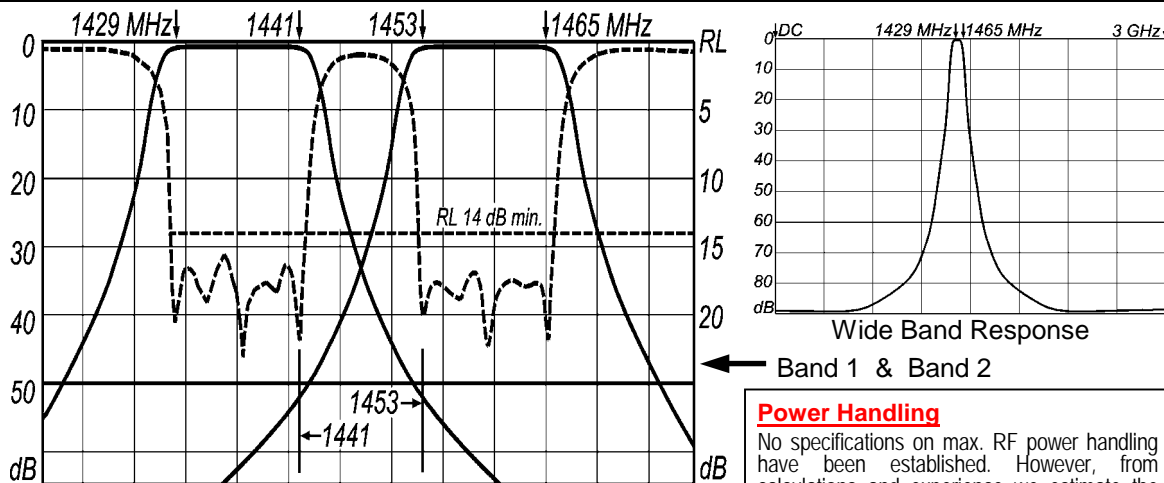




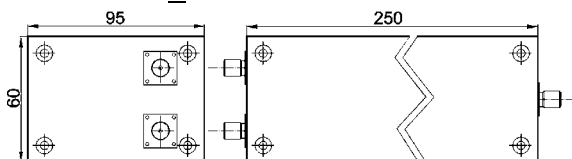
**Wainwright  
Instruments GmbH**

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>16 Resonator</b>	<b>Diplex Filter</b>	<b>Model Number:</b>
Cavity Design	<b>Pass Bands 1429 to 1441 &amp; 1453 to 1465 MHz</b>	<b>WDG 1429/1441-</b>
<b>WDG Series</b>	<b>Reject Bands 1453 to 1465 &amp; 1429 to 1441 MHz</b>	<b>1453/1465-50/16</b>
		<i>(add connector code – see below)</i>



**Model Numbers:** WDG1429/1441-1453/1465-50/16S3 (= SMA-F)  
 or: WDG1429/1441-1453/1465-50/16E3 (= N-F)



**Dimensions:**  
 95 mm high x 60 mm wide  
 250 mm long – plus connectors

**Power Handling**  
 No specifications on max. RF power handling have been established. 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 and Conditions](#) in regard to power handling.



**Approx. weight:**  
 1.6 kg (3.5 lbs.)

**Isolation: 50 dB**

Specifications			
	Band 1	Band 2	
<b>Passband:</b>	1429 to 1441 MHz	1453 to 1465 MHz	
<b>Passband Loss:</b>	1.5 dB max.	1.5 dB max.	
<b>Power Handling</b> (see note above):	100 W max.	100 W max.	
<b>Return Loss (50Ω) in Passband:</b>	14 dB min. = VSWR 1.5 : 1 max.	14 dB min. = VSWR 1.5 : 1 max.	
<b>Reject Bands:</b>	1453 to 1465 MHz	1429 to 1441 MHz	
<b>Reject Attenuation:</b>	50 dB min.	50 dB min.	
<b>Operating Temperature:</b>	+15°C to +40°C		
<b>Dimensions &amp; approx. Weight:</b>	95 mm high x 60 x 250 mm plus connectors		Approx. Weight: 1.6 kg (3.5 lbs)
<b>Mounting Provision:</b>	4 x M4 threaded holes each on all sides - see drawing <a href="#">UMP-1</a> (Website)		
<b>Connector Code:</b>	SMA-female = S3 or N-female = E3		
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>€1.760,-</b>		<a href="#">Will be quoted.</a>
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 4 to 6 weeks - depending on work load in the factory at time of order.