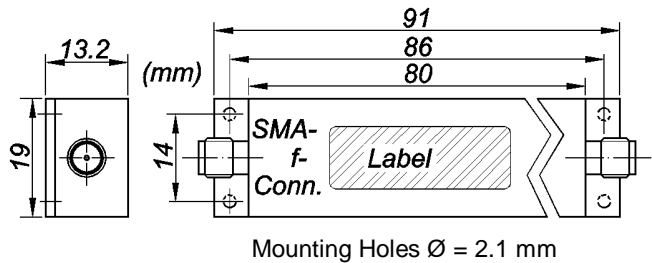
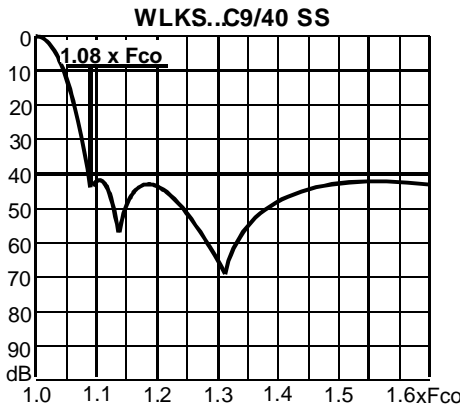




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|  |   |   |
|--|---|---|
| <b>Fco</b><br>between<br><b>25 and 549 MHz</b> | <b>Lowpass Stock* Filters</b><br><b>Cauer (Elliptic) Design</b><br><b>C9/40SS</b> | <b>WLKS Series:</b><br><b>13.2 mm high</b><br>(SMA-female connectors) |
|--|---|---|



**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  | Max. Insertion Loss |               |              | Reject Attenuation                   |
|-------------------|-----------|---------------------|---------------|--------------|--------------------------------------|
|                   | DC to Fco | at Fco              | at 0.97 x Fco | at 0.9 x Fco | 40 dB min.<br>1.08 x Fco to .....MHz |
| WLKS 25.0 C9/40SS | 25 MHz    | 1,80 dB             | 1,20 dB       | 0,70 dB      | 27,0 MHz to 8000 MHz                 |
| WLKS 30.0 C9/40SS | 30 MHz    | 1,80 dB             | 1,20 dB       | 0,70 dB      | 32,4 MHz to 8000 MHz                 |
| WLKS 35.0 C9/40SS | 35 MHz    | 1,80 dB             | 1,20 dB       | 0,70 dB      | 37,8 MHz to 8000 MHz                 |
| WLKS 40.0 C9/40SS | 40 MHz    | 1,80 dB             | 1,20 dB       | 0,70 dB      | 43,2 MHz to 8000 MHz                 |
| WLKS 45.0 C9/40SS | 45 MHz    | 1,80 dB             | 1,20 dB       | 0,70 dB      | 48,6 MHz to 8000 MHz                 |
| WLKS 50.0 C9/40SS | 50 MHz    | 1,80 dB             | 1,20 dB       | 0,70 dB      | 54,0 MHz to 8000 MHz                 |
| WLKS 60.0 C9/40SS | 60 MHz    | 1,70 dB             | 1,10 dB       | 0,70 dB      | 64,8 MHz to 8000 MHz                 |
| WLKS 70.0 C9/40SS | 70 MHz    | 1,70 dB             | 1,10 dB       | 0,70 dB      | 75,6 MHz to 8000 MHz                 |
| WLKS 80.0 C9/40SS | 80 MHz    | 1,50 dB             | 1,00 dB       | 0,70 dB      | 86,4 MHz to 8000 MHz                 |
| WLKS 90.0 C9/40SS | 90 MHz    | 1,50 dB             | 1,00 dB       | 0,70 dB      | 97,2 MHz to 8000 MHz                 |
| WLKS 100 C9/40SS  | 100 MHz   | 1,50 dB             | 1,00 dB       | 0,70 dB      | 108 MHz to 8000 MHz                  |
| WLKS 115 C9/40SS  | 115 MHz   | 1,40 dB             | 0,90 dB       | 0,70 dB      | 124 MHz to 8000 MHz                  |
| WLKS 130 C9/40SS  | 130 MHz   | 1,40 dB             | 0,90 dB       | 0,70 dB      | 140 MHz to 8000 MHz                  |
| WLKS 150 C9/40SS  | 150 MHz   | 1,40 dB             | 0,90 dB       | 0,70 dB      | 162 MHz to 8000 MHz                  |
| WLKS 175 C9/40SS  | 175 MHz   | 1,40 dB             | 0,90 dB       | 0,70 dB      | 189 MHz to 8000 MHz                  |
| WLKS 200 C9/40SS  | 200 MHz   | 1,40 dB             | 0,90 dB       | 0,70 dB      | 216 MHz to 8000 MHz                  |
| WLKS 225 C9/40SS  | 225 MHz   | 1,40 dB             | 0,90 dB       | 0,70 dB      | 243 MHz to 8000 MHz                  |
| WLKS 250 C9/40SS  | 250 MHz   | 1,40 dB             | 0,90 dB       | 0,70 dB      | 270 MHz to 8000 MHz                  |
| WLKS 275 C9/40SS  | 275 MHz   | 1,40 dB             | 0,90 dB       | 0,70 dB      | 297 MHz to 8000 MHz                  |
| WLKS 300 C9/40SS  | 300 MHz   | 1,40 dB             | 0,90 dB       | 0,70 dB      | 324 MHz to 8000 MHz                  |
| WLKS 350 C9/40SS  | 350 MHz   | 1,40 dB             | 0,90 dB       | 0,70 dB      | 378 MHz to 8000 MHz                  |
| WLKS 400 C9/40SS  | 400 MHz   | 1,40 dB             | 0,90 dB       | 0,70 dB      | 432 MHz to 8000 MHz                  |
| WLKS 450 C9/40SS  | 450 MHz   | 1,40 dB             | 0,90 dB       | 0,70 dB      | 486 MHz to 8000 MHz                  |
| WLKS 500 C9/40SS  | 500 MHz   | 1,40 dB             | 0,90 dB       | 0,70 dB      | 540 MHz to 8000 MHz                  |

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

Choose any Fco between 25 MHz and 549 MHz and assign a **Model Number** by inserting the desired Fco.  
**Example:** The Model Number of a 9 degree/40dB Cauer Lowpass Filter with a cut-off frequency of 120 MHz is **WLKS 120C9/40SS**. The insertion loss and dimensions of the listed **lower frequency** see **WLKS 115C9/40SS**.

| PRICES (each)          | EURO <sup>1)</sup> | US-\$ <sup>2)</sup> |
|------------------------|--------------------|---------------------|
| 1 to 4 filters         | 291                | 500                 |
| 5 to 9 filters         | 261                | 360                 |
| 10 to 24 filters       | 235                | 315                 |
| Test Data Sheets:      | 10                 | 12                  |
| Netw. Analyzer Curves: | 15                 | 18                  |
| Cert. of Conformance:  | supplied           |                     |

<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.

**\*) STOCK\* FILTERS** carry an "S" in the model number (i.e. WLKS 120C9/40SS). 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 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 the factory at time of order.