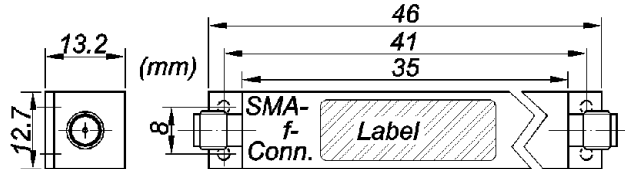
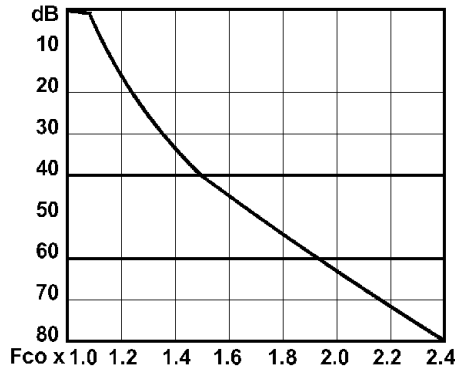




**Wainwright  
Instruments GmbH**

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<br/>between<br/>1000 and 6000 MHz</b> | <b>Lowpass Standard* Filters<br/>Chebyshev Design<br/>4 Sections</b> | <b>WLKS Series:<br/>13.2 mm high<br/>(SMA-female connectors)</b> |
|--|--|--|



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<br>DC to Fco | Max. Insertion Loss |               |               | Reject Attenuation            |                                  |
|---------------|-----------------------|---------------------|---------------|---------------|-------------------------------|----------------------------------|
|               |                       | at Fco              | at 0.97 x Fco | at 0.90 x Fco | 40 dB min.<br>at 1.53 x Fco = | 60 dB min.<br>from 1.95 x Fco to |
| WLKS 1000-4SS | 1000 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 1530 MHz                      | 1950 to 8000 MHz                 |
| WLKS 1100-4SS | 1100 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 1683 MHz                      | 2145 to 8000 MHz                 |
| WLKS 1200-4SS | 1200 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 1836 MHz                      | 2340 to 8000 MHz                 |
| WLKS 1300-4SS | 1300 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 1989 MHz                      | 2535 to 8000 MHz                 |
| WLKS 1400-4SS | 1400 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 2142 MHz                      | 2730 to 8000 MHz                 |
| WLKS 1500-4SS | 1500 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 2295 MHz                      | 2925 to 9000 MHz                 |
| WLKS 1600-4SS | 1600 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 2448 MHz                      | 3120 to 9000 MHz                 |
| WLKS 1700-4SS | 1700 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 2601 MHz                      | 3315 to 9000 MHz                 |
| WLKS 1800-4SS | 1800 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 2754 MHz                      | 3510 to 9000 MHz                 |
| WLKS 2000-4SS | 2000 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 3060 MHz                      | 3900 to 10000 MHz                |
| WLKS 2250-4SS | 2250 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 3443 MHz                      | 4388 to 10000 MHz                |
| WLKS 2500-4SS | 2500 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 3825 MHz                      | 4875 to 10000 MHz                |
| WLKS 3000-4SS | 3000 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 4590 MHz                      | 5850 to 11000 MHz                |
| WLKS 3500-4SS | 3500 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 5355 MHz                      | 6825 to 11000 MHz                |
| WLKS 4500-4SS | 4500 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 6885 MHz                      | 8775 to 11000 MHz                |
| WLKS 5000-4SS | 5000 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 7650 MHz                      | 9750 to 11000 MHz                |
| WLKS 5500-4SS | 5500 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 8415 MHz                      | 10725 to 11000 MHz               |
| WLKS 6000-4SS | 6000 MHz              | 0.35 dB             | 0.30 dB       | 0.25 dB       | 9180 MHz                      | 40 dB to 11000 MHz               |

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

Choose any Fco between 1000 and 6000 MHz and assign a **Model Number** by inserting the desired Fco.

**Example = WLKS 1350-4SS.** The insertion loss of the lower frequency filter applies.

Example: insertion loss of filter WLKS 1350-4SS see filter WLKS 1300-4SS.

| 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 600-4SS). 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.