



**Wainwright  
Instruments GmbH**

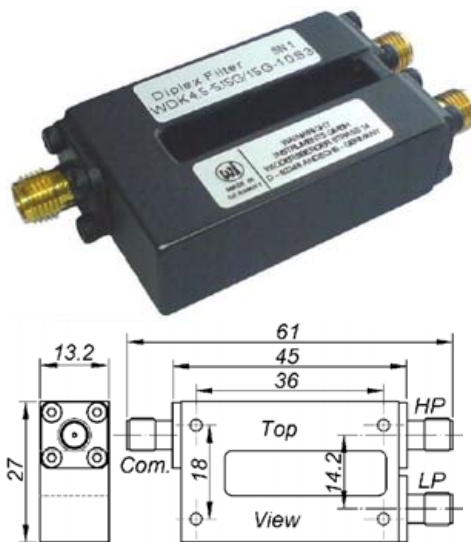
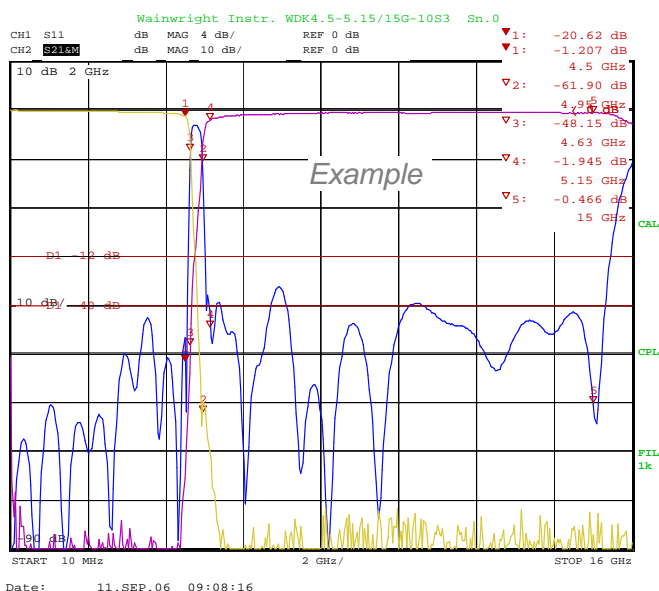
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**DC to 4.5 GHz  
5.15 GHz to 15 GHz**

## Microwave Diplex Filter

Low Band DC to 4.5 GHz  
High Band 5.15 GHz to 15 GHz

**Model Number:  
WDK4.5-5.15/  
15G-10S3**



**This Microwave Diplex Filter is an example of several possible combinations of our [Microwave Lowpass Filters](#) (Stopband to 18 GHz) with our [Microwave Highpass Filters](#).**  
 Possible Highpass Series: [WHK 10 to 15 GHz](#) [WHK 10 to 18 GHz](#) [WHKX 10 to 18 GHz](#)  
 Rule: Fco of the Lowpass must be lower than Fco of the Highpass.

Specifications (Example to 15 GHz)		
<b>Low Passband:</b>	DC to 4.5 GHz	
<b>High Passband:</b>	5.15 GHz to 15 GHz	
<b>Passband Loss:</b>	1.5 dB max. (LP) / 2.0 dB max. (HP)	
<b>Return Loss (50Ω) in Passband:</b>	12 dB min. = VSWR 1.67 : 1 max.	
<b>Isolation:</b>	40 dB min. / DC to 4.63 GHz (High) and 4.95 to 15 GHz (Low)	
<b>Operating Temperature:</b>	+15°C to + 40°C	
<b>Dimensions and Weight:</b>	13.2 mm high x 27 x 45 mm plus connectors	<b>Approx. Weight:</b> 0.09 kg ( 0.2 lbs)
<b>Mounting Provision:</b>	Mounting Holes 4 x M 2.5 in base	
<b>Connectors</b>	SMA-female	
<b>Prices:</b> When purchasing 1 – 4 pcs.	<b>Euro:</b> €1.430,--	<b>US-\$<sup>*)</sup>:</b> <i>Will be quoted.</i>
<b>Delivery Terms:</b> FCA Andechs-Frieding (free carrier) according to <i>Incoterms 2000</i> . Regarding payment terms and Warranty see <a href="#">Terms and Conditions</a> . In Deutschland liefern wir frachtfrei gemäß CPT <i>Incoterms 2000</i> (unversichert).		
Test Sheet with Analyzer Curves supplied		
* Prices in US-\$ for US-customers only. American customers are welcome to purchase at EURO-prices and carry postage/freight and import charges directly.		

**Delivery Time:** Normally 4 to 6 weeks - depending on workload in the factory at time of order.