



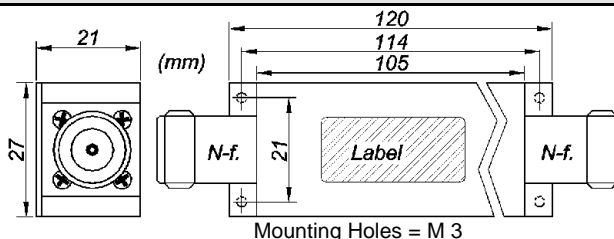
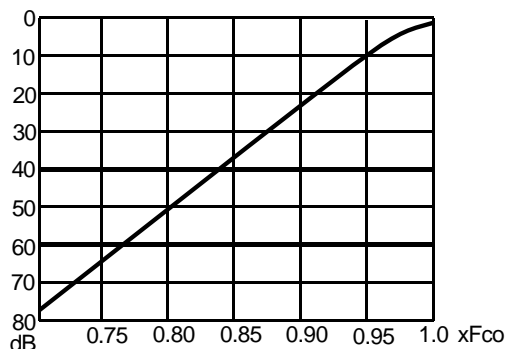
**Wainwright
Instruments GmbH**

Widdersberger Str.14
82346 Andechs, Germany
 Tel.: +49-8152-918230 Fax: +49-8152-918255
 E-Mail: info@wainwright-filters.com
 Internet: www.wainwright-filters.com

Highpass Standard* Filters
Chebyshev Design
7 Sections

WHJS Series:
21 mm high

**Fco
between
35 and 149 MHz**



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 0.835 x Fco	60 dB min. from DC to 0.765 x Fco
WHJS 35-7**	35 to 650	1.70 dB	1.33 dB	1.02 dB	29.2 MHz	DC to 26.8 MHz
WHJS 40-7**	40 to 650	1.57 dB	1.23 dB	0.95 dB	33.4 MHz	DC to 30.6 MHz
WHJS 45-7**	45 to 650	1.44 dB	1.12 dB	0.87 dB	37.6 MHz	DC to 34.4 MHz
WHJS 50-7**	50 to 800	1.30 dB	1.02 dB	0.79 dB	41.8 MHz	DC to 38.3 MHz
WHJS 55-7**	55 to 800	1.30 dB	1.02 dB	0.79 dB	45.8 MHz	DC to 42.1 MHz
WHJS 60-7**	60 to 800	1.30 dB	1.02 dB	0.79 dB	50.1 MHz	DC to 45.9 MHz
WHJS 65-7**	65 to 800	1.30 dB	1.02 dB	0.79 dB	54.3 MHz	DC to 49.7 MHz
WHJS 70-7**	70 to 1000	1.30 dB	1.02 dB	0.79 dB	58.5 MHz	DC to 53.6 MHz
WHJS 75-7**	75 to 1000	1.15 dB	0.94 dB	0.77 dB	62.6 MHz	DC to 57.4 MHz
WHJS 80-7**	80 to 1250	1.15 dB	0.94 dB	0.77 dB	66.8 MHz	DC to 61.2 MHz
WHJS 90-7**	90 to 1250	1.15 dB	0.94 dB	0.77 dB	75.2 MHz	DC to 68.9 MHz
WHJS 100-7**	100 to 1500	1.01 dB	0.88 dB	0.74 dB	83.5 MHz	DC to 76.5 MHz
WHJS 110-7**	110 to 1500	1.01 dB	0.88 dB	0.74 dB	91.9 MHz	DC to 84.2 MHz
WHJS 120-7**	120 to 1500	1.01 dB	0.88 dB	0.74 dB	100 MHz	DC to 91.8 MHz
WHJS 130-7**	130 to 1500	1.01 dB	0.88 dB	0.74 dB	109 MHz	DC to 99.5 MHz
WHJS 140-7**	140 to 1500	1.01 dB	0.88 dB	0.74 dB	117 MHz	DC to 107 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 145-7.** The insertion loss of the lower frequency filter applies.

Example: insertion loss of filter WHJS 145-7** see filter WHJS 140-7**.

PRICES (each)	EURO	US-\$
1 to 4 filters	402	Will be quoted
5 to 9 filters	362	
10 to 24 filters	327	
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 150-7**). 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.