

Single Phase Block Filter FMAB NEO



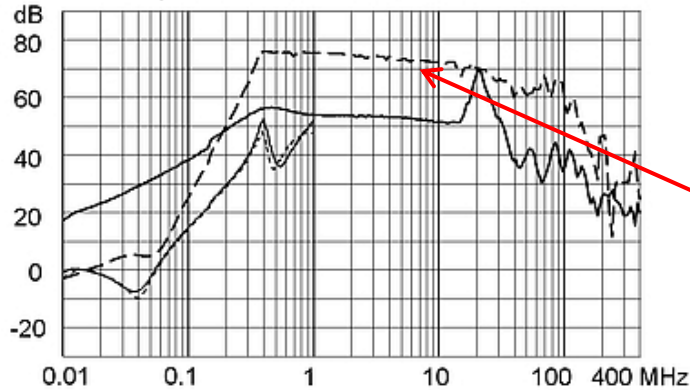
- > Excellent symmetrical attenuation
- > Compact and cost optimized
- > Wide temperature range
- > Optional wire leads



- > Compact single phase block filter
- > Full metal housing
- > Current ratings: N: 1 - 30A @ 40°C
P, Q: 1 - 60A @ 40°C
- > Operating temperature: -40 to 100°C
- > Filter medical M5 / M80 versions
- > Terminals:
 - 1 – 20A: quick connect 6.3 x 0.8mm
 - 30 - 60A: nut and bolt
 - optional: wire leads
- > Approvals according IEC 60939, UL 1283, CSA C22.2 no. 8
- > Designed to meet IEC 60950 and IEC 60601-1



Design N 6A



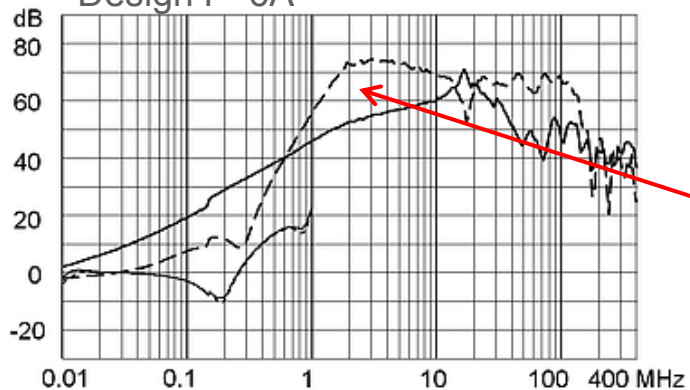
Design N

- > Best attenuation
- > Excellent symmetrical
- > High asymmetrical

Chart Legend:

- 50Ω differential mode
- _____ 50Ω common mode
- 0.1/100Ω differential mode
- 100/0.1Ω differential mode

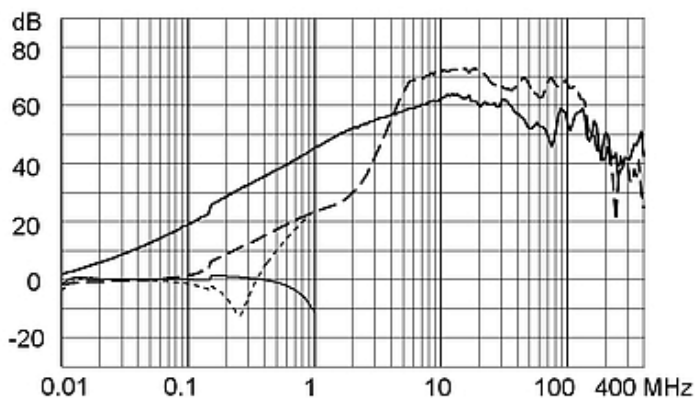
Design P 6A



Design P

- > High attenuation
- > High symmetrical
- > Good asymmetrical

Design Q 6A



Design Q

- > Standard attenuation
- > Good asymmetrical / symmetrical

Strategic Positioning

- > Extension of SCHURTER's single phase filter range
- > New filter family with 3 different filter designs for different applications
- > First series of a new filter family made in China
- > Cost effective solution: single stage filter with big capacitors

Applications

- > Applications with high symmetrical noise
- > Industrial applications
- > Commercial kitchen equipment
- > Datacom equipment
- > Medical equipment

Competitors

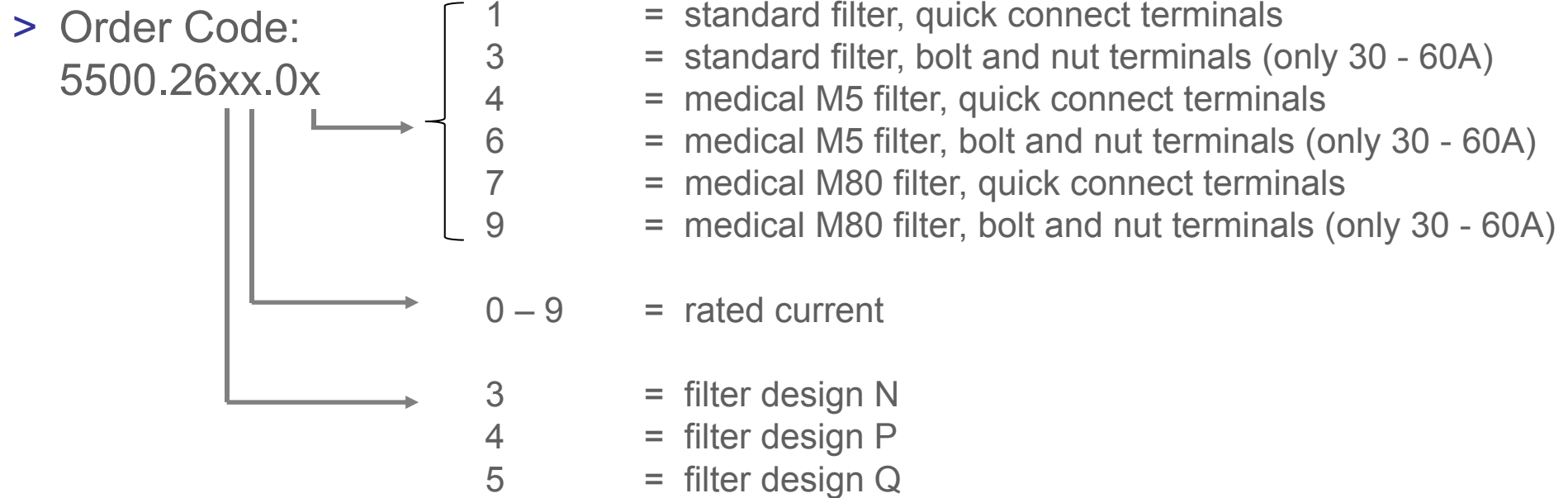
- > Schaffner FN 2030, TE (Corcom) K series, Radius Power RP series

Price Position


- > Competitive with Schaffner

USP (Customer Focus)

- > Compact with full metal case
- > -40 to 100°C operating temperature
- > Wide current range
- > Optional wire leads



FMAB NEO – Cross reference

Manufacturer	Schurter www.schurter.com		Schaffner www.schaffner.com	Corcom www.corcom.com	Radius Power www.radiuspower.com
	FMAB NEO 		FN 2010 - 2030 	K / B series 	RP series 
1 Phase Filter single stage					
Technical features	Design	Part no.	Part no.	Part no.	Part no.
			FN2030	K series	RP series
1 A @ 40°C, 250 VAC	N	5500.2630.01	FN2030-1-06	1VK1	n/a
3 A @ 40°C, 250 VAC	N	5500.2631.01	FN2030-3-06	3VK1	n/a
4 A @ 40°C, 250 VAC	N	5500.2632.01	n/a	n/a	n/a
6 A @ 40°C, 250 VAC	N	5500.2633.01	FN2030-6-06	n/a	n/a
8 A @ 40°C, 250 VAC	N	5500.2634.01	n/a	n/a	n/a
10 A @ 40°C, 250 VAC	N	5500.2635.01	FN2030-10-06	10VK1	RP120-10-4.7-QD
12 A @ 40°C, 250 VAC	N	5500.2636.01	n/a	n/a	n/a
16 A @ 40°C, 250 VAC	N	5500.2637.01	FN2030-16-06	n/a	RP135-20-10-QD
20 A @ 40°C, 250 VAC	N	5500.2638.01	FN2030-20-08	20VK6	RP135-20-10-S
30 A @ 40°C, 250 VAC	N	5500.2639.03	FN2030-30-08	30VK6	n/a
			FN 2020		
1 A @ 40°C, 250 VAC	P	5500.2640.01	FN2020-1-06	n/a	n/a
3 A @ 40°C, 250 VAC	P	5500.2641.01	FN2020-3-06	n/a	n/a
6 A @ 40°C, 250 VAC	P	5500.2642.01	FN2020-6-06	n/a	n/a
10 A @ 40°C, 250 VAC	P	5500.2643.01	FN2020-10-06	n/a	n/a
12 A @ 40°C, 250 VAC	P	5500.2644.01	FN2020-12-06	n/a	n/a
16 A @ 40°C, 250 VAC	P	5500.2645.01	FN2020-16-06	n/a	n/a
20 A @ 40°C, 250 VAC	P	5500.2646.01	FN2020-20-08	n/a	n/a
30 A @ 40°C, 250 VAC	P	5500.2647.03	FN2020-30-08	n/a	n/a
60 A @ 40°C, 250 VAC	P	5500.2648.03	FN2020-60-24	n/a	n/a
			FN 2010	B series	RP series
1 A @ 40°C, 250 VAC	Q	5500.2650.01	FN2010-1-06	1VB1	RP100-3-4.7-QD
3 A @ 40°C, 250 VAC	Q	5500.2651.01	FN2010-3-06	3VB1	RP100-3-4.7-QD
6 A @ 40°C, 250 VAC	Q	5500.2652.01	FN2010-6-06	n/a	RP100-6-4.7-QD
10 A @ 40°C, 250 VAC	Q	5500.2653.01	FN2010-10-06	10VB1	RP100-10-4.7-QD
12 A @ 40°C, 250 VAC	Q	5500.2654.01	FN2010-12-06	n/a	n/a
16 A @ 40°C, 250 VAC	Q	5500.2655.01	FN2010-16-06	n/a	RP135-16-4.7-QD
20 A @ 40°C, 250 VAC	Q	5500.2656.01	FN2010-20-06	20VB1	RP110-20-4.7-QD
30 A @ 40°C, 250 VAC	Q	5500.2657.03	FN2010-30-08	30VB6	RP125-30-10-S
60 A @ 40°C, 250 VAC	Q	5500.2658.03	FN2010-60-08	n/a	RP135-60-10-S

new

new

Medical Equipment



Medical laboratory equipment

Industrial Applications



Welding machines

Datacom Equipment



Commercial kitchen equipment



Commercial coffee machines



Datacom analysis equipment

Additional Information

- > Website enables quick access to sales and marketing materials
- > Click on [Partner Services](#) to download:
 - > Latest press releases
 - > Training presentations
 - > Price lists
 - > High and low resolution product photos
- > Samples can be ordered from the standard product inventory
- > Microsite: <http://fmab-neo.schurter.com>

Technical Assistance

- > For general product questions, contact your Inside Sales Representative.