30	2	9.4	220 F W
BL2080-16-F	16	0.73	2.84	2	9.4	220 F W S
BL2080A-01-F	1	0.073	22.4	0.66	0.94	1000 F W
BL2080A-03-F	3	0.073	9.96	0.94	0.94	470 F W
BL2080A-06-F	6	0.073	7.91	2	0.94	220 F W
BL2080A-10-F	10	0.073	4.56	2	0.94	220 F W
BL2080A-12-F	12	0.073	3.30	2	0.94	220 F W
BL2080A-16-F	16	0.073	2.84	2	0.94	220 F W S
BL2080B-01-F	1	0.002	22.4	0.66	1000	F W
BL2080B-03-F	3	0.002	9.96	0.94	470	F W
BL2080B-06-F	6	0.002	7.91	2	220	F W
BL2080B-10-F	10	0.002	4.56	2	220	F W
BL2080B-12-F	12	0.002	3.30	2	220	F W
BL2080B-16-F	16	0.002	2.84	2	220	F W S

Insertion Loss: Common mode - 
 Differential mode- 



MECHANICAL DIMENSION (mm):**CONNECTION TYPE -F
1A****CONNECTION TYPE -F
3A****CONNECTION TYPE -F
6A****CONNECTION TYPE -F
10A & 12A****CONNECTION TYPE -F
16A****CONNECTION TYPE -S
16A****NOTE:**

All Dimension in mm

Connection type F-Fast On Terminal(6.3x0.8)

S-Screw (M4)