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**10 Resonator
Cavity Design
WCG Series**

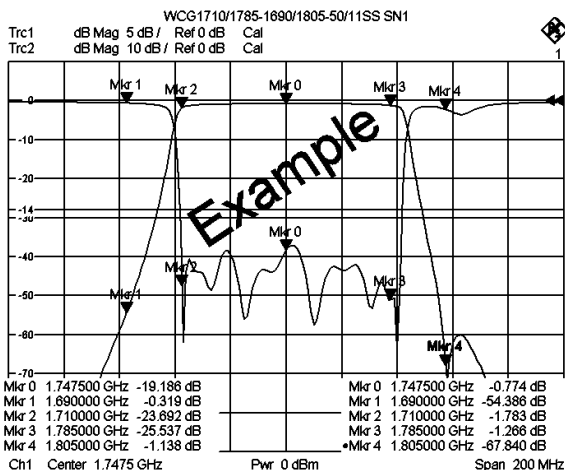
Bandpass Filter

Pass Band 1710 to 1785 MHz
 Reject Band DC to 1690 & 1805 to 4000 MHz

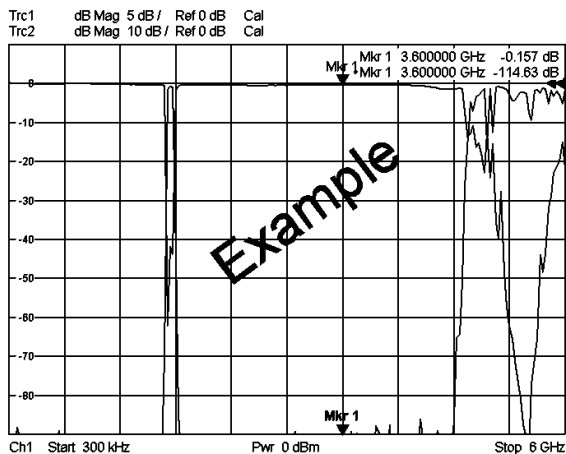
Model Number:

**WCG 1710/1785-
1690/1805-40/10**

(add connector code - see below)

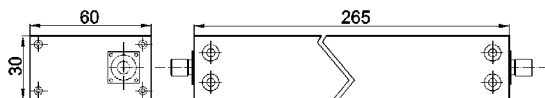


Passband Response



Reject Band Response

Model Numbers: WCG1710/1785-1690/1805-40/10SS (= SMA-F)
 WCG1710/1785-1690/1805-40/10EE (= N-F)



Approx. weight: 1.1 kg (2.4 lbs.)



- Slopes: 20 MHz / 40 dB
- Reject Band to 4000 MHz

Specifications		* Power Handling
Passband:	1710 to 1785 MHz	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 & Conditions in regard to power handling.
Passband Loss at Fo:	1.0 dB max at 1747.5 MHz	
Passband Loss at Corners:	2.0 dB max. at 1710 and 1785 MHz	
Power Handling:	100 W max. (see note *)	
Return Loss (50Ω) in Passband:	14 dB min. = VSWR 1.5 : 1 max.	
Reject Bands:	DC to 1690 MHz and 1805 to 4000 MHz	
Reject Attenuation:	40 dB min.	
Operating Temperature:	+15°C to +40°C	
Dimensions & approx. Weight:	60 mm high x 30mm x 265 mm plus connectors weight: 1.1 kg (2.4 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	
Prices: When purchasing 1 – 4 pcs.	Euro: €1.075,-	US-\$^{*)}: Will be quoted.
Delivery Terms: FCA Andechs-Frieding (free carrier) according to <i>Incoterms 2000</i> . Regarding payment terms and Warranty see Terms and Conditions . In Deutschland liefern wir frachtfrei gemäß CPT <i>Incoterms 2000</i> (unversichert).		
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.