



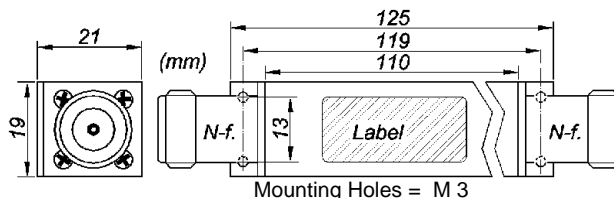
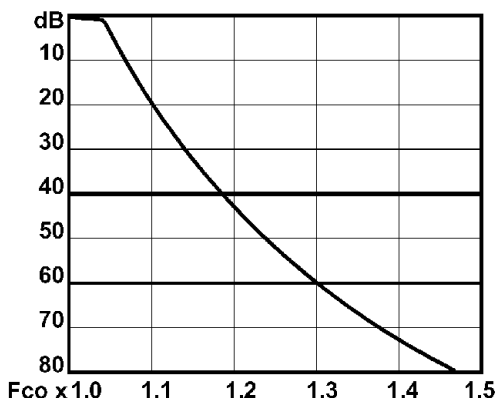
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Lowpass Standard* Filters
Chebyshev Design
7 Sections

WLJS Series:
 21 mm high

**Fco
between
185 and 999 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 DC to Fco | Max. Insertion Loss | | | Reject Attenuation | |
|--------------|-----------------------|---------------------|---------------|---------------|------------------------------|---------------------------------|
| | | at Fco | at 0.97 x Fco | at 0.90 x Fco | 40 dB min. at 2.9 x Fco = | 60 dB min. from 4.4 x Fco to |
| WLJS 185-7** | 185 MHz | 0.82 dB | 0.71 dB | 0.54 dB | 220 MHz | 241 MHz to 3000 |
| WLJS 200-7** | 200 MHz | 0.82 dB | 0.71 dB | 0.54 dB | 238 MHz | 260 MHz to 3000 |
| WLJS 215-7** | 215 MHz | 0.82 dB | 0.71 dB | 0.54 dB | 256 MHz | 280 MHz to 3000 |
| WLJS 230-7** | 230 MHz | 0.82 dB | 0.71 dB | 0.54 dB | 274 MHz | 299 MHz to 3000 |
| WLJS 245-7** | 245 MHz | 0.82 dB | 0.71 dB | 0.54 dB | 292 MHz | 319 MHz to 3000 |
| WLJS 260-7** | 260 MHz | 0.82 dB | 0.71 dB | 0.54 dB | 309 MHz | 338 MHz to 3000 |
| WLJS 275-7** | 275 MHz | 0.82 dB | 0.71 dB | 0.54 dB | 327 MHz | 358 MHz to 3000 |
| WLJS 300-7** | 300 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 357 MHz | 390 MHz to 3000 |
| WLJS 325-7** | 325 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 387 MHz | 423 MHz to 3000 |
| WLJS 350-7** | 350 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 417 MHz | 455 MHz to 3000 |
| WLJS 375-7** | 375 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 446 MHz | 488 MHz to 3000 |
| WLJS 400-7** | 400 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 476 MHz | 520 MHz to 4000 |
| WLJS 425-7** | 425 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 506 MHz | 553 MHz to 4000 |
| WLJS 450-7** | 450 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 536 MHz | 585 MHz to 4000 |
| WLJS 500-7** | 500 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 595 MHz | 650 MHz to 4000 |
| WLJS 550-7** | 550 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 655 MHz | 715 MHz to 4000 |
| WLJS 600-7** | 600 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 714 MHz | 780 MHz to 5000 |
| WLJS 650-7** | 650 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 774 MHz | 845 MHz to 5000 |
| WLJS 700-7** | 700 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 833 MHz | 910 MHz to 5000 |
| WLJS 750-7** | 750 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 893 MHz | 975 MHz to 5000 |
| WLJS 800-7** | 800 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 952 MHz | 1040 MHz to 5000 |
| WLJS 900-7** | 900 MHz | 0.78 dB | 0.65 dB | 0.50 dB | 1071 MHz | 1170 MHz to 5000 |

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

Choose any Fco between 185 and 999 MHz and assign a **Model Number** by inserting the desired Fco.

Example = WLJS 950-7.** The insertion loss of the lower frequency filter applies.

Example: insertion loss of filter WLJS 950-7** see filter WLJS 900-7**.

| PRICES (each) | EURO | US-\$ |
|-----------------------------------|----------|----------------|
| 1 to 4 filters | 341 | Will be quoted |
| 5 to 9 filters | 307 | |
| 10 to 24 filters | 276 | |
| Test Report with Analyzer Curves: | 15 | |
| Cert. of Conformance: | supplied | |

Delivery Terms: FCA Andechs-Frieding (free carrier) according to **Incoterms 2000**
 In Deutschland liefern wir frachtfrei gemäß CPT **Incoterms 2000** (unversichert).

Regarding payment terms and Warranty see [Terms and Conditions](#)

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 375-7**). 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.