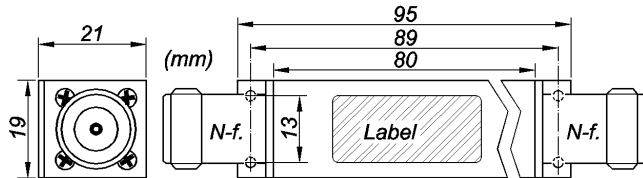
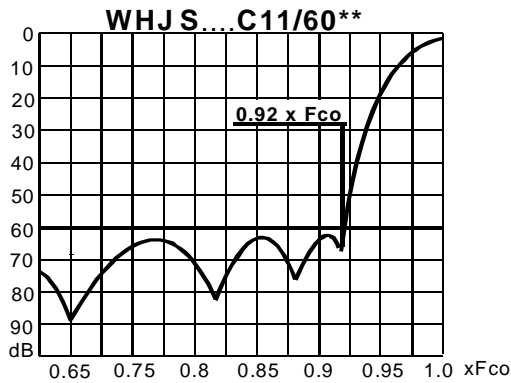




**Wainwright Instruments
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Fco between 20 and 499 MHz	Highpass Stock* Filters Cauer (Elliptic) Design C11/60**	WHJS Series: 21 mm high
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Mounting Holes = M 3

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 Fco to (MHz)	Max. Insertion Loss			Reject Attenuation 60 dB min. from DC to 0.92 x Fco =
		at Fco	at 1.03 x Fco	at 1.1 x Fco	
WHJS 20.0 C11/60**	20.0 to 500	4.50 dB	2.80 dB	1.70 dB	DC to 18.4 MHz
WHJS 25.0 C11/60**	25.0 to 500	2.50 dB	1.50 dB	1.10 dB	DC to 23.0 MHz
WHJS 30.0 C11/60**	30.0 to 500	2.50 dB	1.50 dB	1.10 dB	DC to 27.6 MHz
WHJS 35.0 C11/60**	35.0 to 500	2.50 dB	1.50 dB	1.10 dB	DC to 32.2 MHz
WHJS 40.0 C11/60**	40.0 to 500	2.50 dB	1.50 dB	0.90 dB	DC to 36.8 MHz
WHJS 45.0 C11/60**	45.0 to 500	2.50 dB	1.50 dB	0.90 dB	DC to 41.4 MHz
WHJS 50.0 C11/60**	50.0 to 1000	2.50 dB	1.50 dB	0.90 dB	DC to 46.0 MHz
WHJS 60.0 C11/60**	60.0 to 1000	2.50 dB	1.50 dB	0.90 dB	DC to 55.2 MHz
WHJS 70.0 C11/60**	70.0 to 1000	2.50 dB	1.50 dB	0.90 dB	DC to 64.4 MHz
WHJS 80.0 C11/60**	80.0 to 1000	2.50 dB	1.50 dB	0.90 dB	DC to 73.6 MHz
WHJS 90.0 C11/60**	90.0 to 1000	2.50 dB	1.50 dB	0.90 dB	DC to 82.8 MHz
WHJS 100 C11/60**	100.0 to 1000	2.30 dB	1.30 dB	0.80 dB	DC to 92.0 MHz
WHJS 115 C11/60**	115.0 to 1500	2.30 dB	1.30 dB	0.80 dB	DC to 106.0 MHz
WHJS 130 C11/60**	130.0 to 1500	2.30 dB	1.30 dB	0.80 dB	DC to 120.0 MHz
WHJS 150 C11/60**	150.0 to 2000	1.80 dB	1.10 dB	0.80 dB	DC to 138.0 MHz
WHJS 175 C11/60**	175.0 to 2000	1.80 dB	1.10 dB	0.80 dB	DC to 161.0 MHz
WHJS 200 C11/60**	200.0 to 2000	1.80 dB	1.10 dB	0.80 dB	DC to 184.0 MHz
WHJS 225 C11/60**	225.0 to 2000	1.80 dB	1.10 dB	0.80 dB	DC to 207.0 MHz
WHJS 250 C11/60**	250.0 to 2000	1.80 dB	1.10 dB	0.80 dB	DC to 230.0 MHz
WHJS 275 C11/60**	275.0 to 2000	1.80 dB	1.10 dB	0.80 dB	DC to 253.0 MHz
WHJS 300 C11/60**	300.0 to 2000	1.80 dB	1.10 dB	0.80 dB	DC to 276.0 MHz
WHJS 350 C11/60**	350.0 to 2000	1.80 dB	1.10 dB	0.80 dB	DC to 322.0 MHz
WHJS 400 C11/60**	400.0 to 3000	1.80 dB	1.10 dB	0.80 dB	DC to 368.0 MHz
WHJS 450 C11/60**	450.0 to 3000	1.80 dB	1.10 dB	0.80 dB	DC to 414.0 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 11 degree/60dB Cauer Highpass Filter with a cut-off frequency of 55 MHz is **WHJS 55C11/60SS**. The insertion loss and dimensions of the listed **lower frequency** see **WHJS 50C11/60SS**.

PRICES (each)	EURO ¹⁾	US-\$ ²⁾
1 to 4 filters	673	916
5 to 9 filters	606	795
10 to 24 filters	546	705
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.

For more details see terms & ordering information.

Delivery time if not in stock: normally 3 to 4 weeks – depending on work load in the factory at time of order.

*) **STOCK* FILTERS** carry an "S" in the model number (i.e. WHJS 10C11/60SS). 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