



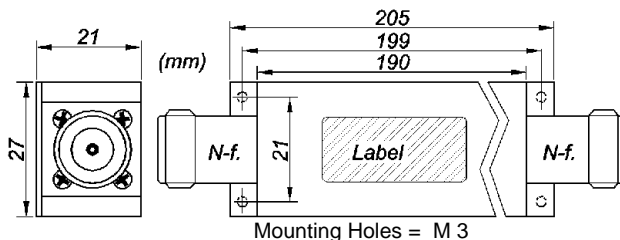
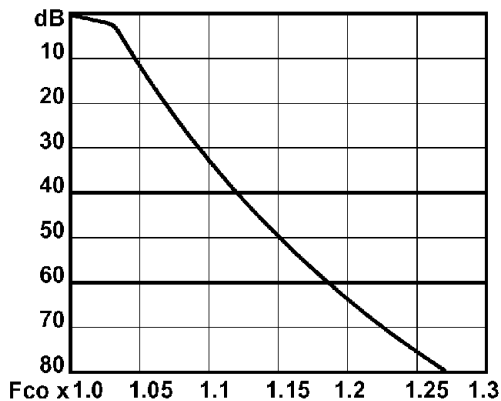
**Wainwright
Instruments GmbH**

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

Lowpass Standard* Filters
Chebyshev Design
9 Sections

WLJS Series:
21 mm high

Fco
between
35 and 184 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	Max. Insertion Loss			Reject Attenuation		
		DC to Fco	at Fco	at 0.97 x Fco	at 0.90 x Fco	40 dB min. at 1.125 x Fco =	60 dB min. from 1.19 x Fco
WLJS 35-9**	35 MHz		1.71 dB	1.50 dB	1.16 dB	39.4 MHz	41.7 MHz to 3000
WLJS 40-9**	40 MHz		1.64 dB	1.44 dB	1.11 dB	45.0 MHz	47.6 MHz to 3000
WLJS 45-9**	45 MHz		1.57 dB	1.38 dB	1.06 dB	50.6 MHz	53.6 MHz to 3000
WLJS 50-9**	50 MHz		1.48 dB	1.31 dB	0.99 dB	56.3 MHz	59.5 MHz to 3000
WLJS 55-9**	55 MHz		1.48 dB	1.31 dB	0.99 dB	61.9 MHz	65.5 MHz to 3000
WLJS 60-9**	60 MHz		1.48 dB	1.31 dB	0.99 dB	67.5 MHz	71.4 MHz to 3000
WLJS 65-9**	65 MHz		1.36 dB	1.22 dB	0.90 dB	73.1 MHz	77.4 MHz to 3000
WLJS 70-9**	70 MHz		1.36 dB	1.22 dB	0.90 dB	78.8 MHz	83.3 MHz to 3000
WLJS 75-9**	75 MHz		1.25 dB	1.12 dB	0.81 dB	84.4 MHz	89.3 MHz to 3000
WLJS 80-9**	80 MHz		1.25 dB	1.12 dB	0.81 dB	90.0 MHz	95.2 MHz to 3000
WLJS 90-9**	90 MHz		1.25 dB	1.12 dB	0.81 dB	101 MHz	107 MHz to 3000
WLJS 100-9**	100 MHz		1.25 dB	1.12 dB	0.81 dB	113 MHz	119 MHz to 3000
WLJS 110-9**	110 MHz		1.25 dB	1.12 dB	0.81 dB	124 MHz	131 MHz to 3000
WLJS 120-9**	120 MHz		1.25 dB	1.12 dB	0.81 dB	135 MHz	143 MHz to 3000
WLJS 130-9**	130 MHz		1.25 dB	1.12 dB	0.81 dB	146 MHz	155 MHz to 3000
WLJS 140-9**	140 MHz		1.25 dB	1.12 dB	0.81 dB	158 MHz	167 MHz to 3000
WLJS 150-9**	150 MHz		1.25 dB	1.12 dB	0.81 dB	169 MHz	179 MHz to 3000
WLJS 160-9**	160 MHz		1.25 dB	1.12 dB	0.81 dB	180 MHz	190 MHz to 3000
WLJS 170-9**	170 MHz		1.25 dB	1.12 dB	0.81 dB	191 MHz	202 MHz to 3000

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

Choose any Fco between 35 and 184 MHz and assign a **Model Number** by inserting the desired Fco.

Example = WLJS 175-9.** The insertion loss of the lower frequency filter applies.

Example: insertion loss of filter WLJS 175-9** see filter WLJS 170-9**.

PRICES (each)	EURO	US-\$
1 to 4 filters	385	Will be quoted
5 to 9 filters	347	
10 to 24 filters	312	
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. WLJS 150-9**). 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.