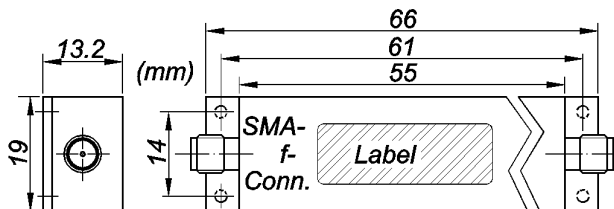
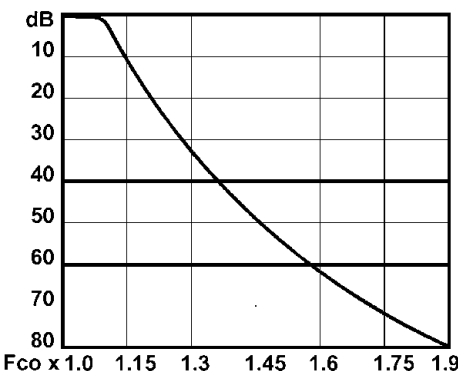




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|   |   |  |
|---|---|--|
| <b>Fco<br/>between<br/>35 and 184 MHz</b> | <b>Lowpass Stock* Filters</b><br><b>Chebyshev Design</b><br><b>5 Sections</b> | <b>WLKS Series:</b><br>13.2 mm high<br>(SMA-female connectors) |
|---|---|--|



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<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 1.35 x Fco = | 60 dB min.<br>from 1.57 x Fco to |
| WLKS 35-5SS  | 35 MHz                | 0,85 dB             | 0,75 dB       | 0,60 dB       | 47,3 MHz                      | 55,0 to 4000 MHz                 |
| WLKS 40-5SS  | 40 MHz                | 0,85 dB             | 0,75 dB       | 0,60 dB       | 54,0 MHz                      | 62,8 to 4000 MHz                 |
| WLKS 45-5SS  | 45 MHz                | 0,85 dB             | 0,75 dB       | 0,60 dB       | 60,8 MHz                      | 70,7 to 4000 MHz                 |
| WLKS 50-5SS  | 50 MHz                | 0,75 dB             | 0,65 dB       | 0,55 dB       | 67,5 MHz                      | 78,5 to 4000 MHz                 |
| WLKS 55-5SS  | 55 MHz                | 0,75 dB             | 0,65 dB       | 0,55 dB       | 74,3 MHz                      | 86,4 to 4000 MHz                 |
| WLKS 60-5SS  | 60 MHz                | 0,75 dB             | 0,65 dB       | 0,55 dB       | 81,0 MHz                      | 94,2 to 4000 MHz                 |
| WLKS 65-5SS  | 65 MHz                | 0,75 dB             | 0,65 dB       | 0,55 dB       | 87,8 MHz                      | 102,0 to 4000 MHz                |
| WLKS 70-5SS  | 70 MHz                | 0,75 dB             | 0,65 dB       | 0,55 dB       | 94,5 MHz                      | 110,0 to 4000 MHz                |
| WLKS 75-5SS  | 75 MHz                | 0,70 dB             | 0,60 dB       | 0,50 dB       | 101,0 MHz                     | 118,0 to 4000 MHz                |
| WLKS 80-5SS  | 80 MHz                | 0,70 dB             | 0,60 dB       | 0,50 dB       | 108,0 MHz                     | 126,0 to 4000 MHz                |
| WLKS 90-5SS  | 90 MHz                | 0,70 dB             | 0,60 dB       | 0,50 dB       | 122,0 MHz                     | 141,0 to 4000 MHz                |
| WLKS 100-5SS | 100 MHz               | 0,70 dB             | 0,60 dB       | 0,50 dB       | 135,0 MHz                     | 157,0 to 4000 MHz                |
| WLKS 110-5SS | 110 MHz               | 0,70 dB             | 0,60 dB       | 0,50 dB       | 149,0 MHz                     | 173,0 to 4000 MHz                |
| WLKS 120-5SS | 120 MHz               | 0,70 dB             | 0,60 dB       | 0,50 dB       | 162,0 MHz                     | 188,0 to 4000 MHz                |
| WLKS 130-5SS | 130 MHz               | 0,70 dB             | 0,60 dB       | 0,50 dB       | 176,0 MHz                     | 204,0 to 4000 MHz                |
| WLKS 140-5SS | 140 MHz               | 0,70 dB             | 0,60 dB       | 0,50 dB       | 189,0 MHz                     | 220,0 to 4000 MHz                |
| WLKS 150-5SS | 150 MHz               | 0,70 dB             | 0,60 dB       | 0,50 dB       | 203,0 MHz                     | 236,0 to 4000 MHz                |
| WLKS 160-5SS | 160 MHz               | 0,70 dB             | 0,60 dB       | 0,50 dB       | 216,0 MHz                     | 251,0 to 4000 MHz                |
| WLKS 170-5SS | 170 MHz               | 0,70 dB             | 0,60 dB       | 0,50 dB       | 230,0 MHz                     | 267,0 to 4000 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 = WLKS 125-5SS.** The insertion loss of the lower frequency filter applies.

Example: insertion loss of filter WLKS 125-5SS see filter WLKS 120-5SS.

| PRICES (each)          | EURO <sup>1)</sup> | US-\$                      |
|------------------------|--------------------|----------------------------|
| 1 to 4 filters         | 237                | <i>Will be<br/>quoted.</i> |
| 5 to 9 filters         | 213                |                            |
| 10 to 24 filters       | 192                |                            |
| Test Data Sheets:      | 10                 |                            |
| Netw. Analyzer Curves: | 15                 |                            |
| Cert. of Conformance:  | supplied           |                            |

**STOCK\* FILTERS** carry an „S“ in the model number (i.e. WLKS 120-5SS). 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> **Delivery Terms:** FCA Andechs-Frieding (free carrier) according to **Incoterms 2000**  
 In Deutschland liefern wir frachtfrei gemäß CPT **Incoterms 2000** (unversichert).

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

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