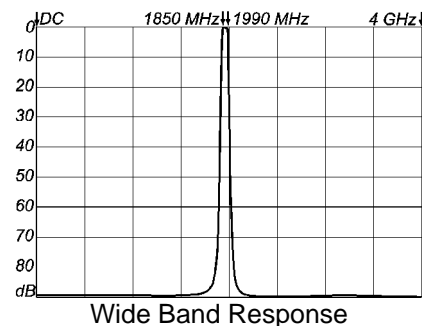
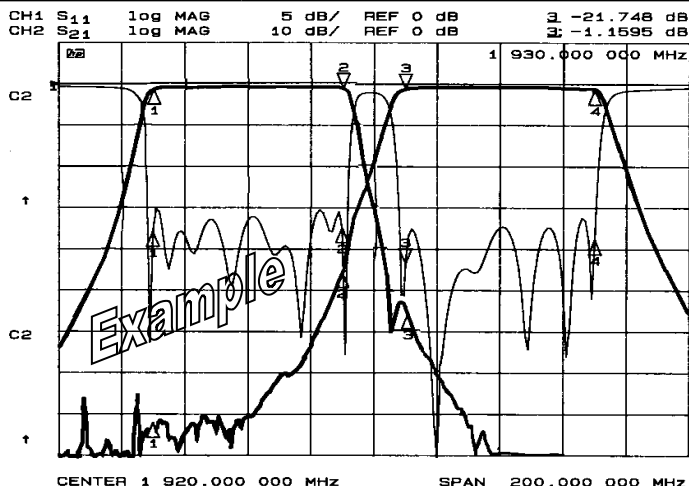




**Wainwright
Instruments GmbH**

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

16 Resonator	Diplex Filter	Model Number:
<i>Cavity Design</i>	Pass Bands 1850 to 1910 & 1930 to 1990 MHz	WDG 1850/1910-1930/1990-50/16
WDG Series	Reject Bands 1930 to 1990 & 1850 to 1910 MHz	(add connector code - see below)

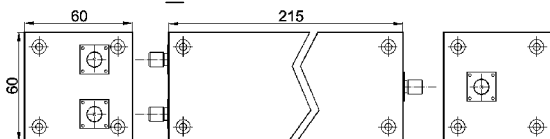


← Band 1 & Band 2

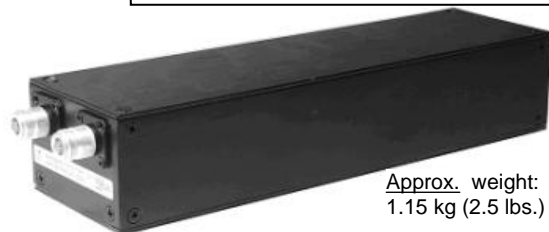
Power Handling

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.

Model Numbers: WDG1850/1910-1930/1990-50/16S3 (= SMA-F)
 or: WDG1850/1910-1930/1990-50/16E3 (= N-F)



Dimensions:
 60 mm high x 60 mm wide
 215 mm long – plus connectors



Approx. weight:
 1.15 kg (2.5 lbs.)

Isolation: 50 dB

Specifications			
	Band 1	Band 2	
Passband:	1850 to 1910 MHz	1930 to 1990 MHz	
Passband Loss:	1.5 dB max.	1.5 dB max.	
Power Handling (see note above):	100 W max.	100 W max.	
Return Loss (50Ω) in Passband:	14 dB min. = VSWR 1.5 : 1 max.	14 dB min. = VSWR 1.5 : 1 max.	
Reject Band:	1930 to 1990 MHz	1850 to 1910 MHz	
Reject Attenuation:	50 dB min.	50 dB min.	
Operating Temperature:	+15°C to +45°C		
Dimensions & approx. Weight:	60 mm high x 60 x 215 mm plus connectors		Approx. Weight: 1.15 kg (2.5 lbs)
Mounting Provision:	4 x M4 threaded holes each on all sides - see drawing UMP-1 (Website)		
Connector Code:	SMA-female = SS or N-female = EE		
Price Basis: see Ord. Inf., Terms, Warranty	PRICES:	Euro: Price based on shipment ex factory	US-\$: Price includes shipping, import charges and customs duty. *
When purchasing 1 – 4 pcs.	€1.570,-		Will be quoted.
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.