Multi-purpose Medical Filter for Power Line Noise Protection

MV Series

UL Recognized
CSA Certified
VDE Approved

MV Series

- Multi-purpose medical filter
- Improved Line to Ground performance
- A good solution to emission or immunity problems
- Meets leakage current requirements of UL2601 for health care equipment

Specifications

Maximum leakage current each Line to Ground:
@ 120 VAC 60 Hz: .07 mA
@250 VAC 50 Hz: .13 mA

Hipot rating (one minute):
Line to Ground: 2250 VDC
Line to Line: 1450 VDC

Rated Voltage (max): 250 VAC

Operating Frequency: 50/60 Hz

Rated Current: 3 to 20A

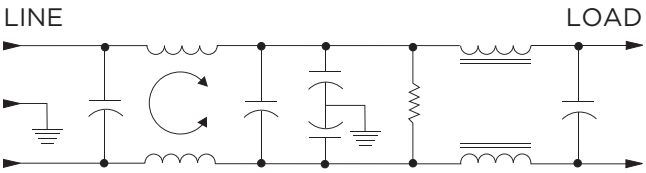
Operating Ambient Temperature Range (at rated current I_r): -10°C to +40°C
In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85-Ta)/45}$

Ordering Information

6 MV 1

- 1 — Input / Output Style: 1 – .250 [6.3] spade terminals
- MV — MV Series
- 6 — Current Rating: 3, 6, 10 or 20A

Electrical Schematic



Available Part Numbers

3MV1	6MV1
10MV1	20MV1

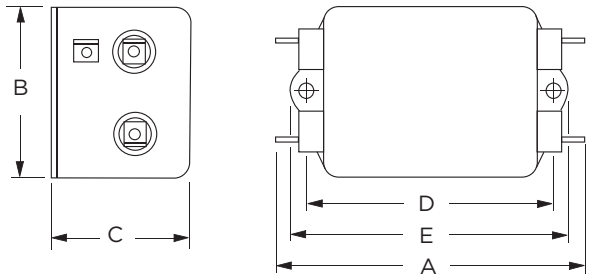
Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

For email, phone or live chat, please go to **te.com/help**
corcom.com

MV Series

Case Styles

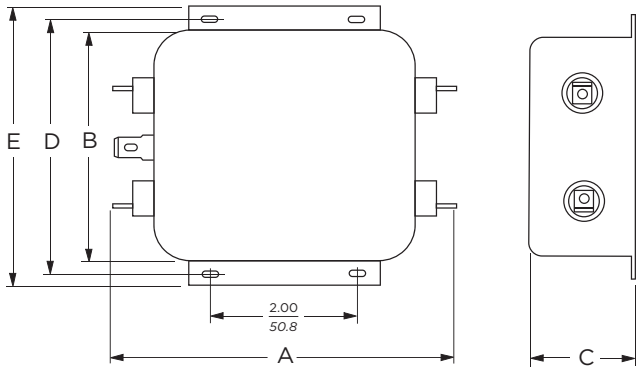
MV1 (3, 6, 10A)



Typical Dimensions:

Line/Load Terminals (4):	.250 [*6.3*] with .07 [*1.8*] Dia. hole
Ground Terminal (1):	.250 [*6.3*] with .07 x .16 [*1.8 x 3.8*] slot
Mounting Holes (2):	.188 [*4.78*] Dia.

20MV1



Typical Dimensions:

Line/Load Terminals (4):	.250 [*6.3*] with .07 [*1.8*] Dia. hole
Ground Terminal (1):	.250 [*6.3*] with .07 x .16 [*1.8 x 3.8*] slot
Mounting Holes (2):	.188 [*4.78*] Dia.

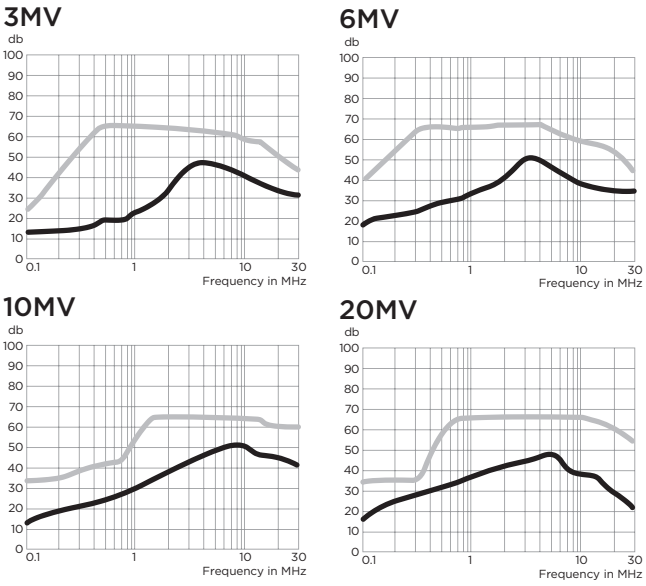
Case Dimensions

Part No.	A (max)	B (max)	C (max)	D ± .015 / ± .38	E (max)
3MV1	**3.36** *85.3*	**1.82** *46.2*	**1.28** *32.5*	**2.375** *60.33*	**2.78** *70.6*
6MV1	**3.86** *98.0*	**2.08** *52.8*	**1.53** *38.9*	**2.938** *74.63*	**3.34** *84.8*
10MV1	**3.86** *98.0*	**2.08** *52.8*	**1.53** *38.9*	**2.938** *74.63*	**3.34** *84.8*
20MV1	**5.23** *132.8*	**3.38** *85.9*	**1.53** *38.9*	**3.75** *95.25*	**4.20** *106.7*

Performance Data

Typical Insertion Loss

Measured in closed 50 Ohm system



Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz .15	.5	1	2	5	10	20	30
3A	14	19	20	30	46	40	34	31
6A	19	27	30	38	50	40	35	35
10A	15	25	26	34	46	50	44	42
20A	18	30	34	34	46	40	36	20

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz .15	.5	1	2	5	10	20	30
3A	33	65	65	65	65	60	53	50
6A	40	65	65	65	65	60	57	55
10A	33	65	65	65	65	65	55	55
20A	25	65	65	65	65	60	57	45

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

For email, phone or live chat, please go to **te.com/help** **corcom.com**