

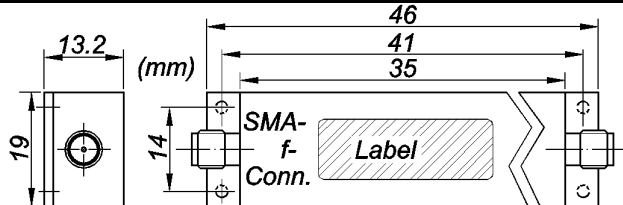
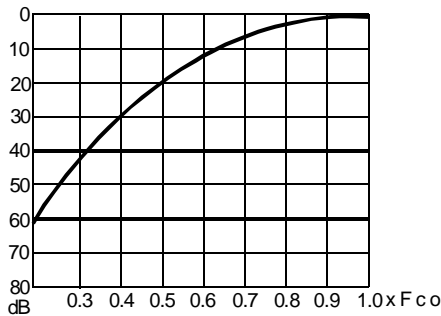


**Wainwright
Instruments GmbH**

Widdersberger Str.14
D82346 Andechs, Germany
Tel.: +49-8152-918230 Fax: +49-8152-918255

E-Mail: info@wainwright-filters.com
Internet: www.wainwright-filters.com

Fco between 35 and 184 MHz	Highpass Stock* Filters Chebyshev Design 2 Sections	WHKS Series: 13.2 mm high (SMA-female connectors)
---	--	--



Mounting Holes $\varnothing = 2.1$ mm

Return Loss (50 Ω) in Passband:
 near Fco: **20 dB typical** = VSWR 1.23 : 1 max.
 at the worst point: **14 dB min.** = VSWR 1.5 : 1 max.

Model Number	Passband MHz	Max. Insertion Loss			Reject Attenuation	
		at Fco	at 1.03 x Fco	at 1.1 x Fco	40 dB min. at 0.33 x Fco =	60 dB min. from DC to 0.21 x Fco =
WHKS 35-2SS	35 to 1000	0.39 dB	0.32 dB	0.30 dB	11.6 MHz	DC to 7.4 MHz
WHKS 40-2SS	40 to 1000	0.39 dB	0.32 dB	0.30 dB	13.2 MHz	DC to 8.4 MHz
WHKS 45-2SS	45 to 1000	0.39 dB	0.32 dB	0.30 dB	14.9 MHz	DC to 9.5 MHz
WHKS 50-2SS	50 to 1250	0.30 dB	0.28 dB	0.27 dB	16.5 MHz	DC to 10.5 MHz
WHKS 55-2SS	55 to 1250	0.30 dB	0.28 dB	0.27 dB	18.2 MHz	DC to 11.6 MHz
WHKS 60-2SS	60 to 1250	0.30 dB	0.28 dB	0.27 dB	19.8 MHz	DC to 12.6 MHz
WHKS 65-2SS	65 to 1500	0.30 dB	0.28 dB	0.27 dB	21.5 MHz	DC to 13.7 MHz
WHKS 70-2SS	70 to 1500	0.30 dB	0.28 dB	0.27 dB	23.1 MHz	DC to 14.7 MHz
WHKS 75-2SS	75 to 1500	0.30 dB	0.28 dB	0.27 dB	24.8 MHz	DC to 15.8 MHz
WHKS 80-2SS	80 to 1500	0.30 dB	0.28 dB	0.27 dB	26.4 MHz	DC to 16.8 MHz
WHKS 90-2SS	90 to 1500	0.30 dB	0.28 dB	0.27 dB	29.7 MHz	DC to 18.9 MHz
WHKS 100-2SS	100 to 2000	0.28 dB	0.27 dB	0.26 dB	33.0 MHz	DC to 21.0 MHz
WHKS 110-2SS	110 to 2000	0.28 dB	0.27 dB	0.26 dB	36.3 MHz	DC to 23.1 MHz
WHKS 120-2SS	120 to 2000	0.28 dB	0.27 dB	0.26 dB	39.6 MHz	DC to 25.2 MHz
WHKS 130-2SS	130 to 2000	0.28 dB	0.27 dB	0.26 dB	42.9 MHz	DC to 27.3 MHz
WHKS 140-2SS	140 to 2000	0.28 dB	0.27 dB	0.26 dB	46.2 MHz	DC to 29.4 MHz
WHKS 150-2SS	150 to 2000	0.28 dB	0.27 dB	0.26 dB	49.5 MHz	DC to 31.5 MHz
WHKS 160-2SS	160 to 2000	0.28 dB	0.27 dB	0.26 dB	52.8 MHz	DC to 33.6 MHz
WHKS 170-2SS	170 to 2000	0.28 dB	0.27 dB	0.26 dB	56.1 MHz	DC to 35.7 MHz

Filters with **cut-off frequencies that are not listed above:**

Choose any Fco between 35 and 184 MHz and assign a **Model Number** by inserting the desired Fco.

Example = WHKS 125-2SS. The insertion loss of the lower frequency filter applies.

Example: insertion loss of filter WHKS 125-2SS see filter WHKS 120-2SS.

PRICES (each)	EURO ¹⁾	US-\$ ²⁾
1 to 4 filters	184	377
5 to 9 filters	166	240
10 to 24 filters	149	205
Test Data Sheets:	10	12
Netw. Analyzer Curves:	15	18
Cert. of Conformance:	supplied	

- 1) **EURO-Prices** are based on shipment ex factory, except for delivery within Germany, where shipping is included.
- 2) **US-\$-Prices include packaging, shipping by UPS, import charges, and customs duty.** Dollar prices for shipments to the US only. **Customers from the USA are welcome to purchase at EURO-Prices** and carry postage/freight and all import charges directly.

STOCK* FILTERS carry an „S“ in the model number (i.e. WHKS 120-2SS). Such filters are either in stock or can be built quickly from prepared assemblies. The filters are guaranteed to meet the specifications shown in the data sheets. Certificate of Conformance is supplied. Prices for Test Sheets see above.

For more details see terms & ordering information.

Delivery time if not in stock: normally 3 to 4 weeks - depending on work load in factory at time of order.