










Technical Specifications:

Maximum Continuous Operating Voltage	: 250 VAC, 50/60Hz (UL Approval) 250VDC
Operating Frequency	: DC to 400Hz
Current ratings	: 1A to 30A @40°C
High Potential test voltage	: P to N 1414 VDC for 2 Sec (Except P type) P +N to G 2250VDC for 2 Sec P +N to G 1500VACfor 2 Sec (M Types)
Overload Capability	: 4x rated current at switch on, 1.5 x rated current for 1 minute, once per hour
Design Corresponding to	: UL 60939-3, CSA 22.2 No.8-13 and IEC 60939-1&2
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +100°C
Climatic Category	: 25/100/21
Protection category	: IP20



Ordering Information

Standard Version										
Model Number	Part Number	Model Number	Part Number	Current Rating @40°C(A)	Leakage Current @250 VAC/50Hz (mA)	Power loss @25°C / 50Hz (W)	Termination			Min.Weight (g)
										
SMF2132-1-4	E108130-1	SMF2132P-1-4	E115019-1	1	0.173	1	-4	-	-	70
SMF2132-1-5	E108130-2	SMF2132P-1-5	E115020-1	1	0.173	1	-	-5	-	70
SMF2132-3-4	E108131-1	SMF2132P-3-4	E115021-1	3	0.26	2.5	-4	-	-	110
SMF2132-3-5	E108131-2	SMF2132P-3-5	E115022-1	3	0.26	2.5	-	-5	-	110
SMF2132-4-4	E108132-1	SMF2132P-4-4	E115023-1	4	0.26	3	-4	-	-	120
SMF2132-4-5	E108132-2	SMF2132P-4-5	E115024-1	4	0.26	3	-	-5	-	120
SMF2132-6-4	E108133-1	SMF2132P-6-4	E115025-1	6	0.37	3.5	-4	-	-	120
SMF2132-6-5	E108133-2	SMF2132P-6-5	E115026-1	6	0.37	3.5	-	-5	-	120
SMF2132-8-4	E108134-1	SMF2132P-8-4	E115027-1	8	0.37	4	-4	-	-	200
SMF2132-8-5	E108134-2	SMF2132P-8-5	E115028-1	8	0.37	4	-	-5	-	200
SMF2132-10-4	E108135-1	SMF2132P-10-4	E115029-1	10	0.37	5.5	-4	-	-	200
SMF2132-10-5	E108135-2	SMF2132P-10-5	E115030-1	10	0.37	5.5	-	-5	-	200
SMF2132-12-4	E108136-1	SMF2132P-12-4	E115031-1	12	0.8	8	-4	-	-	270
SMF2132-12-5	E108136-2	SMF2132P-12-5	E115032-1	12	0.8	8	-	-5	-	270
SMF2132-16-4	E108137-1	SMF2132P-16-4	E115033-1	16	0.8	6.5	-4	-	-	270
SMF2132-16-5	E108137-2	SMF2132P-16-5	E115034-1	16	0.8	6.5	-	-5	-	270
SMF2132-16-1	E108137-3	SMF2132P-16-1	E115035-1	16	0.8	6.5	-	-	-1	270
SMF2132-20-4	E108138-1	SMF2132P-20-4	E115036-1	20	0.8	5	-4	-		330
SMF2132-20-1	E108138-2	SMF2132P-20-1	E115037-1	20	0.8	5	-	-	-1	330
SMF2132-30-1	E108139-1	SMF2132P-30-1	E115038-1	30	0.8	6	-	-	-1	350

Safety Version										
Model Number	Part Number	Model Number	Part Number	Current Rating @40°C(A)	Leakage Current @250 VAC/50Hz (mA)	Power loss @25°C / 50Hz (W)	Termination			Min.Weight (g)
										
SMF2132S-1-4	E108140-1	SMF2132SP-1-4	E115039-1	1	0.05	1	-4	-	-	70
SMF2132S-1-5	E108140-2	SMF2132SP-1-5	E115040-1	1	0.05	1	-	-5	-	70
SMF2132S-3-4	E108141-1	SMF2132SP-3-4	E115041-1	3	0.05	2.5	-4	-	-	110
SMF2132S-3-5	E108141-2	SMF2132SP-3-5	E115042-1	3	0.05	2.5	-	-5	-	110
SMF2132S-4-4	E108142-1	SMF2132SP-4-4	E115043-1	4	0.05	3	-4	-	-	120
SMF2132S-4-5	E108142-2	SMF2132SP-4-5	E115044-1	4	0.05	3	-	-5	-	120
SMF2132S-6-4	E108143-1	SMF2132SP-6-4	E115045-1	6	0.05	3.5	-4	-	-	120
SMF2132S-6-5	E108143-2	SMF2132SP-6-5	E115046-1	6	0.05	3.5	-	-5	-	120
SMF2132S-8-4	E108144-1	SMF2132SP-8-4	E115047-1	8	0.05	4	-4	-	-	200
SMF2132S-8-5	E108144-2	SMF2132SP-8-5	E115048-1	8	0.05	4	-	-5	-	200
SMF2132S-10-4	E108145-1	SMF2132SP-10-4	E115049-1	10	0.05	5.5	-4	-	-	200
SMF2132S-10-5	E108145-2	SMF2132SP-10-5	E115050-1	10	0.05	5.5	-	-5	-	200
SMF2132S-12-4	E108146-1	SMF2132SP-12-4	E115051-1	12	0.05	8	-4	-	-	270
SMF2132S-12-5	E108146-2	SMF2132SP-12-5	E115052-1	12	0.05	8	-	-5	-	270
SMF2132S-16-4	E108148-1	SMF2132SP-16-4	E115053-1	16	0.05	6.5	-4	-	-	270
SMF2132S-16-5	E108148-2	SMF2132SP-16-5	E115054-1	16	0.05	6.5	-	-5	-	270
SMF2132S-16-1	E108148-3	SMF2132SP-16-1	E115055-1	16	0.05	6.5	-	-	-1	270
SMF2132S-20-4	E108149-1	SMF2132SP-20-4	E115056-1	20	0.05	5	-4	-	-	330
SMF2132S-20-1	E108149-2	SMF2132SP-20-1	E115057-1	20	0.05	5	-	-	-1	330
SMF2132S-30-1	E108150-1	SMF2132SP-30-1	E115058-1	30	0.05	6	-	-	-1	350

Medical Version										
Model Number	Part Number	Model Number	Part Number	Current Rating @40°C(A)	Leakage Current @250 VAC/50Hz (mA)	Power loss @25°C / 50Hz (W)	Termination			Min.Weight (g)
										
SMF2132M-1-4	E108160-1	SMF2132MP-1-4	E115059-1	1	0	1	-4	-	-	70
SMF2132M-1-5	E108160-2	SMF2132MP-1-5	E115060-1	1	0	1	-	-5	-	70
SMF2132M-3-4	E108161-1	SMF2132MP-3-4	E115061-1	3	0	2.5	-4	-	-	110
SMF2132M-3-5	E108161-2	SMF2132MP-3-5	E115062-1	3	0	2.5	-	-5	-	110
SMF2132M-4-4	E108162-1	SMF2132MP-4-4	E115063-1	4	0	3	-4	-	-	120
SMF2132M-4-5	E108162-2	SMF2132MP-4-5	E115064-1	4	0	3	-	-5	-	120
SMF2132M-6-4	E108163-1	SMF2132MP-6-4	E115065-1	6	0	3.5	-4	-	-	120
SMF2132M-6-5	E108163-2	SMF2132MP-6-5	E115066-1	6	0	3.5	-	-5	-	120
SMF2132M-8-4	E108164-1	SMF2132MP-8-4	E115067-1	8	0	4	-4	-	-	200
SMF2132M-8-5	E108164-2	SMF2132MP-8-5	E115068-1	8	0	4	-	-5	-	200
SMF2132M-10-4	E108165-1	SMF2132MP-10-4	E115069-1	10	0	5.5	-4	-	-	200
SMF2132M-10-5	E108165-2	SMF2132MP-10-5	E115070-1	10	0	5.5	-	-5	-	200
SMF2132M-12-4	E108166-1	SMF2132MP-12-4	E115071-1	12	0	8	-4	-	-	270
SMF2132M-12-5	E108166-2	SMF2132MP-12-5	E115072-1	12	0	8	-	-5	-	270
SMF2132M-16-4	E108167-1	SMF2132MP-16-4	E115073-1	16	0	6.5	-4	-	-	270
SMF2132M-16-5	E108167-2	SMF2132MP-16-5	E115074-1	16	0	6.5	-	-5	-	270
SMF2132M-16-1	E108167-3	SMF2132MP-16-1	E115075-1	16	0	6.5	-	-	-1	270
SMF2132M-20-4	E108168-1	SMF2132MP-20-4	E115076-1	20	0	5	-4	-	-	330
SMF2132M-20-1	E108168-2	SMF2132MP-20-1	E115077-1	20	0	5	-	-	-1	330
SMF2132M-30-1	E108169-1	SMF2132MP-30-1	E115078-1	30	0	6	-	-	-1	350

Enhanced Version

Model Number	Part Number	Model Number	Part Number	Current Rating @40°C(A)	Leakage Current @250 VAC/50Hz (mA)	Power loss @25°C / 50Hz (W)	Termination		Min. Weight (g)
									
SMF2132N-1-4	E108170-1	SMF2132NP-1-4	E115079-1	1	5.35	1	-4	-	70
SMF2132N-3-4	E108171-1	SMF2132NP-3-4	E115080-1	3	3.69	2.5	-4	-	110
SMF2132N-4-4	E108172-1	SMF2132NP-4-4	E115081-1	4	3.69	3	-4	-	120
SMF2132N-6-4	E108173-1	SMF2132NP-6-4	E115082-1	6	3.69	3.5	-4	-	120
SMF2132N-8-4	E108174-1	SMF2132NP-8-4	E115083-1	8	5.35	4	-4	-	200
SMF2132N-10-4	E108175-1	SMF2132NP-10-4	E115084-1	10	5.35	5.5	-4	-	200
SMF2132N-12-4	E108176-1	SMF2132NP-12-4	E115085-1	12	5.35	8	-4	-	270
SMF2132N-16-4	E108177-1	SMF2132NP-16-4	E115086-1	16	3.69	6.5	-4	-	270
SMF2132N-16-1	E108177-2	SMF2132NP-16-1	E115087-1	16	3.69	6.5	-	-1	270
SMF2132N-20-4	E108178-1	SMF2132NP-20-4	E115088-1	20	3.69	5	-4	-	330
SMF2132N-20-1	E108178-2	SMF2132NP-20-1	E115089-1	20	3.69	5	-	-1	330
SMF2132N-30-1	E108179-1	SMF2132NP-30-1	E115090-1	30	3.69	6	-	-1	350

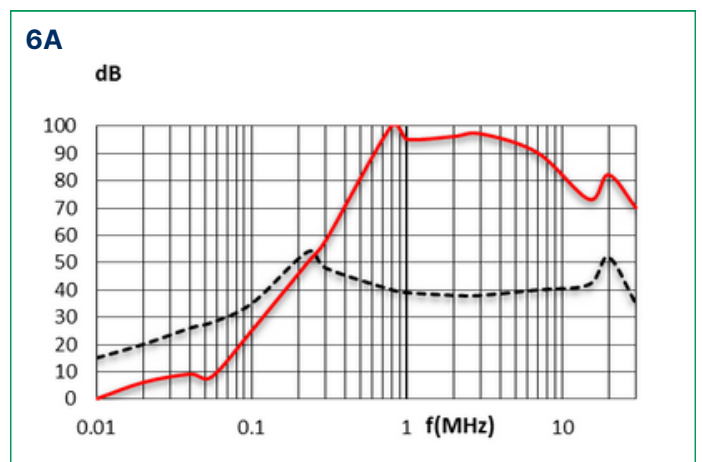
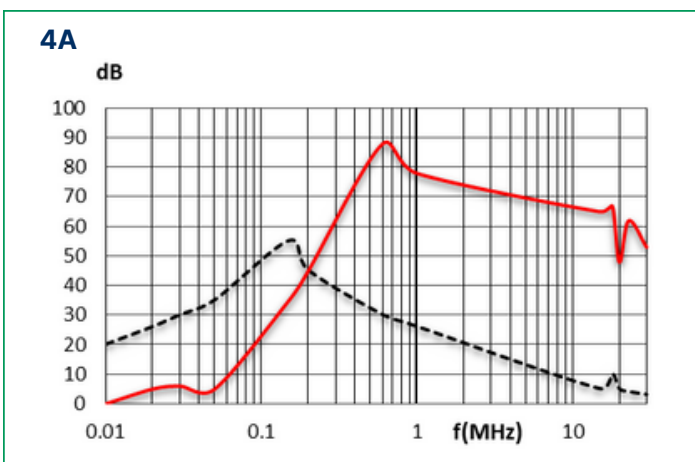
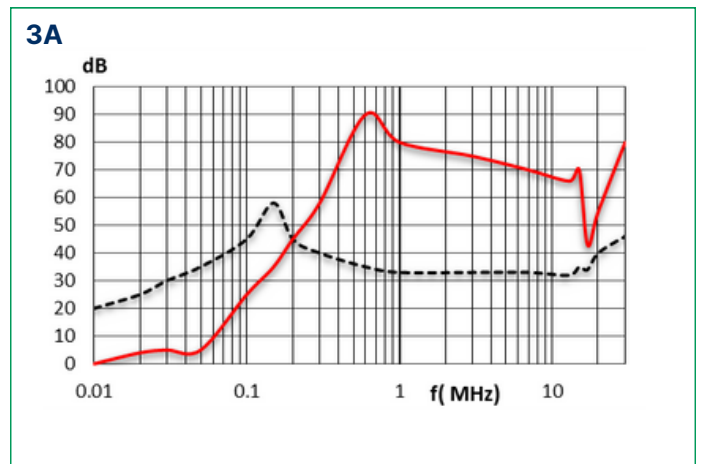
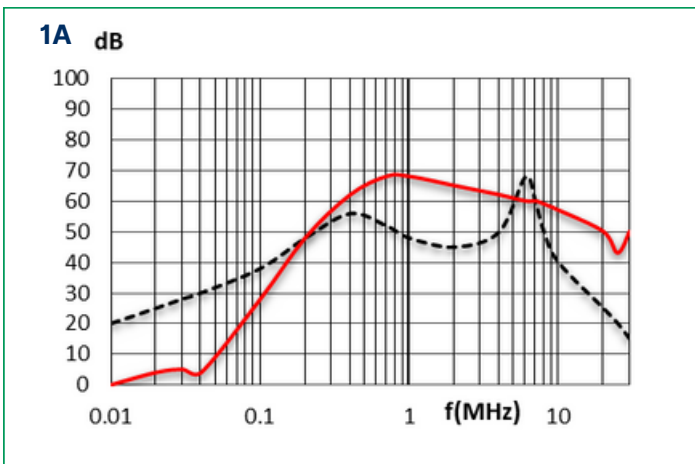
Note: Maximum leakage current is according to IEC 60939-3 under normal AC operating conditions. The worst leakage current could double the value if the neutral is interrupted.

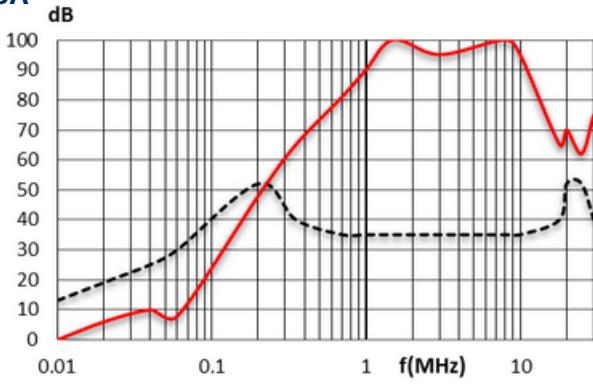
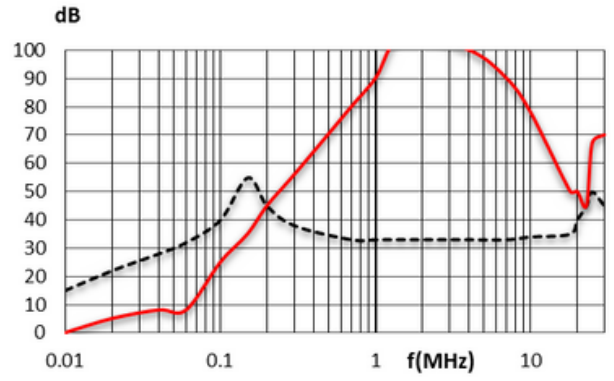
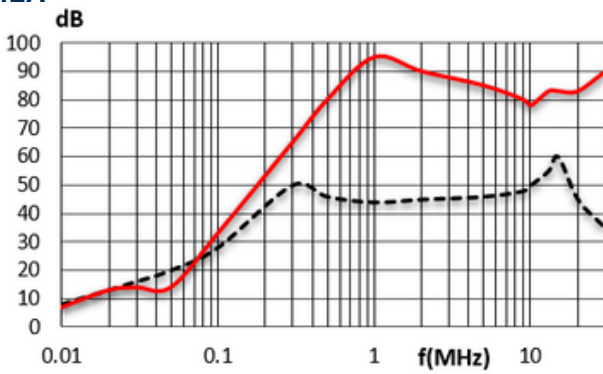
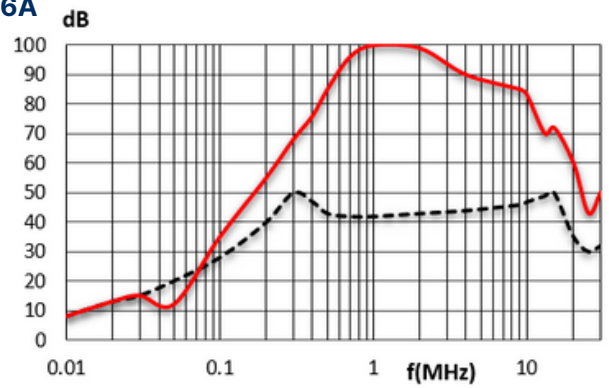
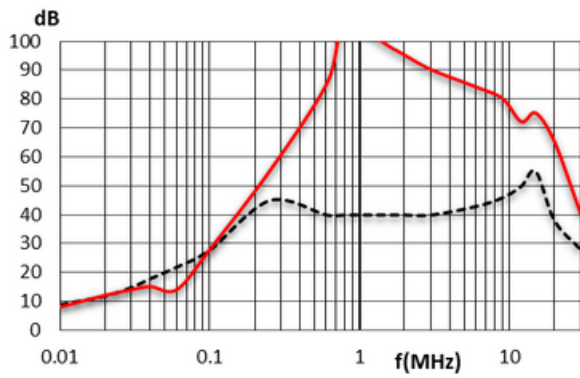
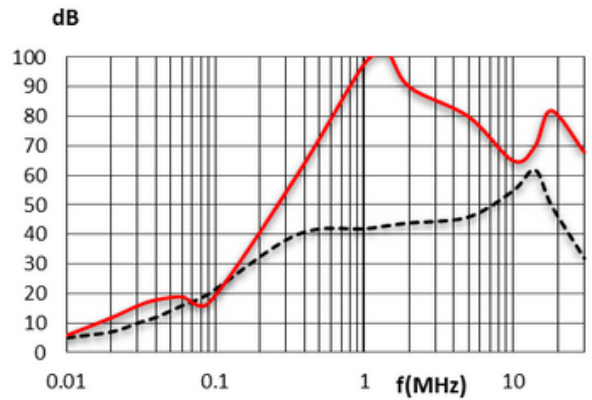
For surge pulse protection, please add P (e.g. SMF2132P-10-04, SMF2132MP-20-4).

Insertion Loss

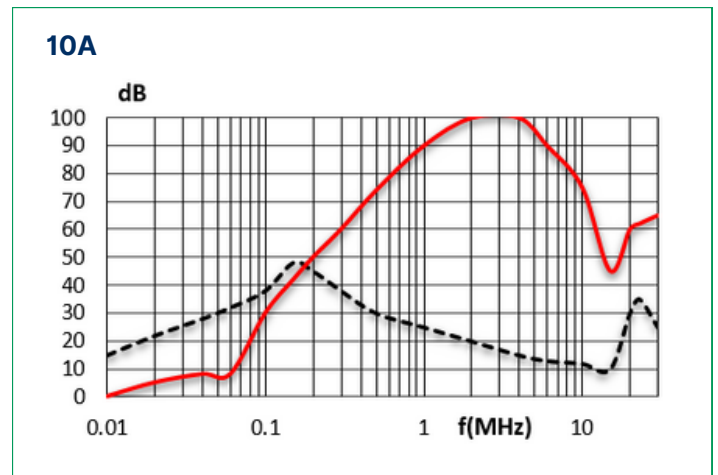
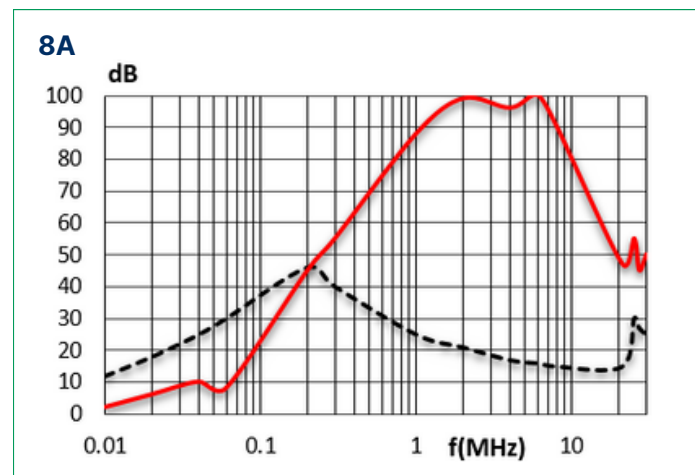
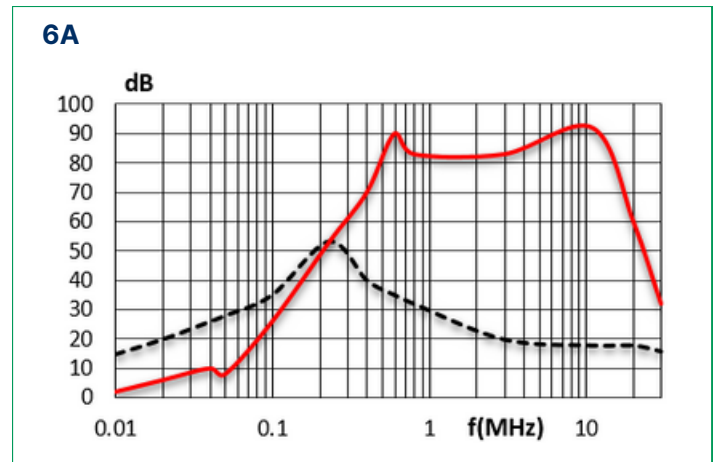
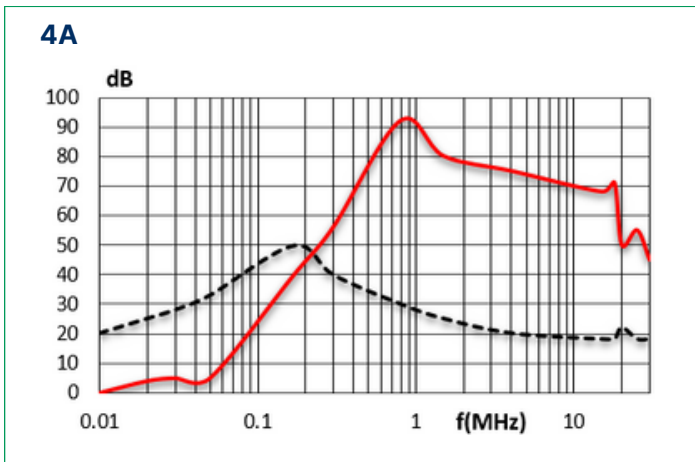
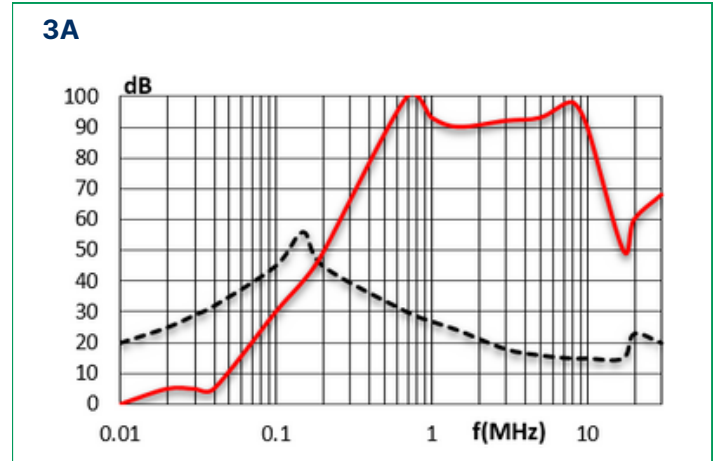
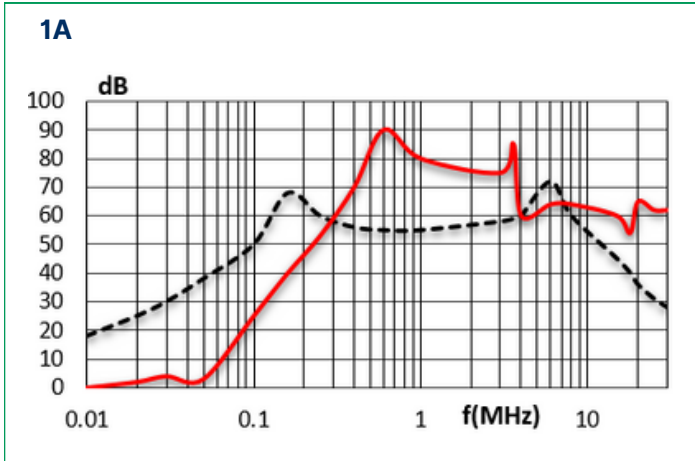
----- Common mode ----- Differential Mode
Per CISPR 17; C=50 Ω/50 Ω D=50 Ω/50 Ω

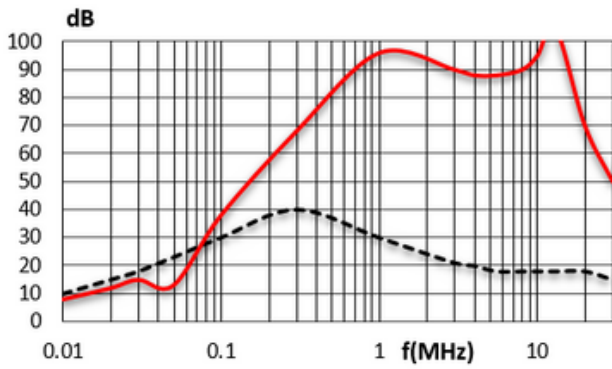
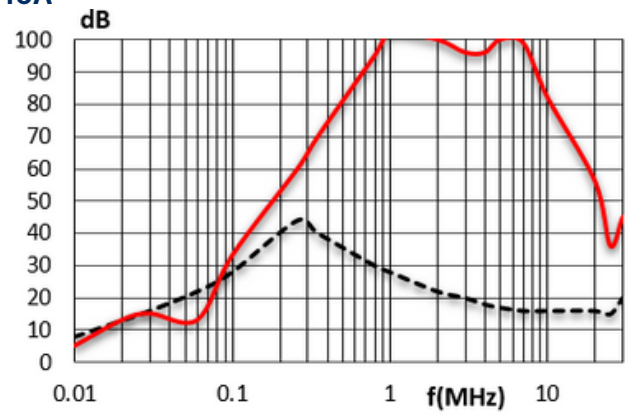
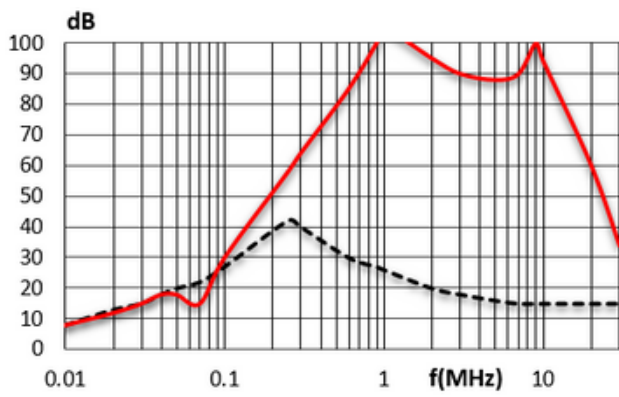
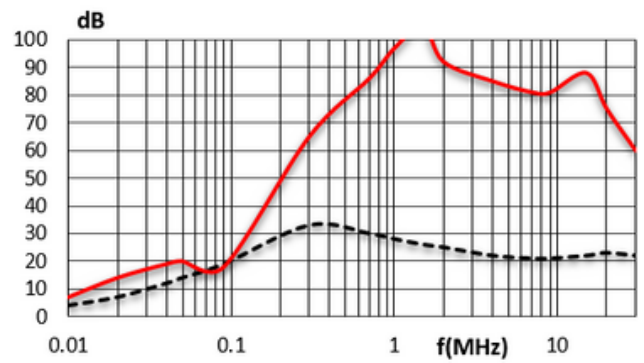
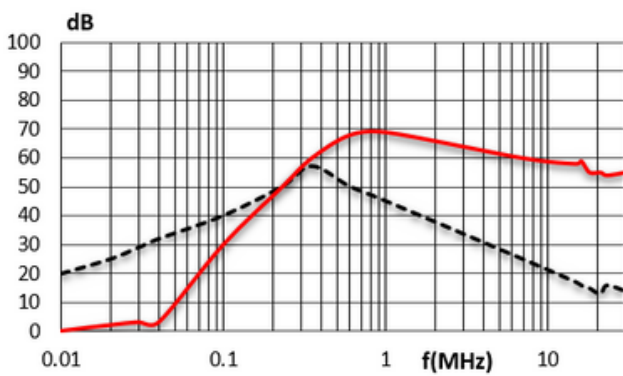
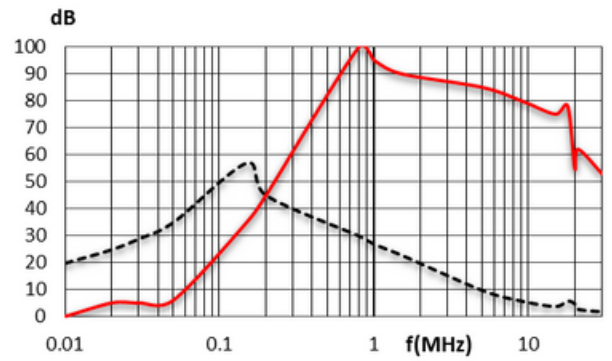
Standard Version

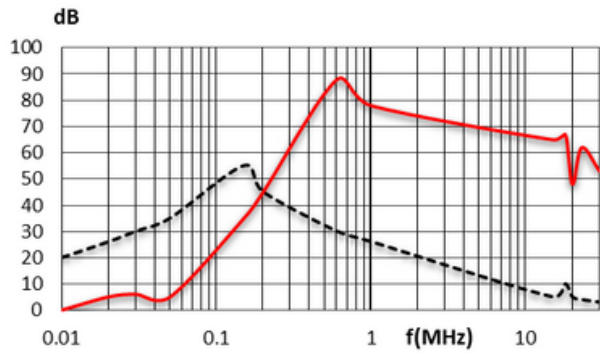
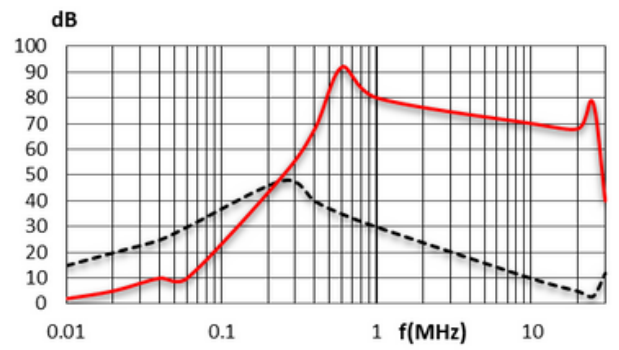
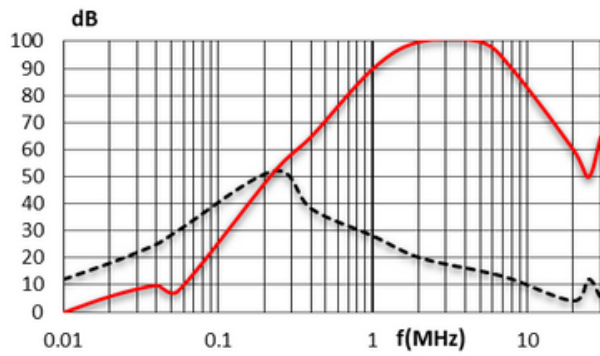
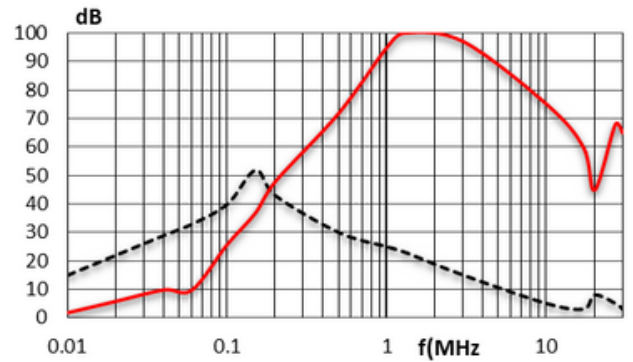
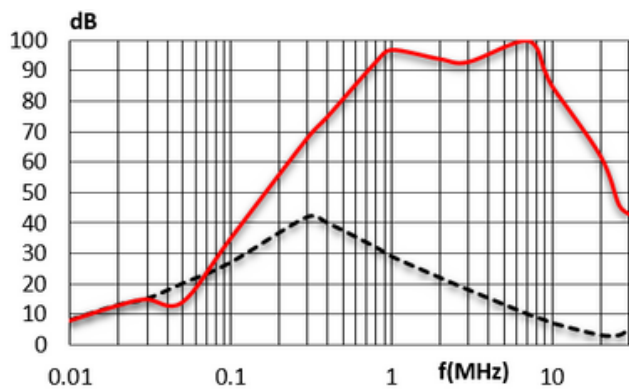
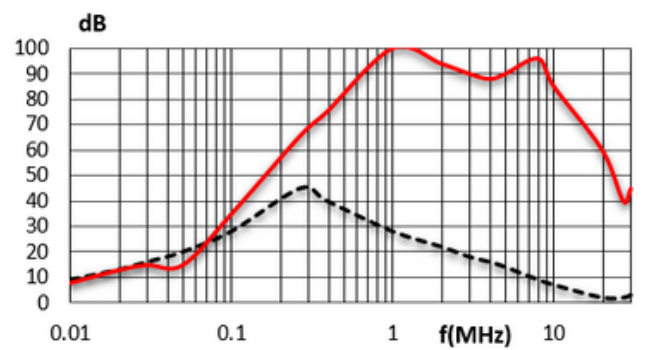


8A**10A****12A****16A****20A****30A**

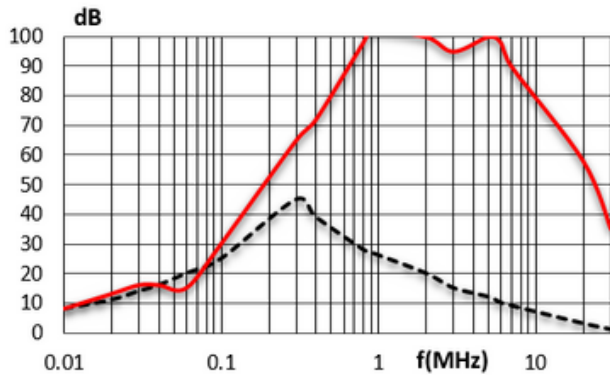
Safety Version



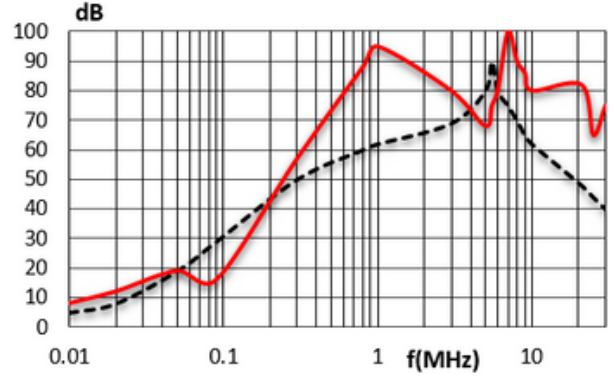
12A**16A****20A****30A****Medical Version****1A****3A**

4A**6A****8A****10A****12A****16A**

20A

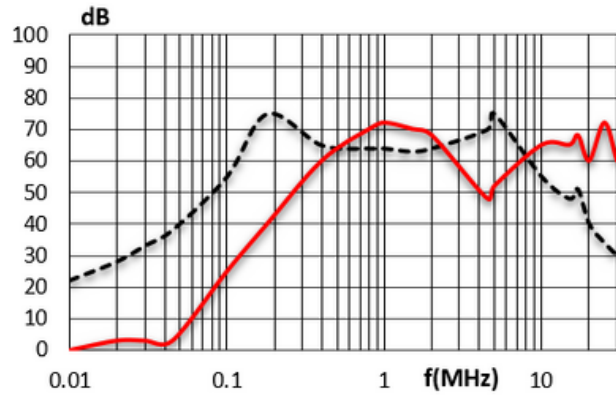


30A

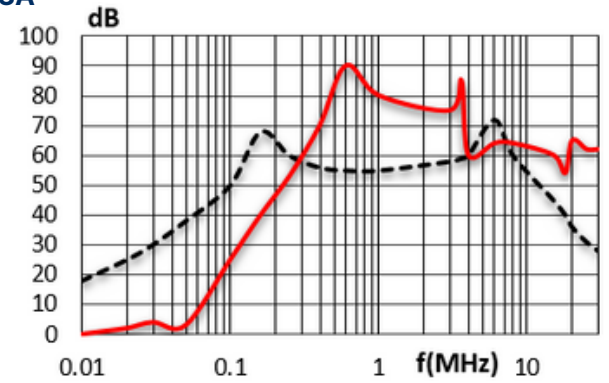


Enhanced Version

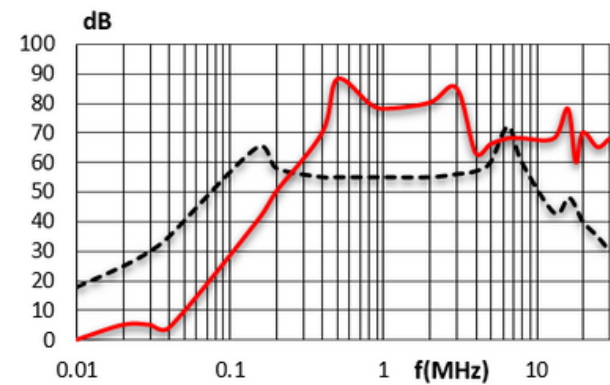
1A



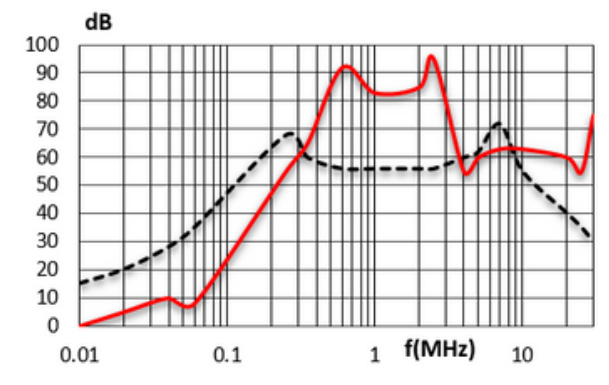
3A

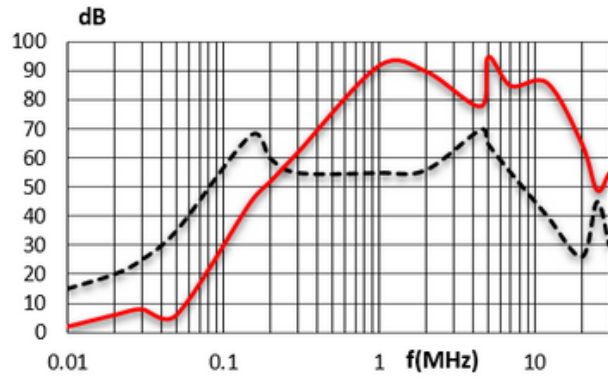
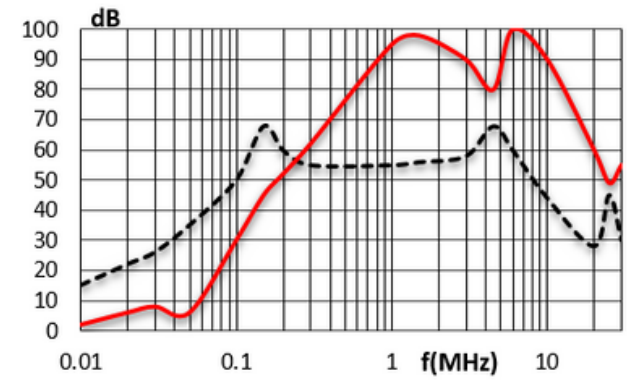
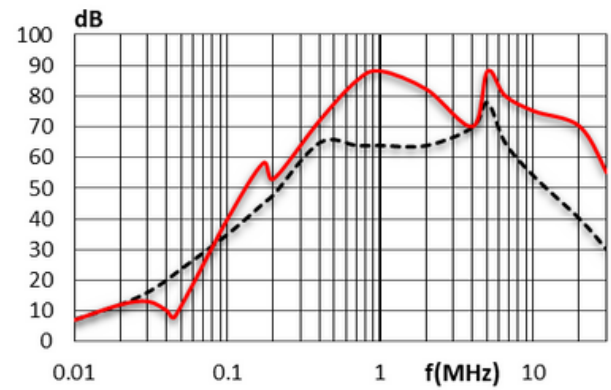
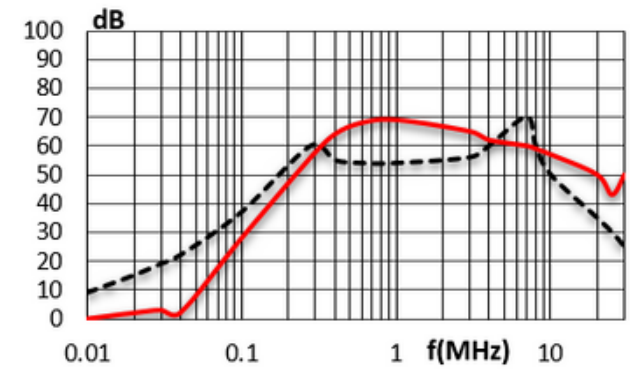
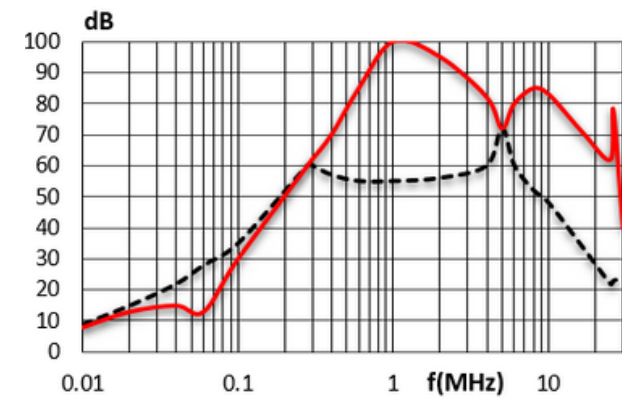
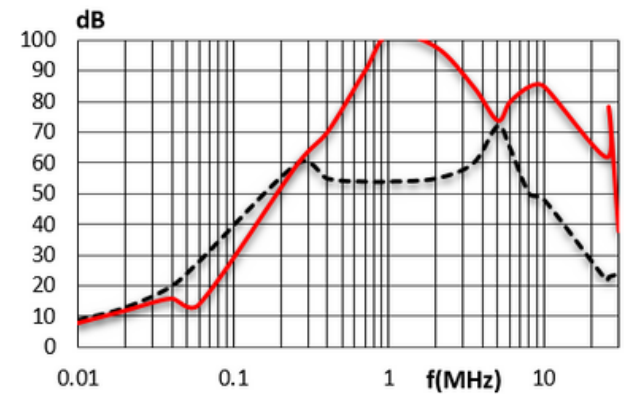


4A



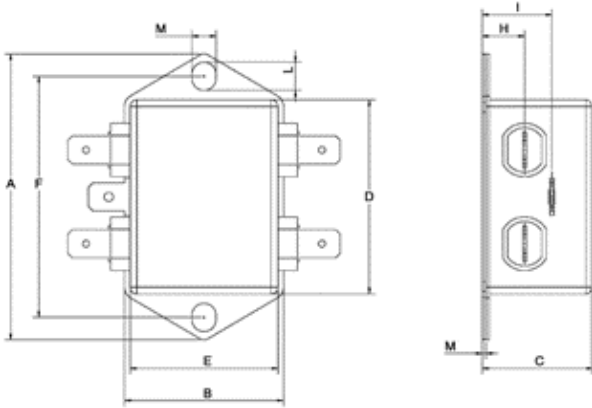
6A



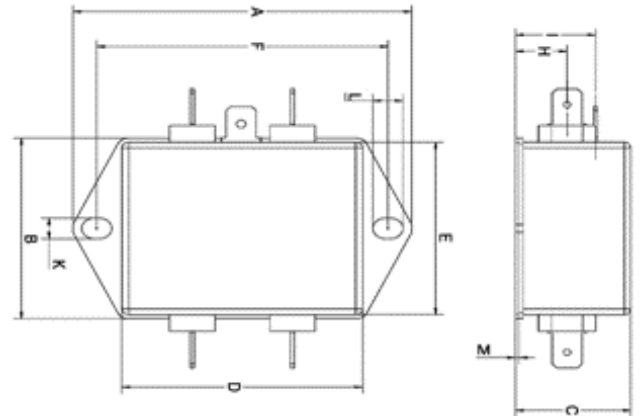
8A**10A****12A****16A****20A****30A**

Mechanical Drawing:

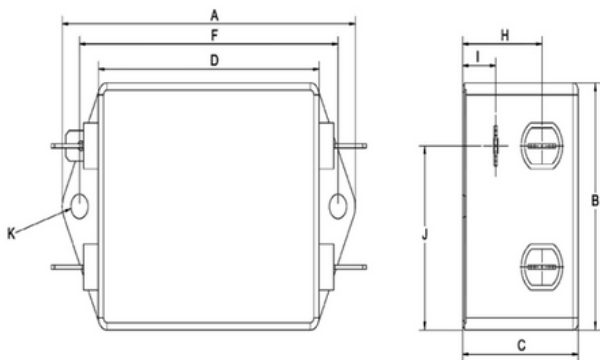
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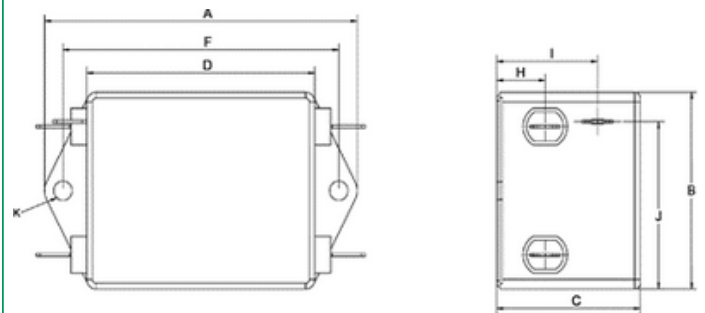
Connection Style - 04, 3A to 6A Type



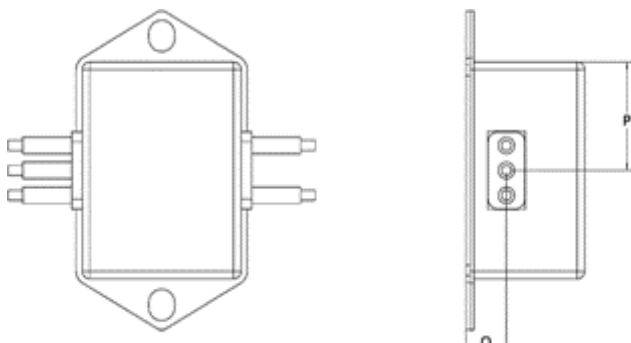
Connection Style - 04, 8A to 12 Type



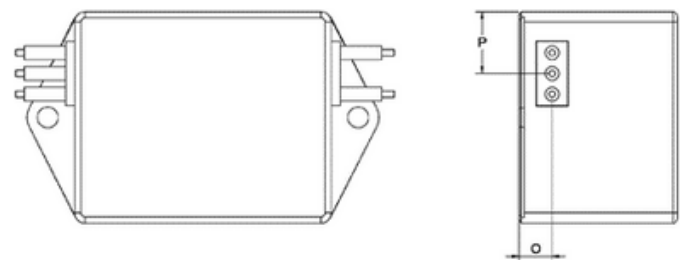
Connection Style - 04, 16A to 30A Type



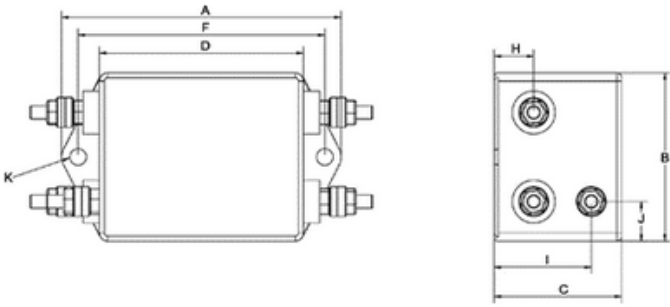
**Connection Style - 05, 1A to 6A Type
(same dimension as style -04)**



**Connection Style - 05, 8A to 16A Type
(same dimension as style -04)**



Connection Style - 01, 16A to 30A Type



Mechanical Dimensions:

	1A	3A	4A	6A	8A	10A	12A	16A	20A	30A
A	64±1	71±1	71±1	71±1	85±1	85±1	85±1	85±1	85±1	85±1
B	35±1	46.6±1	46.6±1	46.6±1	51±1	51±1	51±1	51±1	51±1	51±1
C	24.3±1	22.3±1	22.3±1	22.3±1	32.5±1	32.5±1	32.5±1	39±1	39±1	39±1
D	43.5±1	50.5±1	50.5±1	50.5±1	64±1	64±1	64±1	62±1	62±1	62±1
E	32.5	44.5	44.5	44.5	-	-	-	-	-	-
F	54	61	61	61	75	75	75	75	75	75
H	9.3	10.8	10.8	10.8	21.5	21.5	21.5	13	13	13
I	15.3	16.8	16.8	16.8	9	9	9	27.5	27.5	27.5
K	5.3	5.3	5.3	5.3	5	5	5	5	5	5
L	6.3	6.3	6.3	6.3	-	-	-	-	-	-
M	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Connection Style-04	-	-	-	-	-	-	-	-	-	-
N	6.3x0.8	6.3X0.8	6.3X0.8	6.3X0.8	6.3X0.8	6.3X0.8	6.3X0.8	6.3X0.8	6.3X0.8	
Connection Style-05	-	-	-	-	-	-	-	-	-	-
O	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	-	-
P	21.8	14	14	14	14.9	14.9	14.9	14.9	-	-
AWG Type Wire	AWG 20	AWG 20	AWG 20	AWG 18	AWG 18	AWG 18	AWG 16	AWG 16	-	-
Wire Length	140	140	140	140	140	140	140	140	-	-
Connection Style-01	-	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	M4	M4	M4
Recommended Torque (Nm)	-	-	-	-	-	-	-	1.2-1.3	1.2-1.3	1.2-1.3
Earth terminal Recommended torque (Nm)	-	-	-	-	-	-	-	1.5-1.7	1.5-1.7	1.5-1.7

All dimensions in mm; Tolerance according: ISO 2768-C