

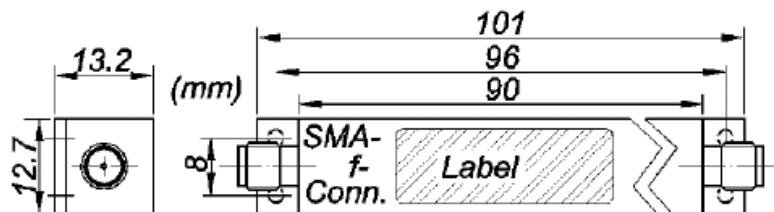
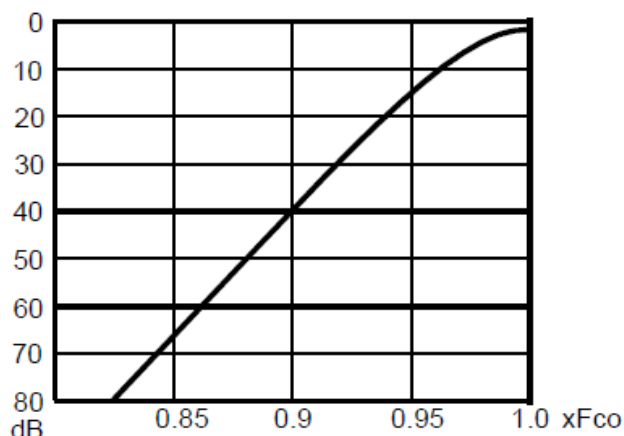


**Fco**  
between  
700 and 3000 MHz

## Highpass Standard\* Filters

**Chebyshev Design**  
10 Sections

**WHKS Series:**  
13.2 mm high  
(SMA-female connectors)



Mounting Holes  $\varnothing = 2.1$  mm

**Return Loss (50  $\Omega$ ) in Passband:**

near Fco: 20 dB typical = VSWR 1.23 : 1 max.

at the worst point: 12 dB min. = VSWR 1.67 : 1 max.

| Model Number   | Passband |          | Max. Insertion Loss |               |              | Reject Attenuation         |                                     |
|----------------|----------|----------|---------------------|---------------|--------------|----------------------------|-------------------------------------|
|                | MHz      |          | at Fco              | at 1.03 x Fco | at 1.1 x Fco | 40 dB min.<br>at 0.9 x Fco | 60 dB min.<br>from DC to 0.86 x Fco |
| WHKS 700-10SS  | 700      | to 7000  | 1.60 dB             | 1.20 dB       | 1.00 dB      | 630 MHz                    | DC to 602 MHz                       |
| WHKS 750-10SS  | 750      | to 7000  | 1.60 dB             | 1.20 dB       | 1.00 dB      | 675 MHz                    | DC to 645 MHz                       |
| WHKS 800-10SS  | 800      | to 7000  | 1.60 dB             | 1.20 dB       | 1.00 dB      | 720 MHz                    | DC to 688 MHz                       |
| WHKS 900-10SS  | 900      | to 7000  | 1.60 dB             | 1.20 dB       | 1.00 dB      | 810 MHz                    | DC to 774 MHz                       |
| WHKS 1000-10SS | 1000     | to 8000  | 1.60 dB             | 1.20 dB       | 1.00 dB      | 900 MHz                    | DC to 860 MHz                       |
| WHKS 1100-10SS | 1100     | to 8000  | 1.60 dB             | 1.20 dB       | 1.00 dB      | 990 MHz                    | DC to 946 MHz                       |
| WHKS 1200-10SS | 1200     | to 8000  | 1.60 dB             | 1.20 dB       | 1.00 dB      | 1080 MHz                   | DC to 1030 MHz                      |
| WHKS 1300-10SS | 1300     | to 8000  | 1.60 dB             | 1.20 dB       | 1.00 dB      | 1170 MHz                   | DC to 1110 MHz                      |
| WHKS 1400-10SS | 1400     | to 8000  | 1.60 dB             | 1.20 dB       | 1.00 dB      | 1260 MHz                   | DC to 1200 MHz                      |
| WHKS 1500-10SS | 1500     | to 10000 | 1.60 dB             | 1.20 dB       | 1.00 dB      | 1350 MHz                   | DC to 1290 MHz                      |
| WHKS 1600-10SS | 1600     | to 10000 | 1.60 dB             | 1.20 dB       | 1.00 dB      | 1440 MHz                   | DC to 1370 MHz                      |
| WHKS 1700-10SS | 1700     | to 10000 | 1.60 dB             | 1.20 dB       | 1.00 dB      | 1530 MHz                   | DC to 1460 MHz                      |
| WHKS 1800-10SS | 1800     | to 10000 | 1.60 dB             | 1.20 dB       | 1.00 dB      | 1620 MHz                   | DC to 1540 MHz                      |
| WHKS 2000-10SS | 2000     | to 10000 | 1.60 dB             | 1.20 dB       | 1.00 dB      | 1800 MHz                   | DC to 1720 MHz                      |
| WHKS 2250-10SS | 2250     | to 10000 | 1.60 dB             | 1.20 dB       | 1.00 dB      | 2020 MHz                   | DC to 1930 MHz                      |
| WHKS 2500-10SS | 2500     | to 10000 | 1.60 dB             | 1.20 dB       | 1.00 dB      | 2250 MHz                   | DC to 2150 MHz                      |
| WHKS 2750-10SS | 2750     | to 10000 | 1.60 dB             | 1.20 dB       | 1.00 dB      | 2470 MHz                   | DC to 2360 MHz                      |
| WHKS 3000-10SS | 3000     | to 10000 | 1.60 dB             | 1.20 dB       | 1.00 dB      | 2700 MHz                   | DC to 2580 MHz                      |

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

Choose any Fco between 700 and 3000 MHz and assign a **Model Number** by inserting the desired Fco.

**Example = WHKS 1350-10SS.** The insertion loss of the lower frequency filter applies.

Example: insertion loss of filter WHKS 1350-10SS - see filter WHKS 1300-10SS.