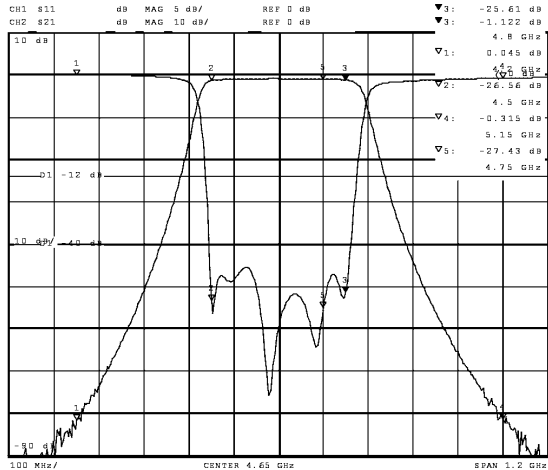




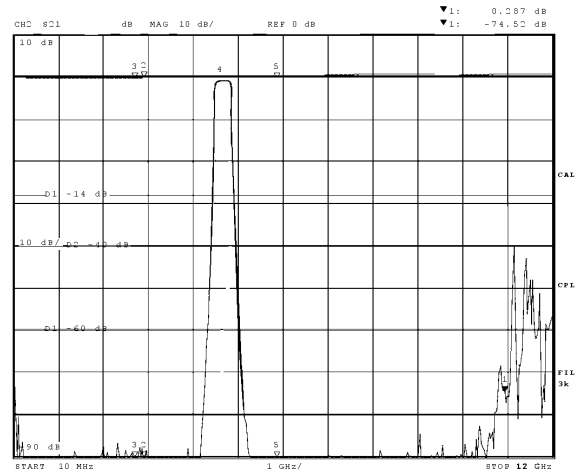
**Wainwright  
Instruments GmbH**

Widdersberger Str.14  
**D82346 Andechs, Germany**  
 Tel.: +49-8152-918230 Fax: +49-8152-918255  
 E-Mail: [info@wainwright-filters.com](mailto:info@wainwright-filters.com)  
 Internet: [www.wainwright-filters.com](http://www.wainwright-filters.com)

<b>8 Resonator Cavity Design WCQ Series</b>	<h2>Bandpass Filter</h2> <p>Pass Band 4500 to 4800 MHz          Reject Bands DC to 4200 &amp; 5150 to 10 GHz</p>	<b>Model Number: WCQ 4500/4800- 4200/5150-80/8SS</b>
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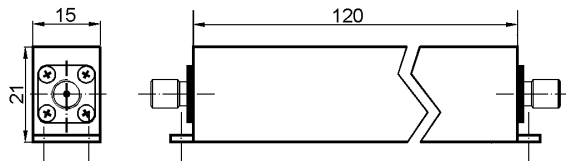
Passband Response



Reject Band Response

**Model Number: WCQ4500/4800-4200/5150-80/8SS**

(= with SMA-F)



- Slopes: 300/350 MHz – 80 dB
- Reject Band to 10 GHz

Specifications		* Power Handling	
<b>Passband:</b>	4500 to 4800 MHz	No power tests have been made on this filter. However, from calculations and experience we estimate the power handling capability of this filter to be 100 Watts. We are interested in cooperating with you in power testing this filter in your system. Please also see our Terms & Conditions in regard to power handling.	
<b>Passband Loss at Fo:</b>	0.8 dB max at 4650 MHz		
<b>Passband Loss at Corners:</b>	1.3 dB max. at 4500 and 4800 MHz		
<b>Power Handling:</b>	100 W max. (see note *)		
<b>Return Loss (50Ω) in Passband:</b>	17 dB min. = VSWR 1.33 : 1 max.		
<b>Reject Bands:</b>	DC to 4200 MHz and 5150 to 10 GHz		
<b>Reject Attenuation:</b>	80 dB min.		
<b>Operating Temperature:</b>	+15°C to +40°C		
<b>Dimensions &amp; approx. Weight:</b>	21 mm high x 15mm x 120 mm plus connectors Weight: 0.13 kg (0.3 lbs)		
<b>Mounting Provision:</b>	7.5 mm Flanges on each side with 2.7 mm holes 2.5 mm from the edges		
<b>Connector Code:</b>	SMA-female = SS		
Price Basis: see Ord. Inf., Terms, Warranty	<b>PRICES:</b>	<b>Euro:</b> Price based on shipment ex factory	<b>US-\$:</b> Price includes shipping, import charges and customs duty. **
When purchasing 1 – 4 pcs.		<b>€959,--</b>	<b>\$ 1,445.--</b>
Test Sheet with Analyzer Curves supplied.			
** Prices in US-\$ for shipments to the USA only. American customers are welcome to purchase at EURO-prices and carry postage/freight and import charges directly.			

**Delivery Time:** normally 3 to 4 weeks - depending on work load in the factory at time of order.