



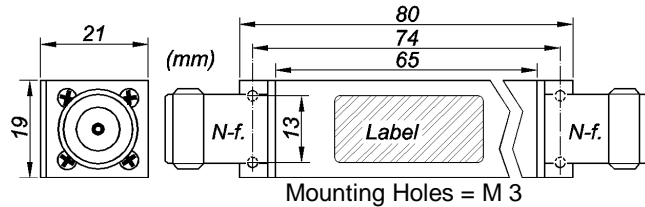
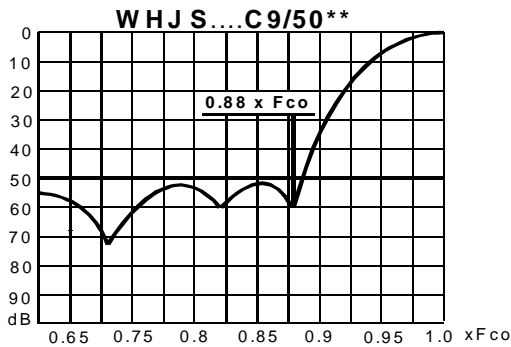
**Wainwright Instruments  
GmbH**

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)

**Fco**  
 between  
**20 and 499 MHz**

**Highpass Stock\* Filters**  
**Cauer (Elliptic) Design**  
**C9/50\*\***

**WHJS Series:**  
 21 mm high



**Connector Codes:\*\***  
 E (N-female) F (N-male) S (SMA-female) T (SMA-male)

**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 MHz	Max. Insertion Loss			Reject Attenuation 50 dB min. from DC to 0.88 x Fco =
		at Fco	at 1.03 x Fco	at 1.1 x Fco	
WHJS 20.0 C9/50**	20,0 to 400	2,30 dB	1,60 dB	1,00 dB	DC to 17,6 MHz
WHJS 25.0 C9/50**	25,0 to 400	2,00 dB	1,40 dB	0,90 dB	DC to 22,0 MHz
WHJS 30.0 C9/50**	30,0 to 400	2,00 dB	1,40 dB	0,90 dB	DC to 26,4 MHz
WHJS 35.0 C9/50**	35,0 to 800	2,00 dB	1,40 dB	0,90 dB	DC to 30,8 MHz
WHJS 40.0 C9/50**	40,0 to 800	2,00 dB	1,40 dB	0,90 dB	DC to 35,2 MHz
WHJS 45.0 C9/50**	45,0 to 800	2,00 dB	1,40 dB	0,90 dB	DC to 39,6 MHz
WHJS 50.0 C9/50**	50,0 to 1000	1,60 dB	1,10 dB	0,80 dB	DC to 44,0 MHz
WHJS 60.0 C9/50**	60,0 to 1000	1,60 dB	1,10 dB	0,80 dB	DC to 52,8 MHz
WHJS 70.0 C9/50**	70,0 to 1000	1,60 dB	1,10 dB	0,80 dB	DC to 61,6 MHz
WHJS 80.0 C9/50**	80,0 to 1000	1,60 dB	1,10 dB	0,80 dB	DC to 70,4 MHz
WHJS 90.0 C9/50**	90,0 to 1000	1,60 dB	1,10 dB	0,80 dB	DC to 79,2 MHz
WHJS 100 C9/50**	100,0 to 1500	1,30 dB	0,90 dB	0,70 dB	DC to 88,0 MHz
WHJS 115 C9/50**	115,0 to 1500	1,30 dB	0,90 dB	0,70 dB	DC to 101,0 MHz
WHJS 130 C9/50**	130,0 to 1500	1,30 dB	0,90 dB	0,70 dB	DC to 114,0 MHz
WHJS 150 C9/50**	150,0 to 1500	1,30 dB	0,90 dB	0,70 dB	DC to 132,0 MHz
WHJS 175 C9/50**	175,0 to 1500	1,30 dB	0,90 dB	0,70 dB	DC to 154,0 MHz
WHJS 200 C9/50**	200,0 to 2000	1,30 dB	0,90 dB	0,70 dB	DC to 176,0 MHz
WHJS 225 C9/50**	225,0 to 2000	1,30 dB	0,90 dB	0,70 dB	DC to 198,0 MHz
WHJS 250 C9/50**	250,0 to 2000	1,30 dB	0,90 dB	0,70 dB	DC to 220,0 MHz
WHJS 275 C9/50**	275,0 to 2000	1,30 dB	0,90 dB	0,70 dB	DC to 242,0 MHz
WHJS 300 C9/50**	300,0 to 2000	1,30 dB	0,90 dB	0,70 dB	DC to 264,0 MHz
WHJS 350 C9/50**	350,0 to 2000	1,30 dB	0,90 dB	0,70 dB	DC to 308,0 MHz
WHJS 400 C9/50**	400,0 to 3000	1,30 dB	0,90 dB	0,70 dB	DC to 352,0 MHz
WHJS 450 C9/50**	450,0 to 3000	1,30 dB	0,90 dB	0,70 dB	DC to 396,0 MHz

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

Choose any Fco between 20 MHz and 499 MHz and assign a **Model Number** by inserting the desired Fco.

**Example:** The Model Number of a 9 degree/50dB Cauer Highpass Filter with a cut-off frequency of 55 MHz is **WHJS 55C9/50SS**. The insertion loss and dimensions of the listed **lower** frequency see **WHJS 50C9/50SS**.

PRICES (each)	EURO <sup>1)</sup>	US-\$ <sup>2)</sup>
1 to 4 filters	468	686
5 to 9 filters	420	560
10 to 24 filters	378	493
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.

**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.