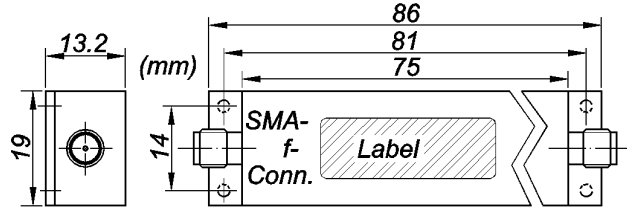
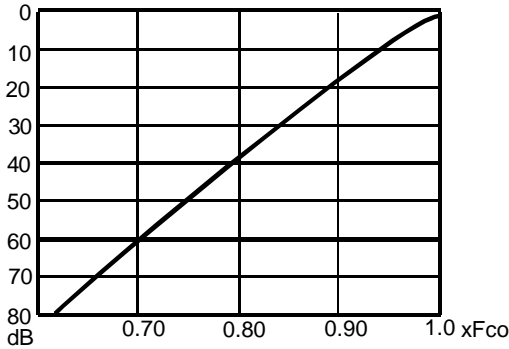




**Wainwright  
Instruments GmbH**

Widdersberger Str.14  
**D82346 Andechs, Germany**  
 Tel.: +49-8152-918230 Fax: +49-8152-918255  
 E-Mail: [info@wainwright-filters.com](mailto:info@wainwright-filters.com)  
 Internet: [www.wainwright-filters.com](http://www.wainwright-filters.com)

<b>Fco between 35 and 184 MHz</b>	<b>Highpass Stock* Filters</b> <b>Chebyshev Design</b> <b>6 Sections</b>	<b>WHKS Series:</b> 13.2 mm high (SMA-female connectors)
---	--	--



Mounting Holes  $\varnothing = 2.1$  mm

**Return Loss (50  $\Omega$ ) 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 0.79 x Fco =	60 dB min. from DC to 0.705 x Fco =
WHKS 35-6SS	35 to 1000	1.60 dB	1.27 dB	0.98 dB	27.7 MHz	DC to 24.7 MHz
WHKS 40-6SS	40 to 1000	1.48 dB	1.18 dB	0.91 dB	31.6 MHz	DC to 28.2 MHz
WHKS 45-6SS	45 to 1000	1.36 dB	1.09 dB	0.85 dB	35.6 MHz	DC to 31.7 MHz
WHKS 50-6SS	50 to 1250	1.23 dB	0.98 dB	0.76 dB	39.5 MHz	DC to 35.3 MHz
WHKS 55-6SS	55 to 1250	1.23 dB	0.98 dB	0.76 dB	43.5 MHz	DC to 38.8 MHz
WHKS 60-6SS	60 to 1250	1.23 dB	0.98 dB	0.76 dB	47.4 MHz	DC to 42.3 MHz
WHKS 65-6SS	65 to 1500	1.23 dB	0.98 dB	0.76 dB	51.4 MHz	DC to 45.8 MHz
WHKS 70-6SS	70 to 1500	1.23 dB	0.98 dB	0.76 dB	55.3 MHz	DC to 49.4 MHz
WHKS 75-6SS	75 to 1500	1.10 dB	0.89 dB	0.70 dB	59.3 MHz	DC to 52.9 MHz
WHKS 80-6SS	80 to 1500	1.10 dB	0.89 dB	0.70 dB	63.2 MHz	DC to 56.4 MHz
WHKS 90-6SS	90 to 1500	1.10 dB	0.89 dB	0.70 dB	71.1 MHz	DC to 63.5 MHz
WHKS 100-6SS	100 to 2000	0.98 dB	0.80 dB	0.65 dB	79.0 MHz	DC to 70.5 MHz
WHKS 110-6SS	110 to 2000	0.98 dB	0.80 dB	0.65 dB	86.9 MHz	DC to 77.6 MHz
WHKS 120-6SS	120 to 2000	0.98 dB	0.80 dB	0.65 dB	94.8 MHz	DC to 84.6 MHz
WHKS 130-6SS	130 to 2000	0.98 dB	0.80 dB	0.65 dB	103.0 MHz	DC to 91.7 MHz
WHKS 140-6SS	140 to 2000	0.98 dB	0.80 dB	0.65 dB	111.0 MHz	DC to 98.7 MHz
WHKS 150-6SS	150 to 2000	0.98 dB	0.80 dB	0.65 dB	119.0 MHz	DC to 106 MHz
WHKS 160-6SS	160 to 2000	0.98 dB	0.80 dB	0.65 dB	126.0 MHz	DC to 113 MHz
WHKS 170-6SS	170 to 2000	0.98 dB	0.80 dB	0.65 dB	134.0 MHz	DC to 120 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 125-6SS.** The insertion loss of the lower frequency filter applies.

Example: insertion loss of filter WHKS 125-6SS see filter WHKS 120-6SS.

PRICES (each)	EURO <sup>1)</sup>	US-\$ <sup>2)</sup>
1 to 4 filters	285	494
5 to 9 filters	256	355
10 to 24 filters	230	305
Test Data Sheets:	10	12
Netw. Analyzer Curves:	15	18
Cert. of Conformance:	supplied	

**STOCK\* FILTERS** carry an „S“ in the model number (i.e. WHKS 120-6SS). 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.

<sup>1)</sup> **EURO-Prices** are based on shipment ex factory, except for delivery within Germany, where shipping is included.

<sup>2)</sup> **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.

**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.