Wainwright Instruments GmbH

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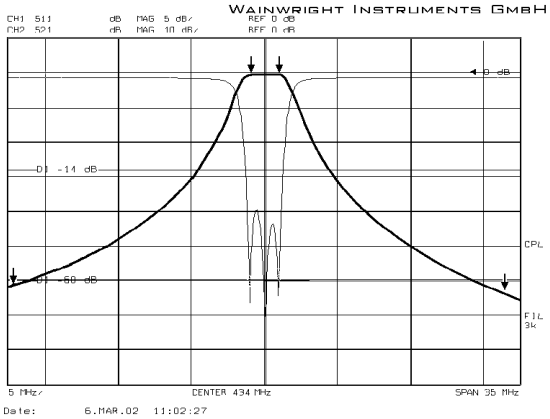
3 Resonator
Cavity Design
WCD Series

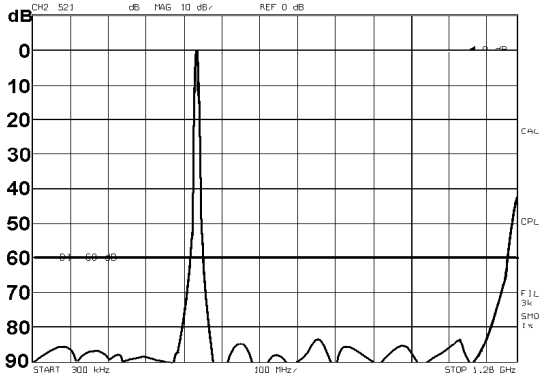
Bandpass Filter

Pass Band 433 to 435 MHz
Reject Bands DC to 414 & 454 to 1200 MHz

Model Number:
WCD 433/435-414/454-60/3__
(add connector code - see below)



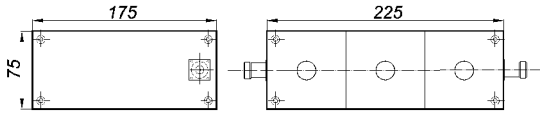
Passband Response



Reject Band Response

Model Numbers:

WCD433/435-414/454-60/3**SS** (= SMA-F) or:
WCD433/435-414/454-60/3**EE** (= N-F)



Approx. weight: 3.4 kg (7.5 lbs.)

- **Slopes: 19 MHz / 60 dB**
- **Reject Band to 1200 MHz**

Specifications		
Passband:	433 to 435 MHz	
Passband Loss:	0.6 dB max.	
Power Handling:	100 W max. (see note *)	
Return Loss (50Ω) in Passband:	20 dB min. = VSWR 1.23 : 1 max.	
Reject Bands:	DC to 414 MHz and 454 to 1200 MHz	
Reject Attenuation:	60 dB min.	
Operating Temperature:	+15°C to +40°C	
Dimensions and approx. Weight:	175 mm high x 75 mm x 225 mm plus connectors	Approx. weight: 3.4 kg (7.5 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**	
Prices: When purchasing 1 - 4 pcs.	**Euro: € 691,--**	**US-$:** ***Will be quoted.***
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.		

*** 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. Power is limited due to the narrow passband. 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.

Delivery Time: normally 3 to 4 weeks - depending on work load in the factory at time of order.