



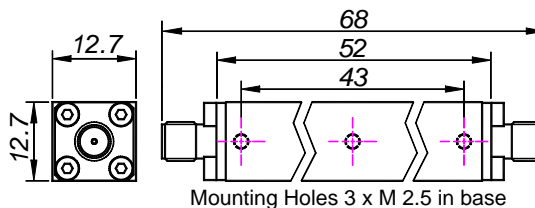
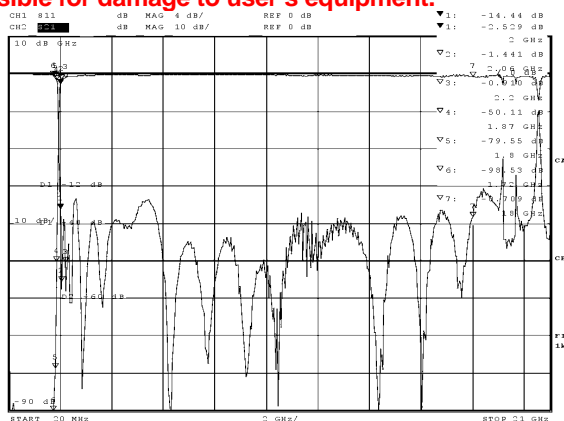
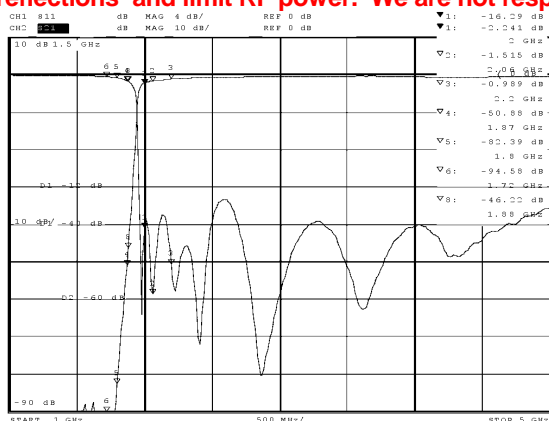
**Wainwright
Instruments GmbH**

Widdersberger Str.14
82346 Andechs, Germany
 Tel.: +49-8152-918230 Fax: +49-8152-918255
 E-Mail: info@wainwright-filters.com
 Internet: www.wainwright-filters.com

Passband to 18 GHz	Highpass Filters 12 Section Chebyshev Design	WHKX Series 12.7 mm high
-------------------------------	---	-------------------------------------

These filters may be used to block the output power of transmitters and amplifiers but pass the spurious signals up to 18 GHz. However, 10 W in the passband and 5 W in the stopband should not be exceeded. Under these conditions, proper cooling by mounting on a heat sink is necessary.

Suitable attenuation (at least 3dB) must be used between the source and the filter to reduce reflections and limit RF power. We are not responsible for damage to user's equipment.



Common Specifications

- Passband Loss to 18 GHz: 0.6 dB typical
3.0 dB max. at Fco
- Return Loss (50Ω): 12 dB min. = VSWR 1.67 : 1 max.
- Operating Temperature: +15°C to + 40°C
- Average weight: 30 g (= 1.06 oz.)
- Connectors: SMA-female only
- Power Handling: see above

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.

Model Number	Passband to 15 GHz Fco:	Min. Stopband Attenuation			PRICES (each)	EURO	US-\$
		80 dB DC to: (Fco x0.86)	60 dB at: (Fco x0.9)	40 dB at: (Fco x0.935) (Fco x0.94)*			
WHKX 1.0/15G-12SS	1.0 GHz	0.86 GHz	0.90 GHz	0.94 GHz	1 to 4 filters	€ 1180	Will be quoted
WHKX 1.5/15G-12SS	1.5 GHz	1.29 GHz	1.35 GHz	1.40 GHz	5 to 9 filters	€ 1062	
WHKX 1.6/15G-12SS	1.6 GHz	1.37 GHz	1.44 GHz	1.50 GHz	10 to 24 filters	€ 956	
WHKX 1.7/15G-12SS	1.7 GHz	1.46 GHz	1.53 GHz	1.59 GHz	Test Data Sheets with Netw. Analyzer Curves:	supplied	
WHKX 1.8/15G-12SS	1.8 GHz	1.55 GHz	1.62 GHz	1.68 GHz			
WHKX 1.9/15G-12SS	1.9 GHz	1.63 GHz	1.71 GHz	1.78 GHz	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.		
	to 18GHz						
WHKX 2.0/18G-12SS	2.0 GHz	1.72 GHz	1.80 GHz	1.88 GHz*			
WHKX 2.1/18G-12SS	2.1 GHz	1.81 GHz	1.89 GHz	1.96 GHz*			
WHKX 2.2/18G-12SS	2.2 GHz	1.89 GHz	1.98 GHz	2.06 GHz			
WHKX 2.4/18G-12SS	2.4 GHz	2.06 GHz	2.16 GHz	2.24 GHz			
WHKX 2.5/18G-12SS	2.5 GHz	2.15 GHz	2.25 GHz	2.34 GHz			
WHKX 2.6/18G-12SS	2.6 GHz	2.24 GHz	2.34 GHz	2.43 GHz			
WHKX 2.8/18G-12SS	2.8 GHz	2.41 GHz	2.52 GHz	2.62 GHz			
WHKX 3.0/18G-12SS	3.0 GHz	2.58 GHz	2.70 GHz	2.81 GHz			
WHKX 3.2/18G-12SS	3.2 GHz	2.75 GHz	2.88 GHz	2.99 GHz			
WHKX 3.4/18G-12SS	3.4 GHz	2.92 GHz	3.06 GHz	3.18 GHz			
WHKX 3.5/18G-12SS	3.5 GHz	3.01 GHz	3.15 GHz	3.27 GHz			

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

Choose any Fco between 2 GHz and 3.5 GHz and assign a Model No. by inserting the desired Fco in steps of 0.1 GHz.