



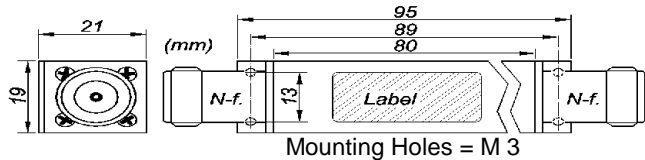
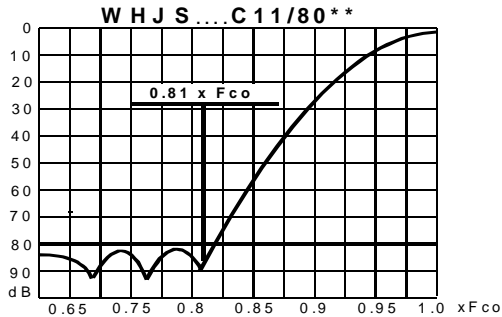
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Fco
between
20 and 499 MHz

Highpass Standard* Filters
Cauer (Elliptic) Design
C11/80**

WHJS Series:
21 mm high



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.

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

| Model Number | Passband Fco to (MHz) | Max. Insertion Loss | | | Reject Attenuation 80 dB min. from DC to 0.81 x Fco = |
|--------------------|--------------------------|---------------------|------------------|-----------------|---|
| | | at Fco | at 1.03 x Fco | at 1.1 x Fco | |
| WHJS 20.0 C11/80** | 20 to 500 | 2.50 dB | 1.90 dB | 1.40 dB | DC to 16.2 MHz |
| WHJS 25.0 C11/80** | 25 to 500 | 2.00 dB | 1.50 dB | 1.40 dB | DC to 20.2 MHz |
| WHJS 30.0 C11/80** | 30 to 500 | 2.00 dB | 1.50 dB | 1.40 dB | DC to 24.3 MHz |
| WHJS 35.0 C11/80** | 35 to 500 | 2.00 dB | 1.50 dB | 1.40 dB | DC to 28.3 MHz |
| WHJS 40.0 C11/80** | 40 to 1000 | 1.60 dB | 1.20 dB | 0.90 dB | DC to 32.4 MHz |
| WHJS 45.0 C11/80** | 45 to 1000 | 1.6 dB | 1.20 dB | 0.90 dB | DC to 36.4 MHz |
| WHJS 50.0 C11/80** | 50 to 1000 | 1.60 dB | 1.20 dB | 0.90 dB | DC to 40.5 MHz |
| WHJS 60.0 C11/80** | 60 to 1000 | 1.60 dB | 1.20 dB | 0.90 dB | DC to 48.6 MHz |
| WHJS 70.0 C11/80** | 70 to 1000 | 1.60 dB | 1.20 dB | 0.90 dB | DC to 56.7 MHz |
| WHJS 80.0 C11/80** | 80 to 1500 | 1.60 dB | 1.20 dB | 0.90 dB | DC to 64.8 MHz |
| WHJS 90.0 C11/80** | 90 to 1500 | 1.60 dB | 1.20 dB | 0.90 dB | DC to 72.9 MHz |
| WHJS 100 C11/80** | 100 to 1500 | 1.60 dB | 1.20 dB | 0.90 dB | DC to 81.0 MHz |
| WHJS 115 C11/80** | 115 to 1500 | 1.60 dB | 1.20 dB | 0.90 dB | DC to 93.1 MHz |
| WHJS 130 C11/80** | 130 to 1500 | 1.60 dB | 1.20 dB | 0.90 dB | DC to 105 MHz |
| WHJS 150 C11/80** | 150 to 2000 | 1.10 dB | 0.90 dB | 0.70 dB | DC to 121 MHz |
| WHJS 175 C11/80** | 175 to 2000 | 1.10 dB | 0.90 dB | 0.70 dB | DC to 142 MHz |
| WHJS 200 C11/80** | 200 to 2500 | 1.10 dB | 0.90 dB | 0.70 dB | DC to 162 MHz |
| WHJS 225 C11/80** | 225 to 2500 | 1.10 dB | 0.90 dB | 0.70 dB | DC to 182 MHz |
| WHJS 250 C11/80** | 250 to 2500 | 1.10 dB | 0.90 dB | 0.70 dB | DC to 202 MHz |
| WHJS 275 C11/80** | 275 to 2500 | 1.10 dB | 0.90 dB | 0.70 dB | DC to 223 MHz |
| WHJS 300 C11/80** | 300 to 2500 | 1.10 dB | 0.90 dB | 0.70 dB | DC to 243 MHz |
| WHJS 350 C11/80** | 350 to 2500 | 1.10 dB | 0.90 dB | 0.70 dB | DC to 283 MHz |
| WHJS 400 C11/80** | 400 to 3000 | 1.10 dB | 0.90 dB | 0.70 dB | DC to 324 MHz |
| WHJS 450 C11/80** | 450 to 3000 | 1.10 dB | 0.90 dB | 0.70 dB | DC to 364 MHz |

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/80dB Cauer Highpass Filter with a cut-off frequency of 55 MHz is **WHJS 55C11/80SS**. For insertion loss and dimensions of the listed **lower frequency** see **WHJS 50C11/80SS**.

| PRICES (each) | EURO | US-\$ |
|-----------------------------------|----------|----------------|
| 1 to 4 filters | 673 | Will be quoted |
| 5 to 9 filters | 606 | |
| 10 to 24 filters | 546 | |
| 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 10C11/80SS). 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