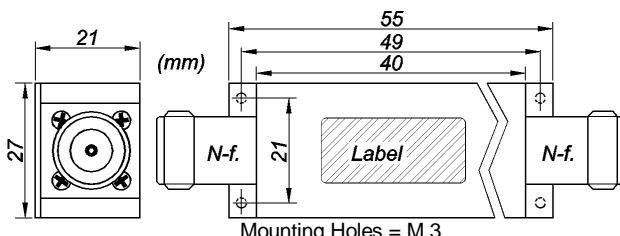
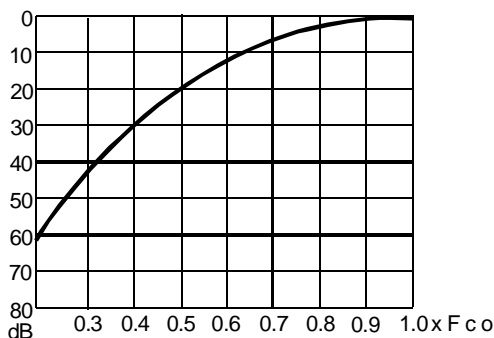




**Wainwright  
Instruments GmbH**

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 between 35 and 149 MHz</b>	<h2 style="margin: 0;">Highpass Stock* Filters</h2> <p style="margin: 0;"><b>Chebyshev Design</b></p> <p style="margin: 0;"><b>2 Sections</b></p>	<b>WHJS Series:</b> 21 mm high
---	---	-----------------------------------



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

**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 MHz	Max. Insertion Loss			Reject Attenuation	
		at Fco	at 1.03 x Fco	at 1.1 x Fco	40 dB min. at 0.33 x Fco =	60 dB min. from DC to 0.21 x Fco =
WHJS 35-2**	35 to 650	0.32 dB	0.27 dB	0.26 dB	11.6 MHz	DC to 7.4 MHz
WHJS 40-2**	40 to 650	0.32 dB	0.27 dB	0.26 dB	13.2 MHz	DC to 8.4 MHz
WHJS 45-2**	45 to 650	0.32 dB	0.27 dB	0.26 dB	14.9 MHz	DC to 9.5 MHz
WHJS 50-2**	50 to 800	0.24 dB	0.23 dB	0.22 dB	16.5 MHz	DC to 10.5 MHz
WHJS 55-2**	55 to 800	0.24 dB	0.23 dB	0.22 dB	18.2 MHz	DC to 11.6 MHz
WHJS 60-2**	60 to 800	0.24 dB	0.23 dB	0.22 dB	19.8 MHz	DC to 12.6 MHz
WHJS 65-2**	65 to 800	0.24 dB	0.23 dB	0.22 dB	21.5 MHz	DC to 13.7 MHz
WHJS 70-2**	70 to 1000	0.24 dB	0.23 dB	0.22 dB	23.1 MHz	DC to 14.7 MHz
WHJS 75-2**	75 to 1000	0.24 dB	0.23 dB	0.22 dB	24.8 MHz	DC to 15.8 MHz
WHJS 80-2**	80 to 1250	0.24 dB	0.23 dB	0.22 dB	26.4 MHz	DC to 16.8 MHz
WHJS 90-2**	90 to 1250	0.24 dB	0.23 dB	0.22 dB	29.7 MHz	DC to 18.9 MHz
WHJS 100-2**	100 to 1500	0.22 dB	0.21 dB	0.20 dB	33.0 MHz	DC to 21.0 MHz
WHJS 110-2**	110 to 1500	0.22 dB	0.21 dB	0.20 dB	36.3 MHz	DC to 23.1 MHz
WHJS 120-2**	120 to 1500	0.22 dB	0.21 dB	0.20 dB	39.6 MHz	DC to 25.2 MHz
WHJS 130-2**	130 to 1500	0.22 dB	0.21 dB	0.20 dB	42.9 MHz	DC to 27.3 MHz
WHJS 140-2**	140 to 1500	0.22 dB	0.21 dB	0.20 dB	46.2 MHz	DC to 29.4 MHz

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

Choose any Fco between 35 and 149 MHz and assign a **Model Number** by inserting the desired Fco.

**Example = WHJS 135-2\*\*.** The insertion loss of the lower frequency filter applies.

Example: insertion loss of filter WHJS 135-2\*\* see filter WHJS 130-2\*\*.

PRICES (each)	EURO <sup>1)</sup>	US-\$ <sup>2)</sup>
1 to 4 filters	230	430
5 to 9 filters	207	297
10 to 24 filters	187	255
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 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. WHJS 150-2\*\*). 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.

**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.