

Multi-stage AC/DC EMI Filter with Excellent Attenuation **Performance**



- Rated currents from 1 to 30 A
- Two-stage filter
- Very high differential and common-mode attenuation
- Optional medical versions (B type)
- Optional safety versions (A type)
- Optional enhanced performance versions
- Optional overvoltage protection (Z type)





勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787

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Performance indicators Attenuation performance standard very high Rated current [A] 80 20

Technical Specifications

250 VAC, 50/60 Hz 250 VDC
DC to 400 Hz
1 to 30 A @ 40°C max.
P -> N 1100 VDC for 2 sec P -> PE 2000 VAC for 2 sec (equiv. cap <88 nF) P -> PE 2550 VDC for 2 sec (equiv. cap >88 nF) P -> PE 2500 VAC for 2 sec (B types)
-25°C to +100°C (25/100/21)**
UL 1283, CSA 22.2 No. 8 1986, IEC/EN 60939 (applies to AC and DC applications)
Laces for -07 version: UL 94 VW-1 Terminal plastic for -06/-08 version: UL 94 V-0 Grommet for -07 version: UL 94 V-0
Helps compliance to IEC61000-4-5 (Differential Mode only)
II acc. IEC 60664-1
2 acc. IEC 60664-1
2000m (above derating applies)**

- maximum RMS operating voltage at rated frequency or the maximum DC operating voltage
- for dedicated requests exceeding this specification (e.g. -40 °C or higher altitude) please contact your local Schaffner Sales office

Approvals & Compliances









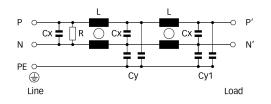
Features and Benefits

- FN 2090 two-stage filters are designed for easy and fast chassis mounting.
- FN 2090 B versions without capacitors to earth comply to 1MOP for ME (medical equipment) acc. IEC 60601-1
- FN 2090 A versions with low capacitance to earth for safety critical applications with a requirement for low leakage currents.
- FN 2090 filters offers an optimized filter range for enhanced performance AC and DC applications, in same compact size (KK, LL, NN types)
- All filters provide an exceptional conducted attenuation performance, based on chokes with high permeable core material.
- FN 2090 two-stage filters are designed for noisy applications requiring excellent filter performance.
- The higher inductivity offers increased attenuation performance with the same form factor as FN 2060 and FN 2080 series.
- All FN 2090 filters can be delivered with optional surge pulse protection (Z type).
- FN 2090 filters are also available as singlestage filters (FN 2030 series).
- Various terminal options allow you to select the desired connection style.

Typical Applications

- Electrical and electronic equipment
- Consumer goods
- Household equipment
- Building automation
- Industrial applications
- Machinery
- Medical equipment
- Electronic data processing equipment
- Office automation and datacom equipment
- Various noisy applications requiring high filter performance

Typical electrical schematic



Filter Selection Table

FAZOSOD-1. 16.10	Filter*	Buy	Rated current	Leakage current**	Power Loss	Inductance***	Capacitance***			Resistance***	Input/Output			Weight
PATROODIN			@ 40°C (25°C)	-	@ 25°C/DC	L	Cx Cy1 Cy2		Cy2	R	connections			
Face-only			[A]		[W]	[mH]	[μ F]	[nF]	[nF]	[kΩ]				[g]
FN2090-4 4.45 0.45 0.45 0.25	FN2090-1		1 (1.1)	0.45 (0.26)	1.8	20	0.22	2.2	1.0	680	-06	-07		73
FN2090-6	FN2090-3		3 (3.4)	0.45 (0.26)	3.7	14	0.33	2.2	1.0	470	-06	-07		158
FN2090-B B019	FN2090-4		4 (4.5)	0.45 (0.26)	6.4	14	0.33	2.2	1.0	470	-06	-07		176
PM2090-10 10(1):2	FN2090-6		6 (6.7)	0.61 (0.35)	7.1	8	0.47	3.3	1.0	330	-06	-07	-08	191
PACOSON-12 12(134)	FN2090-8		8 (8.9)	0.61 (0.35)	7.7	8	0.47	3.3	1.0	330	-06	-07		330
Page Page	FN2090-10		10 (11.2)	0.61 (0.35)	8.4	8	0.47	3.3	1.0	330	-06	-07	-08	369
FN2090-30-08	FN2090-12		12 (13.4)	0.93 (0.54)	12.1	4	1	10	1.0	220	-06	-07	-08	391
PAGO90-30-08	FN2090-16		16 (17.9)	0.93 (0.54)	10.7	4	1	10	1.0	220	-06	-07		425
FN2090A1	FN2090-20		20 (22.4)	0.93 (0.54)	8.2	2.7	1	10	1.0	220	-06		-08	530
FN2090A-4	FN2090-30-08		30 (33.5)	0.93 (0.54)	10.1	1.5	1	10	1.0	220			-08	548
FN2090A	FN2090A-1		1 (1.1)	0.13 (0.07)	1.8	20	0.22	0.47	0.47	680	-06	-07		73
FN2090A-6	FN2090A-3		3 (3.4)	0.13 (0.07)	3.7	14	0.33	0.47	0.47	470	-06	-07		158
FN2090A-B 8(8)	FN2090A-4		4 (4.5)	0.13 (0.07)	6.4	14	0.33	0.47	0.47	470	-06	-07		176
FN2090A-10 10 (11.2) 1.31 (10.07) 8.4 8.4 8.5 0.47 0.47 0.47 0.47 0.47 0.47 0.47 0.48 0	FN2090A-6		6 (6.7)	0.13 (0.07)	7.1	8	0.47	0.47	0.47	330	-06	-07	-08	191
FNZO90A-12 12 (134)	FN2090A-8		8 (8.9)	0.13 (0.07)	7.7	8	0.47	0.47	0.47	330	-06	-07		330
FNZO90A-6 16(179) 0.13(007) 10.7 4 1 0.47 0.47 2.07 0.6 0.7 0.42 0.25 0.5	FN2090A-10		10 (11.2)	0.13 (0.07)	8.4	8	0.47	0.47	0.47	330	-06	-07	-08	369
FN2090A-20 20 (224) 0.13 (0.07) 8.2 2.7 1 0.47 0.47 220 0.6 0.8 530	FN2090A-12		12 (13.4)	0.13 (0.07)	12.1	4	1	0.47	0.47	220	-06	-07	-08	391
FN2090A-30-08 30 (33.5) 0.13 (0.07) 10.1 1.5 1 10 10 220 L -08 548 FN2090B-1 1 (1.1) 0.00 1.8 2.0 0.22 L -08 -06 -07 2 73 FN2090B-3 3 (3.4) 0.00 6.4 1.4 0.33 L 4.70 -06 -07 1.76 FN2090B-4 4 (4.5) 0.00 6.4 1.4 0.33 L 4.70 -06 -07 1.76 FN2090B-6 6 (6.7) 0.00 7.71 8 0.47 L 330 -06 -07 -08 1.91 FN2090B-10 10 (11.2) 0.00 8.4 8 0.47 L 2.0 2.0 -07 -08 3.99 FN2090B-10 10 (11.2) 0.00 1.21 4 1 L 2.0 2.0 0.7 -08 3.99 FN2090B-30-08 30 (33.5) 0.00	FN2090A-16		16 (17.9)	0.13 (0.07)	10.7	4	1	0.47	0.47	220	-06	-07		425
FN299B-1 1 (1.1) 0.00 1.8 20 0.22 5 680 -06 0.7 3 73 FN299B-3 3 (3.4) 0.00 3.7 14 0.33 5 470 -06 0.7 158 FN299B-4 4 (4.5) 0.00 6.4 14 0.33 5 470 -06 0.7 158 FN299B-8 8 (8.9) 0.00 7.1 8 0.47 5 330 -06 0.7 0.8 191 FN299B-8 10 (11.2) 0.00 8.4 8 0.47 5 330 -06 0.7 0.8 359 FN299B-10 10 (11.2) 0.00 8.4 8 0.47 5 330 -06 0.7 0.8 359 FN299B-10 10 (11.2) 0.00 8.4 8 0.47 5 30 0.47 5 330 -06 0.7 0.8 359 FN299B-10 10 (11.2) 0.00 8.4 8 0.47 5 5 0.4 10 0.4	FN2090A-20		20 (22.4)	0.13 (0.07)	8.2	2.7	1	0.47	0.47	220	-06		-08	530
FN2090B-3 3 (3.4) 0.00 3.7 14 0.33 0.8 0.8 4.70 0.6 0.7 0.8 1.58	FN2090A-30-08		30 (33.5)	0.13 (0.07)	10.1	1.5	1	10	10	220			-08	548
FN2090B-4 4 (4.5) 0.00 6.4 14 0.33 470 -06 -07 176 FN2090B-6 6 (6.7) 0.00 7.1 8 0.47 330 -06 -07 -08 191 FN2090B-8 8 (8.9) 0.00 7.7 8 0.47 330 -06 -07 -08 391 FN2090B-10 10 (11.2) 0.00 8.4 8 0.47 2 330 -06 -07 0.8 369 FN2090B-12 12 (13.4) 0.00 10.7 4 1 2 20 -06 -07 0.8 391 FN2090B-20 16 (17.9) 0.00 8.2 2.7 1 2 200 -06 -07 425 FN2090B-30-08 30 (33.5) 0.00 10.1 1.5 1 2 20 -06 -07 95 Envalue FN2090K-1-06 1 (1.15) 3.46 (1.99) 1.8 20 0.22 22 <td>FN2090B-1</td> <td></td> <td>1 (1.1)</td> <td>0.00</td> <td>1.8</td> <td>20</td> <td>0.22</td> <td></td> <td></td> <td>680</td> <td>-06</td> <td>-07</td> <td></td> <td>73</td>	FN2090B-1		1 (1.1)	0.00	1.8	20	0.22			680	-06	-07		73
FN2090B-6 6 (6.7) 0.00 7.1 8 0.47 8 330 -06 -07 -08 191 FN2090B-8 8 (8.9) 0.00 7.7 8 0.47 2 330 -06 -07 0.8 330 FN2090B-10 10 (11.2) 0.00 8.4 8 0.47 2 330 -06 -07 -08 369 FN2090B-12 12 (13.4) 0.00 10.7 4 1 2 2 20 -06 -07 -08 369 FN2090B-16 16 (17.9) 0.00 10.7 4 1 4 2 2 20 -06 -07 -08 391 FN2090B-20 20 (22.4) 0.00 8.2 2.7 1 4 2 2 2 -06 -07 -08 530 FN2090B-30-08 30 (33.5) 3.46 (1.99) 1.8 20 2.2 2 2 6 0 -07	FN2090B-3		3 (3.4)	0.00	3.7	14	0.33			470	-06	-07		158
FN2090B-8 8 (89) 0.00 7.7 8 0.47 330 -06 -07 0.8 330 FN2090B-10 10 (11.2) 0.00 8.4 8 0.47 330 -06 -07 -08 369 FN2090B-12 12 (13.4) 0.00 10.7 4 1 2 20 -06 -07 -08 391 FN2090B-20 16 (17.9) 0.00 8.2 2.7 1 2 20 -06 -07 -08 391 FN2090B-30-08 30 (33.5) 0.00 10.1 1.5 1 2 20 -06 -07 08 530 FN2090B-30-08 30 (33.5) 0.00 10.1 1.5 1 .	FN2090B-4		4 (4.5)	0.00	6.4	14	0.33			470	-06	-07		176
FN2090B-10	FN2090B-6		6 (6.7)	0.00	7.1	8	0.47			330	-06	-07	-08	191
FN2090B-12 12(13.4) 0.00 12.1 4 1 C C C6 -07 -08 391 FN2090B-16 16(17.9) 0.00 10.7 4 1 C 20 -06 -07 -08 391 FN2090B-20 20(22.4) 0.00 8.2 2.7 1 C 20 20 -08 530 FN2090B-30-08 30(33.5) 0.00 10.1 1.5 1 C 2 20 -08 530 Enhanced performance C C C C C C C C -08 530 FN2090KK-1-06 1 (1.15) 3.46 (1.99) 1.8 20 0.22 22 2 680 -06 -07 95 FN2090NN-3-06 3 (3.4) 15.71 (9.05) 3.7 14 0.33 100 400 400 400 400 400 400 400 400 400 400 400 4	FN2090B-8		8 (8.9)	0.00	7.7	8	0.47			330	-06	-07		330
FN2090B-16 16 (17.9) 0.00 10.7 4 1 4 220 06 07 425 FN2090B-20 20 (22.4) 0.00 8.2 2.7 1 4 220 06 07 08 530 FN2090B-30-08 30 (33.5) 0.00 10.1 1.5 1 4 1 220 06 0 08 530 Enhanced performance 4 <td>FN2090B-10</td> <td></td> <td>10 (11.2)</td> <td>0.00</td> <td>8.4</td> <td>8</td> <td>0.47</td> <td></td> <td></td> <td>330</td> <td>-06</td> <td>-07</td> <td>-08</td> <td>369</td>	FN2090B-10		10 (11.2)	0.00	8.4	8	0.47			330	-06	-07	-08	369
FN2090B-20 20 (22.4) 0.00 8.2 2.7 1 4 20 -06 -08 530 FN2090B-30-08 30 (33.5) 0.00 10.1 1.5 1 4 20 -06 -08 548 Enhanced performance FN2090KK-1-06 1 (1.15) 3.46 (1.99) 1.8 20 0.22 22 22 680 -06 -07 95 FN2090NN-3-06 3 (3.4) 15.71 (9.05) 3.7 14 0.33 100 100 470 -06 -07 95 FN2090NN-4-06 4 (4.5) 15.71 (9.05) 6.4 14 0.33 100 100 470 -06 -0 20 FN2090NN-6-06 6 (6.7) 15.71 (9.05) 7.7 8 0.47 100 100 330 -06 -08 340 FN2090LL-10 10 (11.2) 5.18 (2.98) 8.4 8 0.47 100 100 330 -06 -08 470	FN2090B-12		12 (13.4)	0.00	12.1	4	1			220	-06	-07	-08	391
FN2090B-30-08 30 (33.5) 0.00 10.1 1.5 1 L L 20 L -08 548 Enhanced performance FN2090KK-1-06 1 (1.15) 3.46 (1.99) 1.8 20 0.22 22 22 680 -06 -07 95 FN2090NN-3-06 3 (3.4) 15.71 (9.05) 3.7 14 0.33 100 100 470 -06 -0 95 FN2090NN-4-06 4 (4.5) 15.71 (9.05) 6.4 14 0.33 100 100 470 -06 -0 200 FN2090NN-6-06 6 (6.7) 15.71 (9.05) 7.1 8 0.47 100 330 -06 -0 200 FN2090NN-8-06 8 (8.9) 15.71 (9.05) 7.7 8 0.47 100 330 -06 -0 4 4 FN2090LL-10 10 (11.2) 5.18 (2.98) 8.4 8 0.47 33 33 220 -08 -08 500 <td>FN2090B-16</td> <td></td> <td>16 (17.9)</td> <td>0.00</td> <td>10.7</td> <td>4</td> <td>1</td> <td></td> <td></td> <td>220</td> <td>-06</td> <td>-07</td> <td></td> <td>425</td>	FN2090B-16		16 (17.9)	0.00	10.7	4	1			220	-06	-07		425
Enhanced performance FN2090KK-1-06	FN2090B-20		20 (22.4)	0.00	8.2	2.7	1			220	-06		-08	530
FN2090KK-1-06 1 (1.15) 3.46 (1.99) 1.8 20 0.22 22 22 680 -06 -07 95 FN2090NN-3-06 3 (3.4) 15.71 (9.05) 3.7 14 0.33 100 100 470 -06 200 FN2090NN-4-06 4 (4.5) 15.71 (9.05) 6.4 14 0.33 100 100 470 -06 210 FN2090NN-6-06 6 (6.7) 15.71 (9.05) 7.1 8 0.47 100 100 330 -06 220 FN2090NN-8-06 8 (8.9) 15.71 (9.05) 7.7 8 0.47 100 100 330 -06 220 FN2090LL-10 10 (11.2) 5.18 (2.98) 8.4 8 0.47 100 100 330 -06 -08 470 FN2090LL-12 12 (13.4) 5.18 (2.98) 12.1 4 1 33 33 220 -06 -08 530 FN2090LL-16-06 16 (17.9) <	FN2090B-30-08		30 (33.5)	0.00	10.1	1.5	1			220			-08	548
FN2090NN-3-06 3 (3.4) 15.71 (9.05) 3.7 14 0.33 100 100 470 -06 200 FN2090NN-4-06 4 (4.5) 15.71 (9.05) 6.4 14 0.33 100 100 470 -06 210 FN2090NN-6-06 6 (6.7) 15.71 (9.05) 7.1 8 0.47 100 100 330 -06 220 FN2090NN-8-06 8 (8.9) 15.71 (9.05) 7.7 8 0.47 100 100 330 -06 340 FN2090LL-10 10 (11.2) 5.18 (2.98) 8.4 8 0.47 33 33 330 -06 -08 470 FN2090LL-12 12 (13.4) 5.18 (2.98) 12.1 4 1 33 33 220 -06 -08 530 FN2090LL-16-06 16 (17.9) 5.18 (2.98) 8.2 2.7 1 33 33 220 -06 -08 580	Enhanced performance													
FN2090NN-4-06 4 (4.5) 15.71 (9.05) 6.4 14 0.33 100 100 470 -06 210 FN2090NN-6-06 6 (6.7) 15.71 (9.05) 7.1 8 0.47 100 100 330 -06 220 FN2090NN-8-06 8 (8.9) 15.71 (9.05) 7.7 8 0.47 100 100 330 -06 340 FN2090LL-10 10 (11.2) 5.18 (2.98) 8.4 8 0.47 33 33 330 -06 -08 470 FN2090LL-12 12 (13.4) 5.18 (2.98) 12.1 4 1 33 33 220 -06 -08 500 FN2090LL-16-06 16 (17.9) 5.18 (2.98) 10.7 4 1 33 33 220 -06 -08 530 FN2090LL-20 20 (23) 5.18 (2.98) 8.2 2.7 1 33 33 220 -06 -08 580	FN2090KK-1-06			3.46 (1.99)	1.8	20		22	22	680	-06	-07		95
FN2090NN-6-06 6 (6.7) 15.71 (9.05) 7.1 8 0.47 100 100 330 -06 220 FN2090NN-8-06 8 (8.9) 15.71 (9.05) 7.7 8 0.47 100 100 330 -06 340 FN2090LL-10 10 (11.2) 5.18 (2.98) 8.4 8 0.47 33 33 330 -06 -08 470 FN2090LL-12 12 (13.4) 5.18 (2.98) 12.1 4 1 33 33 220 -06 -08 500 FN2090LL-16-06 16 (17.9) 5.18 (2.98) 8.2 2.7 1 33 33 220 -06 -08 580 FN2090LL-20 20 (23) 5.18 (2.98) 8.2 2.7 1 33 33 220 -06 -08 580	FN2090NN-3-06		3 (3.4)	15.71 (9.05)	3.7	14	0.33	100	100	470	-06			200
FN2090NN-8-06 8 (8.9) 15.71 (9.05) 7.7 8 (0.47) 100 100 330 -06 340 FN2090LL-10 10 (11.2) 5.18 (2.98) 8.4 8 (0.47) 33 (33) 33 (33) -06 -08 470 FN2090LL-12 12 (13.4) 5.18 (2.98) 12.1 4 (1) 1 (33) 33 (33) 220 (-06) -08 500 FN2090LL-16-06 16 (17.9) 5.18 (2.98) 10.7 4 (1) 33 (33) 33 (220) -06 530 FN2090LL-20 20 (23) 5.18 (2.98) 8.2 2.7 1 (33) 33 (33) 220 (-06) -08 580	FN2090NN-4-06			15.71 (9.05)	6.4	14	0.33	100	100	470	-06			210
FN2090LL-10 10 (11.2) 5.18 (2.98) 8.4 8 0.47 33 33 330 -06 -08 470 FN2090LL-12 12 (13.4) 5.18 (2.98) 12.1 4 1 33 33 220 -06 -08 500 FN2090LL-16-06 16 (17.9) 5.18 (2.98) 10.7 4 1 33 33 220 -06 530 FN2090LL-20 20 (23) 5.18 (2.98) 8.2 2.7 1 33 33 220 -06 -08 580	FN2090NN-6-06		6 (6.7)	15.71 (9.05)	7.1	8	0.47	100	100	330	-06			220
FN2090LL-12 12 (13.4) 5.18 (2.98) 12.1 4 1 33 33 220 -06 -08 500 FN2090LL-16-06 16 (17.9) 5.18 (2.98) 10.7 4 1 33 33 220 -06 530 FN2090LL-20 20 (23) 5.18 (2.98) 8.2 2.7 1 33 33 220 -06 -08 580	FN2090NN-8-06		8 (8.9)	15.71 (9.05)	7.7	8		100	100	330	-06			340
FN2090LL-16-06 16 (17.9) 5.18 (2.98) 10.7 4 1 33 33 220 -06 530 FN2090LL-20 20 (23) 5.18 (2.98) 8.2 2.7 1 33 33 220 -06 -08 580	FN2090LL-10		10 (11.2)	5.18 (2.98)	8.4	8	0.47	33	33	330	-06		-08	470
FN2090LL-20 20 (23) 5.18 (2.98) 8.2 2.7 1 33 33 220 -06 -08 580	FN2090LL-12		12 (13.4)	5.18 (2.98)	12.1	4	1	33	33	220	-06		-08	500
	FN2090LL-16-06			5.18 (2.98)	10.7	4	1	33	33	220	-06			530
FN2090LL-30-08 30 (33.5) 5.18 (2.98) 10.1 1.5 1 33 33 220 -08 600	FN2090LL-20			5.18 (2.98)	8.2	2.7	1	33	33	220	-06		-08	580
	FN2090LL-30-08		30 (33.5)	5.18 (2.98)	10.1	1.5	1	33	33	220			-08	600

 $^{^{**}}$ To compile a complete part number, please replace the -.. with the required I/O connection style.

勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

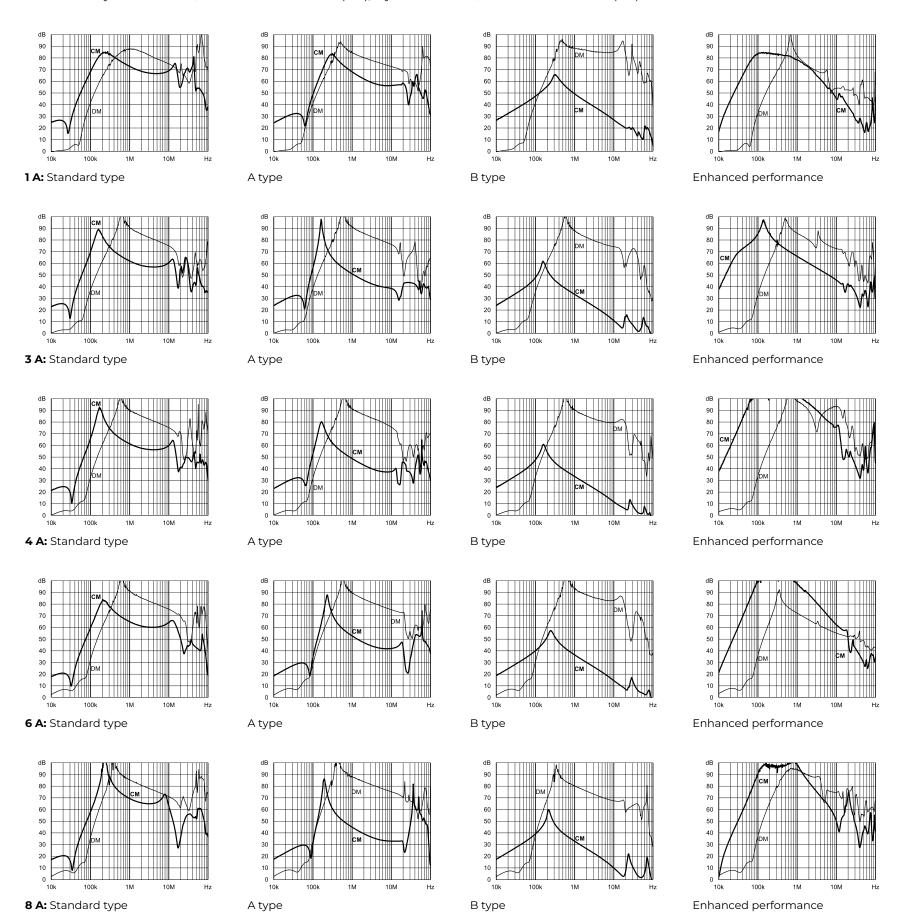
^{**} For surge pulse protection, please add Z (e.g. FN2090Z-10-06, FN2090BZ-20-08). The different letters code the used Cy values in the filter type (A = 0.47nF; K = 22nF; L = 33nF; N = 100nF; as the FN2090 is a dual stage filter each letter stands for one stage of Cy)

^{**} Maximum leakage under usual AC operating conditions (acc. IEC 60939-3). Note: if the neutral line is interrupted, worst case leakage could reach twice this level. Leakage current for DC application is 0mA

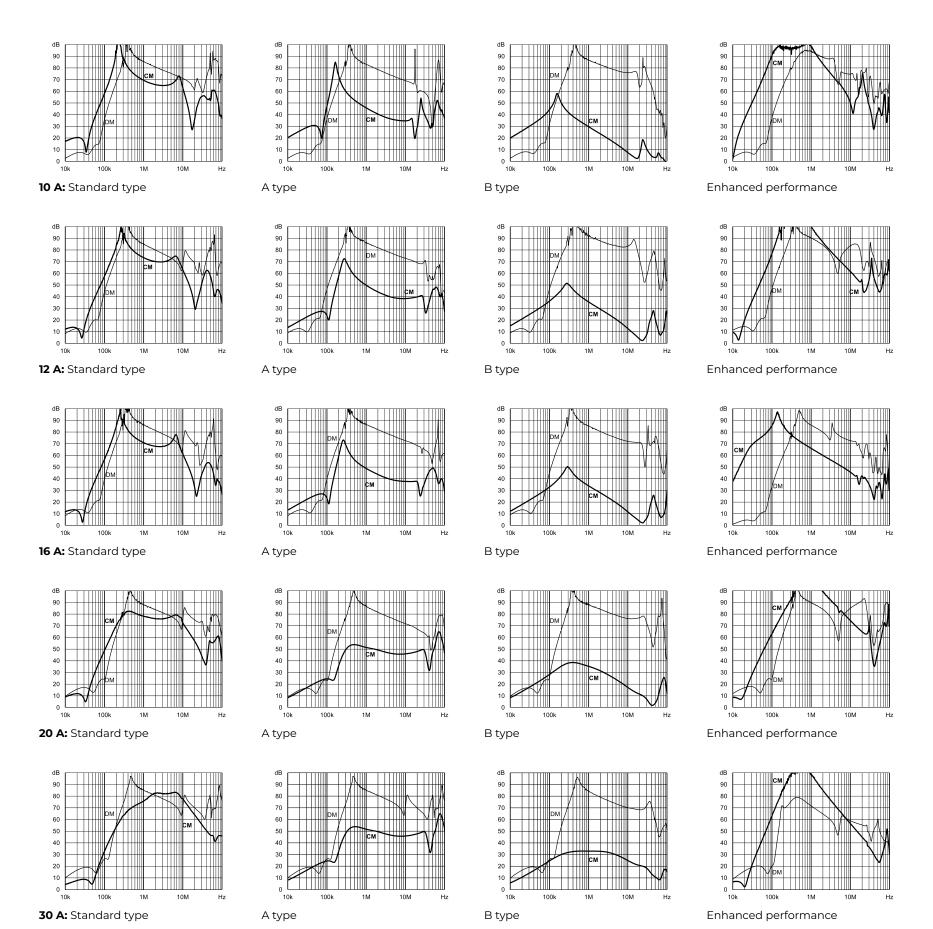
^{***} Tolerances apply: Inductance: -30/+50%, Capacitance: ±20%, Resistance: ±10%

Typical Filter Attenuation

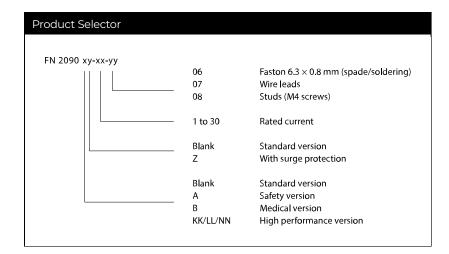
Per CISPR 17: symmetrical 50 Ω /50 Ω -> Differential Mode (DM); asymmetrical 50 Ω /50 Ω -> Common Mode (CM)



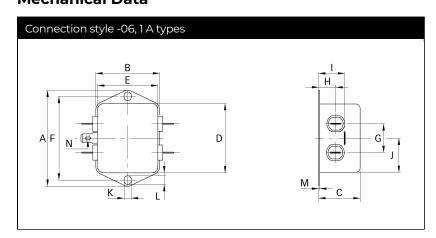
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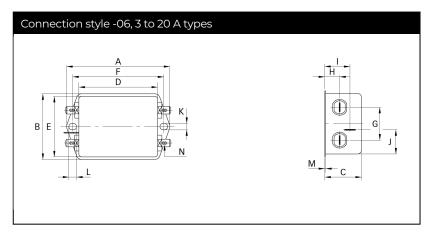


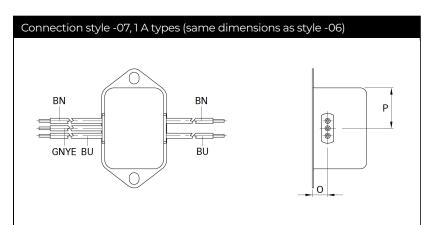
勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 $Http://www.\ 100y.\ com.\ tw$

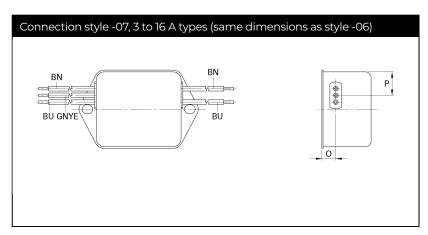


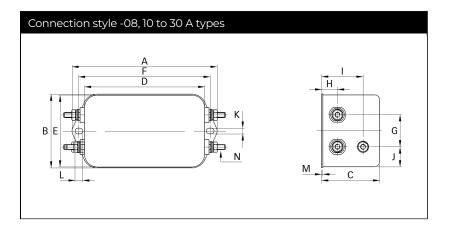
Mechanical Data











勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-34970699 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

Dimensions

	1 A	3 A	4 A	6 A	8 A	10 A	12 A	16 A	20 A	30 A	Tolerances
Α	71	85	85	85	113.5 ±1	113.5 ±1	113.5 ±1	113.5 ±1	113.5 ±1	113.5 ±1	±0.5
В	46.6	54	54	54	57.5 ±1	57.5 ±1	57.5 ±1	57.5 ±1	57.5 ±1	57.5 ±1	±0.5
С	22.3	30.3	30.3	30.3	45.4 ±1	45.4 ±1	45.4 ±1	45.4 ±1	45.4 ±1	45.4 ±1	±0.5
D	50.5	64.8	64.8	64.8	94 ±1	94 ±1	94 ±1	94 ±1	94 ±1	94 ±1	±0.5
E	44.5	49.8	49.8	49.8	56	56	56	56	56	56	±0.5
F	61	75	75	75	103	103	103	103	103	103	±0.3
G	21	27	27	27	25	25	25	25	25	25	±0.2
Н	10.8	12.3	12.3	12.3	12.4	12.4	12.4	12.4	12.4	12.4	±0.5
I	16.8	20.8	20.8	20.8	32.4	32.4	32.4	32.4	32.4	32.4	±0.5
J	25.25	19.9	19.9	19.9	15.5	15.5	15.5	15.5	15.5	15.5	±0.5
Κ	5.3	5.3	5.3	5.3	4.4	4.4	4.4	4.4	4.4	4.4	
L	6.3	6.3	6.3	6.3	6	6	6	6	6	6	
М	0.7	0.7	0.7	0.7	1	1	1	1	1	1	±0.3
Connection style -06											
N	6.3 x 0.8										
Connection style -07											
0	8.3	8.3	8.3	8.3	8.4	8.4	8.4	8.4			±0.5
P	14	14.9	14.9	14.9	18	18	18	18			±0.5
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			+5
Connection style -08											
N						M4	M4	M4	M4	M4	
Recommended torque (Nm)						1.2 - 1.3	1.2 - 1.3	1.2 - 1.3	1.2 - 1.3	1.2 - 1.3	
Earth terminal						1.5 - 1.7	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7	1.5 - 1.7	

All dimensions in mm; 1 inch = 25.4 mm Tolerances according: ISO 2768-m/EN 22768-m

Please visit $\underline{www.schaffner.com}$ to find more details on filter connectors.

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