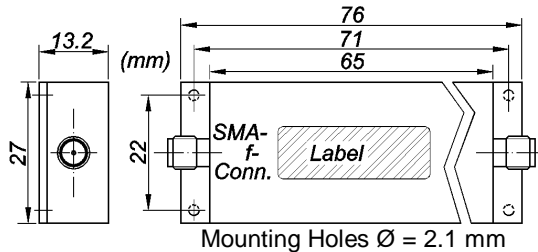
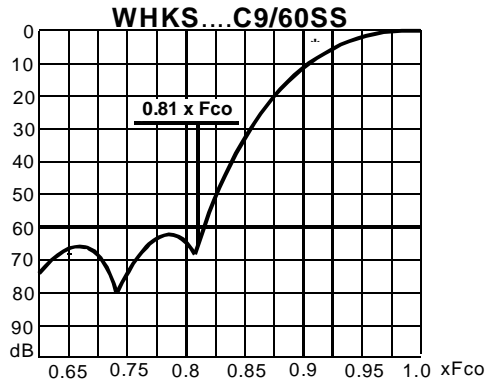




**Wainwright  
Instruments GmbH**

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</b> between <b>0.075 and 19 MHz</b>	<b>Highpass Stock* Filters</b> Cauer (Elliptic) Design <b>C9/60SS</b>	<b>WHKS Series:</b> 13.2 mm high (SMA-female connectors)
--	---	--



**Return Loss (50 Ω) in Passband** - at the worst point  
**Filters up to 224 MHz** Fco: 14 dB min. = VSWR 1.5 : 1 max.  
**Filters 225 to 1000 MHz** Fco: 12 dB min. = VSWR 1.67 : 1 max.

Model Number	Passband		Max. Insertion Loss			Reject Attenuation 60 dB min. from DC to 0.81 x Fco =
	Fco to (MHz)		at Fco	at 1.03 x Fco	at 1.1 x Fco	
WHKS 0.075 C9/60SS	0.075 to	50	1.40 dB	1.00 dB	0.70 dB	DC to 0.06075 MHz
WHKS 0.10 C9/60SS	0.10 to	50	1.40 dB	1.00 dB	0.70 dB	DC to 0.0810 MHz
WHKS 0.15 C9/60SS	0.15 to	50	0.90 dB	0.70 dB	0.60 dB	DC to 0.1215 MHz
WHKS 0.20 C9/60SS	0.20 to	50	0.90 dB	0.70 dB	0.60 dB	DC to 0.1620 MHz
WHKS 0.30 C9/60SS	0.30 to	50	0.90 dB	0.70 dB	0.60 dB	DC to 0.2430 MHz
WHKS 0.40 C9/60SS	0.40 to	50	0.90 dB	0.70 dB	0.60 dB	DC to 0.3240 MHz
WHKS 0.50 C9/60SS	0.50 to	100	0.90 dB	0.70 dB	0.60 dB	DC to 0.4050 MHz
WHKS 0.65 C9/60SS	0.65 to	100	0.90 dB	0.70 dB	0.60 dB	DC to 0.5265 MHz
WHKS 0.80 C9/60SS	0.80 to	100	0.90 dB	0.70 dB	0.60 dB	DC to 0.648 MHz
WHKS 1.00 C9/60SS	1.00 to	100	1.00 dB	0.80 dB	0.60 dB	DC to 0.810 MHz
WHKS 1.50 C9/60SS	1.50 to	100	1.00 dB	0.80 dB	0.60 dB	DC to 1.21 MHz
WHKS 2.00 C9/60SS	2.00 to	100	1.00 dB	0.80 dB	0.60 dB	DC to 1.62 MHz
WHKS 3.00 C9/60SS	3.00 to	200	1.00 dB	0.80 dB	0.60 dB	DC to 2.43 MHz
WHKS 4.00 C9/60SS	4.00 to	200	1.00 dB	0.80 dB	0.60 dB	DC to 3.24 MHz
WHKS 5.00 C9/60SS	5.00 to	200	1.00 dB	0.80 dB	0.60 dB	DC to 4.05 MHz
WHKS 7.50 C9/60SS	7.50 to	200	1.90 dB	1.50 dB	1.00 dB	DC to 6.07 MHz
WHKS 10.0 C9/60SS	10.00 to	200	1.90 dB	1.50 dB	1.00 dB	DC to 8.10 MHz
WHKS 15.0 C9/60SS	15.00 to	500	1.90 dB	1.50 dB	1.00 dB	DC to 12.1 MHz

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

Choose any Fco between 75 kHz and 19 MHz and assign a **Model Number** by inserting the desired Fco.  
**Example:** The Model Number of a 9 degree/60dB Cauer Highpass Filter with a cut-off frequency of 12 MHz is **WHKS 12C9/60SS**. The insertion loss and dimensions of the listed **lower** frequency see **WHKS 10C9/60SS**.

PRICES (each)	EURO <sup>1)</sup>	US-\$ <sup>2)</sup>
1 to 4 filters	420	650
5 to 9 filters	378	505
10 to 24 filters	340	445
Test Data Sheets:	10	12
Netw. Analyzer Curves:	15	18
Cert. of Conformance:	supplied	

- 1) **EURO-Prices** are based on shipment ex factory, except for delivery within Germany, where shipping is included.
- 2) **US-\$-Prices** include packaging, shipping by UPS, import charges, and customs duty. Dollar prices for shipments to the USA 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. WHKS 10C9/60SS). 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 factory at time of order.