

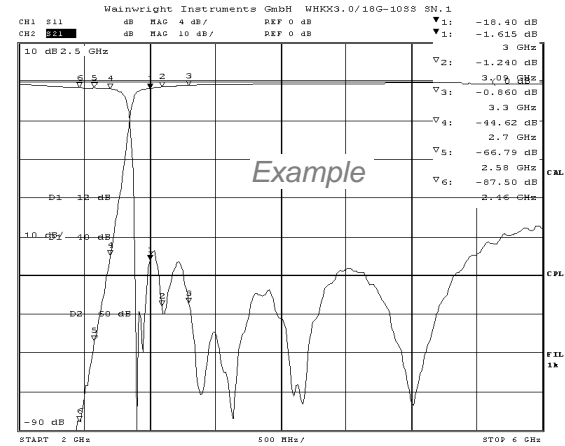
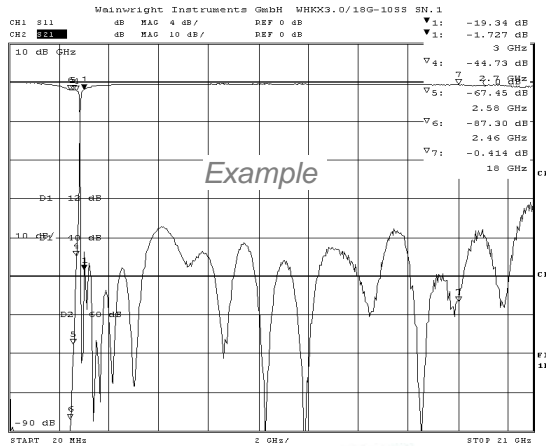


**Wainwright  
Instruments GmbH**

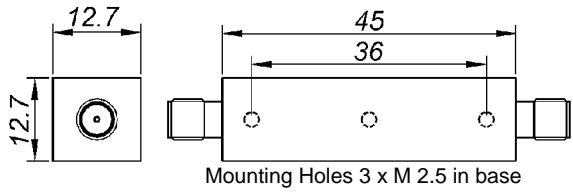
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**Passband to 18 GHz**      **Highpass Filters**      **WHKX Series**  
 For measuring undesired signals from power sources      12.7 mm high  
**10 Section Chebyshev Design**

**Application:** These filters may be used to block the output power of transmitters and amplifiers but pass the spurious signals up to 18 GHz. **RF power handling limited to 5 W in the stopband and 10 W in the passband.**



Average weight:  
41 g (= 1.45 oz.)



Mounting Holes 3 x M 2.5 in base

**Common Specifications**

Passband Loss to 18 GHz: 0.5 dB typical / 2.0 dB max. at Fco  
 Return Loss (50Ω): 12 dB min. = VSWR 1.67 : 1 max.  
 14 dB typ. = VSWR 1.5 : 1 typ.  
 Operating Temperature: +15°C to +40°C  
 Connectors : SMA-female  
 Power Handling: max. 5 W CW in Stopband  
 max. 10 W CW in Passband

**Please note:**

These filters have a specified stopband and passband. The transition zone near Fco is not specified. It varies somewhat from filter to filter.

Please also see our [Guarantee](#) in regard to power handling.

Model Number	Passband to 15 GHz Fco:	Min. Stopband Attenuation			PRICES (each)	EURO	US-\$
		80 dB DC to: (Fco x0,82)	60 dB at: (Fco x0,86)	40 dB at: (Fco x0,90)			
WHKX 1.0/15G-10SS	1.0 GHz	0.82 GHz	0.86 GHz	0.90 GHz	1 to 4 filters	€ 940	<i>Will be quoted.</i>
WHKX 1.5/15G-10SS	1.5 GHz	1.23 GHz	1.29 GHz	1.35 GHz	5 to 9 filters	€ 846	
WHKX 1.6/15G-10SS	1.6 GHz	1.31 GHz	1.38 GHz	1.44 GHz	10 to 24 filters	€ 761	
WHKX 1.7/15G-10SS	1.7 GHz	1.39 GHz	1.46 GHz	1.53 GHz	Test Data Sheets with Netw. Analyzer Curves: supplied		
WHKX 1.8/15G-10SS	1.8 GHz	1.48 GHz	1.55 GHz	1.62 GHz	<b>Filters with cut-off frequencies that are not listed above:</b> Choose any Fco between 1.0 GHz and 3.5 GHz in 0.1 GHz steps and assign a <b>Model Number</b> by inserting the desired Fco. <b>Example = WHKX 1.3/15G-10SS.</b> <b>Delivery Terms:</b> FCA Andechs-Frieding (free carrier) according to <b>Incoterms 2000</b> <b>In Deutschland liefern wir frachtfrei gemäß CPT Incoterms 2000 (unversichert).</b> <b>Regarding payment terms and Warranty see <a href="#">Terms and Conditions</a></b> <b>Delivery Time:</b> normally 4 to 6 weeks - depending on quantity ordered and on our work load at time of order.		
WHKX 1.9/15G-10SS	1.9 GHz	1.56 GHz	1.63 GHz	1.71 GHz			
	<b>to 18GHz</b>						
WHKX 2.0/18G-10SS	2.0 GHz	1.64 GHz	1.72 GHz	1.80 GHz			
WHKX 2.1/18G-10SS	2.1 GHz	1.72 GHz	1.81 GHz	1.89 GHz			
WHKX 2.2/18G-10SS	2.2 GHz	1.80 GHz	1.89 GHz	1.98 GHz			
WHKX 2.3/18G-10SS	2.3 GHz	1.89 GHz	1.98 GHz	2.07 GHz			
WHKX 2.4/18G-10SS	2.4 GHz	1.97 GHz	2.06 GHz	2.16 GHz			
WHKX 2.5/18G-10SS	2.5 GHz	2.05 GHz	2.15 GHz	2.25 GHz			
WHKX 2.6/18G-10SS	2.6 GHz	2.13 GHz	2.24 GHz	2.34 GHz			
WHKX 2.7/18G-10SS	2.7 GHz	2.21 GHz	2.32 GHz	2.43 GHz			
WHKX 2.8/18G-10SS	2.8 GHz	2.30 GHz	2.41 GHz	2.52 GHz			
WHKX 2.9/18G-10SS	2.9 GHz	2.38 GHz	2.49 GHz	2.61 GHz			
WHKX 3.0/18G-10SS	3.0 GHz	2.46 GHz	2.58 GHz	2.70 GHz			
WHKX 3.5/18G-10SS	3.5 GHz	2.87 GHz	3.01 GHz	3.15 GHz			