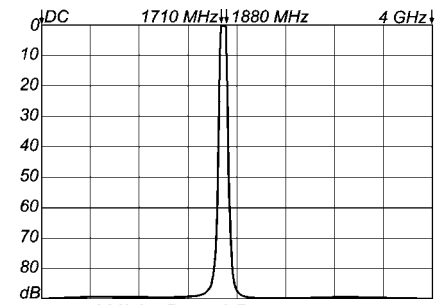
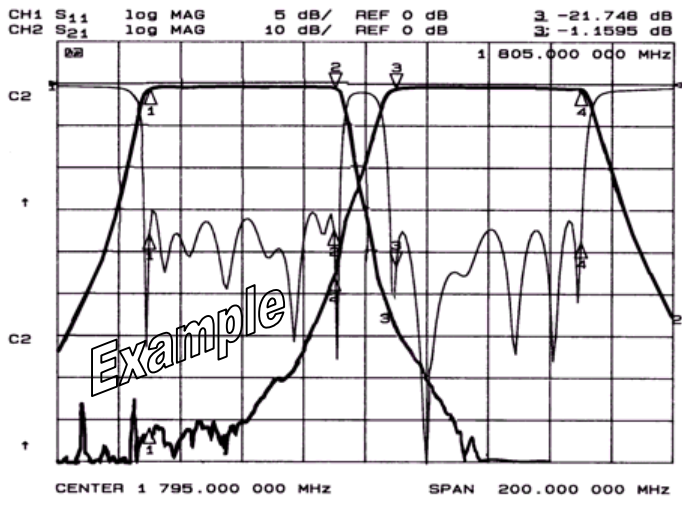




**Wainwright
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20 Resonator Diplex Filter **Model Number:**
WDG 1710/1785-1805/1880-50/20
 Cavity Design **Pass Bands 1710 to 1785 & 1805 to 1880 MHz**
WDG Series **Reject Bands 1805 to 1880 & 1710 to 1785 GHz** *(add connector code – see below)*

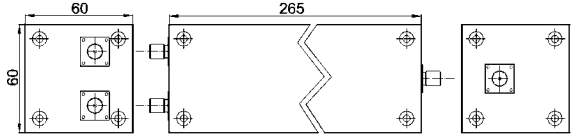


Wide Band Response

← 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: WDG1710/1785-1805/1880-50/20S3 (= SMA-F)
 or: WDG1710/1785-1805/1880-50/20E3 (= N-F)



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



Approx. weight:
 1.4 kg (3.1 lbs.)

Isolation: 50 dB

Specifications			
	Band 1	Band 2	
Passband:	1710 to 1785 MHz	1805 to 1880 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 MHz to 1880 MHz	1710 to 1785 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 265 mm plus connectors		Approx. Weight: 1.4 kg (3.1 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		
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.		€1.935,--	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.