

Versatile easy-mount filter

FN 420

- 0.6-6.5A current ratings
- low profile case
- designed for easy-mounting
- Nennströme von 0,6 bis 6,5 A
- Flaches Gehäuse
- Einfache Montage
- courants de service de 0,6 à 6,5 A
- boîtier à hauteur réduite
- conçu pour un montage simple



Filter selection table

Choose the family FN xxx with the required current rating and features, and add /?? to determine input/output (line/load) connection style. Example: FN 422-4/13 is a 4A filter with mini fast-on connections.

Approvals



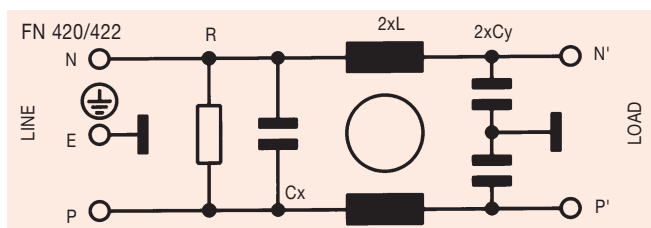
Family	Connections 	Current ratings at 40°C (25°) A	Inductance L mH
FN 42? -0.6 /??	/13	0.6 (0.7)	22.5
FN 42? -1 /??	/13	1 (1.2)	13
FN 42? -2.5 /??	/13	2.5 (3)	3.4
FN 42? -4 /??	/13	4 (4.8)	2
FN 42? -6.5 /??	/13	6.5 (7.3)	0.75

Additional specifications

Filter type	Capacitance Cx nF	Cy nF	Res. R MΩ	Maximum leakage μA/phase	Maximum operating voltage VAC Hz	Operating frequency Hz	Hipot test voltage PN→E VAC	P→N VDC	Housing	Weight g
FN 420 types	150	2.2	1	190	250 50/60	DC to 400	2000	1700	A7B	70
FN 422 types	150	4.7	1	190	250 50/60	DC to 400	2000	1700	A7B	70

MTBF at 40°C, 230V, per Mil-HB-217F: 625,000 hours.

Electrical schematic

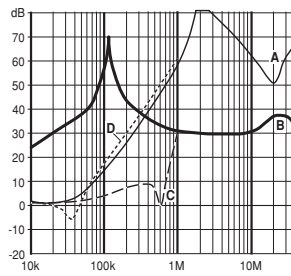


See tables for component values.

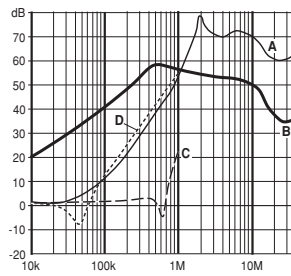
FN 420 insertion loss

Per CISPR 17; A = 50Ω/50Ω sym, B = 50Ω/50Ω asym, C = 0.1Ω/100Ω sym, D = 100Ω/0.1Ω sym

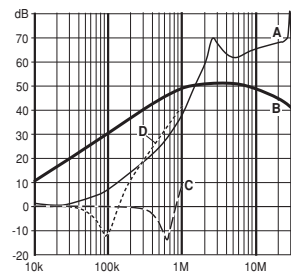
FN 420 0.6 amp types



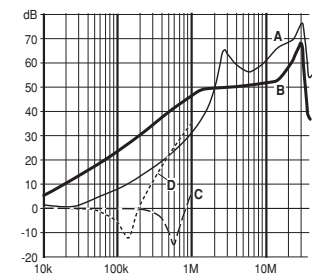
FN 420 1 amp types



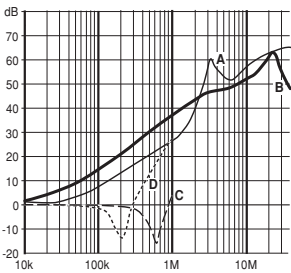
FN 420 2.5 amp types



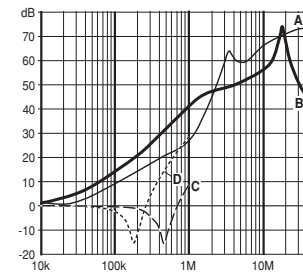
FN 420 4 amp types



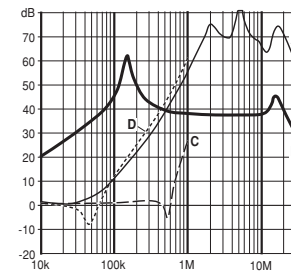
FN 420 6.5 amp types



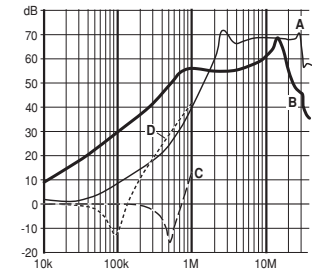
FN 422 0.6 amp types



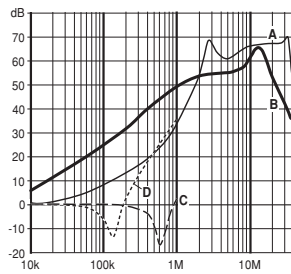
FN 422 1 amp types



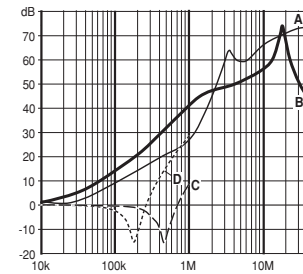
FN 422 2.5 amp types



FN 422 4 amp types



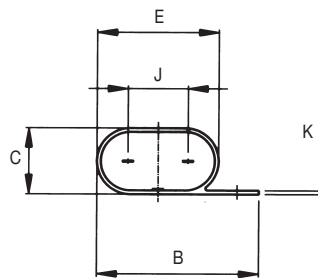
FN 422 6.5 amp types



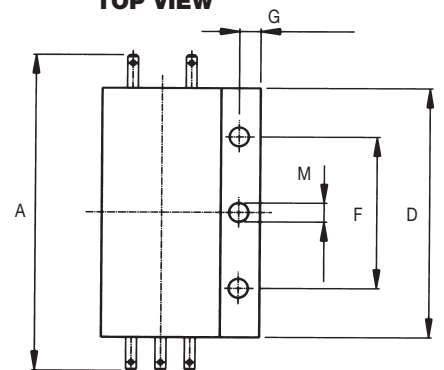
Mechanical data

		Tol. mm
A	83	± 0.5
B	41	± 0.3
C	17	± 0.3
D	65.8	± 0.2
E	31	± 0.5
F	40	± 0.2
G	5.5	± 0.3
J	15.2	± 0.3
K	1	± 0.1
M	∅5	± 0.1

FRONT VIEW



TOP VIEW



All dimensions in mm; 1 inch = 25.4 mm

Mouser Electronics

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Schaffner:

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