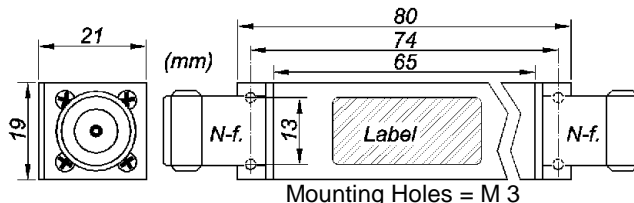
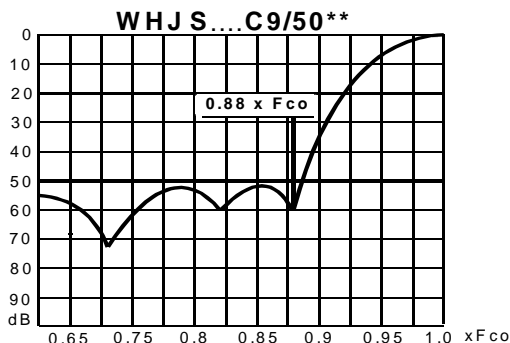




**Wainwright Instruments
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Fco between 20 and 499 MHz	Highpass Standard* Filters Cauer (Elliptic) Design C9/50**	WHJS Series: 21 mm high
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Connector Codes:**
 E (N-female) F (N-male) S (SMA-female) T (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 to 400	2.30 dB	1.60 dB	1.00 dB	DC to 17.6 MHz
WHJS 25.0 C9/50**	25 to 400	2.00 dB	1.40 dB	0.90 dB	DC to 22 MHz
WHJS 30.0 C9/50**	30 to 400	2.00 dB	1.40 dB	0.90 dB	DC to 26.4 MHz
WHJS 35.0 C9/50**	35 to 800	2.00 dB	1.40 dB	0.90 dB	DC to 30.8 MHz
WHJS 40.0 C9/50**	40 to 800	2.00 dB	1.40 dB	0.90 dB	DC to 35.2 MHz
WHJS 45.0 C9/50**	45 to 800	2.00 dB	1.40 dB	0.90 dB	DC to 39.6 MHz
WHJS 50.0 C9/50**	50 to 1000	1.60 dB	1.10 dB	0.80 dB	DC to 44 MHz
WHJS 60.0 C9/50**	60 to 1000	1.60 dB	1.10 dB	0.80 dB	DC to 52.8 MHz
WHJS 70.0 C9/50**	70 to 1000	1.60 dB	1.10 dB	0.80 dB	DC to 61.6 MHz
WHJS 80.0 C9/50**	80 to 1000	1.60 dB	1.10 dB	0.80 dB	DC to 70.4 MHz
WHJS 90.0 C9/50**	90 to 1000	1.60 dB	1.10 dB	0.80 dB	DC to 79.2 MHz
WHJS 100 C9/50**	100 to 1500	1.30 dB	0.90 dB	0.70 dB	DC to 88 MHz
WHJS 115 C9/50**	115 to 1500	1.30 dB	0.90 dB	0.70 dB	DC to 101 MHz
WHJS 130 C9/50**	130 to 1500	1.30 dB	0.90 dB	0.70 dB	DC to 114 MHz
WHJS 150 C9/50**	150 to 1500	1.30 dB	0.90 dB	0.70 dB	DC to 132 MHz
WHJS 175 C9/50**	175 to 1500	1.30 dB	0.90 dB	0.70 dB	DC to 154 MHz
WHJS 200 C9/50**	200 to 2000	1.30 dB	0.90 dB	0.70 dB	DC to 176 MHz
WHJS 225 C9/50**	225 to 2000	1.30 dB	0.90 dB	0.70 dB	DC to 198 MHz
WHJS 250 C9/50**	250 to 2000	1.30 dB	0.90 dB	0.70 dB	DC to 220 MHz
WHJS 275 C9/50**	275 to 2000	1.30 dB	0.90 dB	0.70 dB	DC to 242 MHz
WHJS 300 C9/50**	300 to 2000	1.30 dB	0.90 dB	0.70 dB	DC to 264 MHz
WHJS 350 C9/50**	350 to 2000	1.30 dB	0.90 dB	0.70 dB	DC to 308 MHz
WHJS 400 C9/50**	400 to 3000	1.30 dB	0.90 dB	0.70 dB	DC to 352 MHz
WHJS 450 C9/50**	450 to 3000	1.30 dB	0.90 dB	0.70 dB	DC to 396 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**. For insertion loss and dimensions of the listed **lower frequency** see **WHJS 50C9/50SS**.

PRICES (each)	EURO	US-\$
1 to 4 filters	468	Will be quoted
5 to 9 filters	420	
10 to 24 filters	378	
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. WHJS 10C9/50SS). 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