



**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

24 Resonator

Cavity Design

WDG Series

Diplex Filter

Pass Bands 1710 to 1785 & 1805 to 1885 MHz

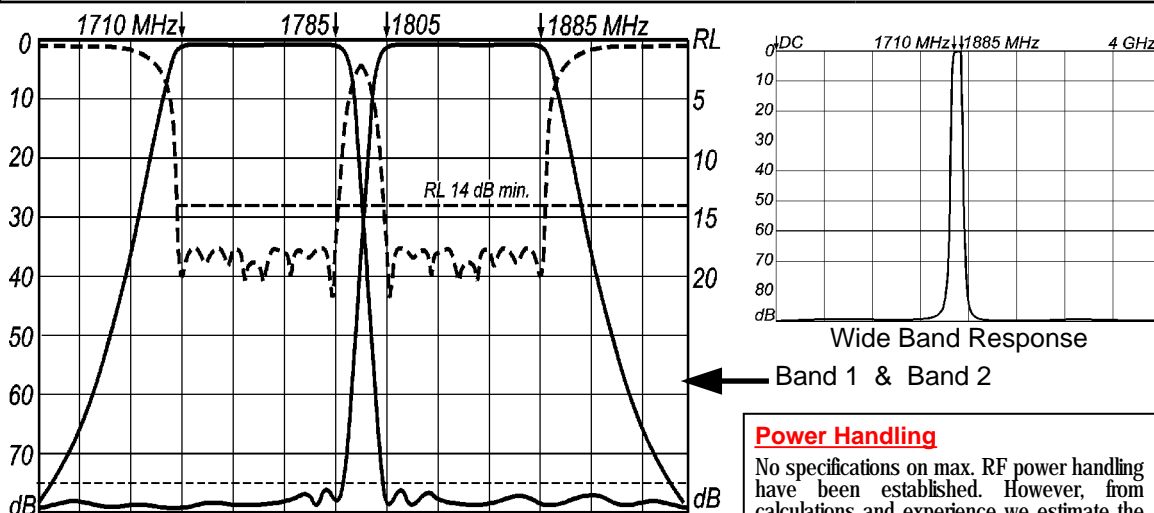
Reject Bands 1805 to 1885 & 1710 to 1785 MHz

Model Number:

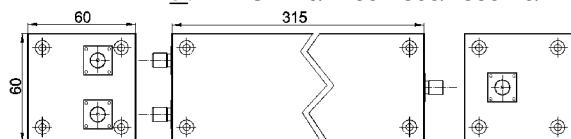
WDG 1710/1785-

1805/1885-75/24

(add connector code - see below)



Model Numbers: WDG1710/1785-1805/1885-75/24S3 (= SMA-F)
 or: WDG1710/1785-1805/1885-75/24E3 (= N-F)



Dimensions:
 60 mm high x 60 mm wide
 315 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:
 2.0 kg (4.4 lbs.)

Isolation: 75 dB

Specifications		
	Band 1	Band 2
Passband:	1710 to 1785 MHz	1805 to 1885 MHz
Passband Loss:	2.0 dB max.	2.0 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:	1805 to 1885 MHz	1710 to 1785 MHz
Reject Attenuation:	75 dB min.	75 dB min.
Operating Temperature:	+15°C to +45°C	
Dimensions & approx. Weight:	60 mm high x 60 x 315 mm plus connectors	Approx. Weight: 2.0 kg (4.4 lbs)
Mounting Provision:	4 x M4 threaded holes each on all sides - see drawing UMP-1 (Website)	
Connector Code:	SMA-female = S3 or N-female = E3	
Prices: When purchasing 1 - 4 pcs.	Euro: € 2.327,-	US-\$: <u>Will be quoted.</u>
Delivery Terms:	FCA Andechs-Frieding (free carrier) according to Incoterms 2000 . In Deutschland liefern wir frachtfrei gemäß CPT Incoterms 2000 (unversichert). Regarding payment terms and Warranty see Terms and Conditions .	
Test Sheet with Analyzer Curves supplied.		

Delivery Time: normally 4 to 6 weeks - depending on work load in the factory at time of order.