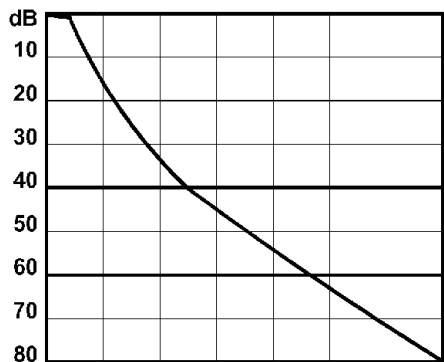




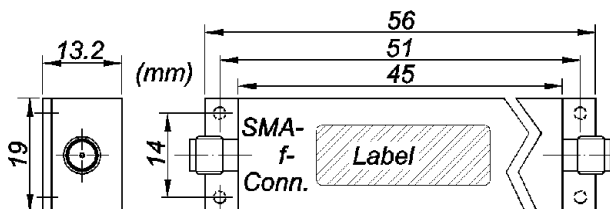
**Wainwright  
Instruments GmbH**

Widdersberger Str.14  
**82346 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 30 and 184 MHz</b>	<b>Lowpass Standard* Filters Chebyshev Design 4 Sections</b>	<b>WLKS Series: 13.2 mm high (SMA-female connectors)</b>
---	--	--



Fco x 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4



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 DC to Fco	Max. Insertion Loss			Reject Attenuation	
		at Fco	at 0.97 x Fco	at 0.90 x Fco	40 dB min. at 1.53 x Fco =	60 dB min. from 1.95 x Fco to
WLKS 30-4SS	30 MHz	0.60 dB	0.55 dB	0.45 dB	45.9 MHz	58.5 to 4000 MHz
WLKS 35-4SS	35 MHz	0.60 dB	0.55 dB	0.45 dB	53.6 MHz	68.3 to 4000 MHz
WLKS 40-4SS	40 MHz	0.60 dB	0.55 dB	0.45 dB	61.2 MHz	78.0 to 4000 MHz
WLKS 45-4SS	45 MHz	0.60 dB	0.55 dB	0.45 dB	68.9 MHz	87.8 to 4000 MHz
WLKS 50-4SS	50 MHz	0.60 dB	0.55 dB	0.45 dB	76.5 MHz	97.5 to 4000 MHz
WLKS 55-4SS	55 MHz	0.60 dB	0.55 dB	0.45 dB	84.2 MHz	107 to 4000 MHz
WLKS 60-4SS	60 MHz	0.60 dB	0.55 dB	0.45 dB	91.8 MHz	117 to 4000 MHz
WLKS 65-4SS	65 MHz	0.60 dB	0.55 dB	0.45 dB	99.5 MHz	127 to 4000 MHz
WLKS 70-4SS	70 MHz	0.60 dB	0.55 dB	0.45 dB	107 MHz	137 to 4000 MHz
WLKS 75-4SS	75 MHz	0.55 dB	0.50 dB	0.45 dB	115 MHz	146 to 4000 MHz
WLKS 80-4SS	80 MHz	0.55 dB	0.50 dB	0.45 dB	122 MHz	156 to 4000 MHz
WLKS 90-4SS	90 MHz	0.55 dB	0.50 dB	0.45 dB	138 MHz	176 to 4000 MHz
WLKS 100-4SS	100 MHz	0.50 dB	0.45 dB	0.40 dB	153 MHz	195 to 4000 MHz
WLKS 110-4SS	110 MHz	0.50 dB	0.45 dB	0.40 dB	168 MHz	215 to 4000 MHz
WLKS 120-4SS	120 MHz	0.50 dB	0.45 dB	0.40 dB	184 MHz	234 to 4000 MHz
WLKS 130-4SS	130 MHz	0.50 dB	0.45 dB	0.40 dB	199 MHz	254 to 4000 MHz
WLKS 140-4SS	140 MHz	0.50 dB	0.45 dB	0.40 dB	214 MHz	273 to 4000 MHz
WLKS 150-4SS	150 MHz	0.50 dB	0.45 dB	0.40 dB	230 MHz	293 to 4000 MHz
WLKS 160-4SS	160 MHz	0.50 dB	0.45 dB	0.40 dB	245 MHz	312 to 4000 MHz
WLKS 170-4SS	170 MHz	0.50 dB	0.45 dB	0.40 dB	260 MHz	332 to 4000 MHz

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

Choose any Fco between 30 and 184 MHz and assign a **Model Number** by inserting the desired Fco.

**Example = WLKS 125-4SS.** The insertion loss of the lower frequency filter applies.

Example: insertion loss of filter WLKS 125-4SS see filter WLKS 120-4SS.

PRICES (each)	EURO	US-\$
1 to 4 filters	219	Will be quoted
5 to 9 filters	197	
10 to 24 filters	177	
Test Report with Analyzer Curves:	15	
Cert. of Conformance:	supplied	

**Delivery Terms:** FCA Andechs-Frieding  
(free carrier) according to **Incoterms 2000**

Regarding payment terms and Warranty  
see [Terms and Conditions](#)

In Deutschland liefern wir frachtfrei gemäß  
CPT **Incoterms 2000** (unversichert).

**Delivery Time:** normally 3 to 4 weeks -  
depending on quantity ordered and on  
our work load at time of order.

\*) **Standard Filters** carry an „S“ in the model number (i.e. WLKS 120-4SS). 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.