



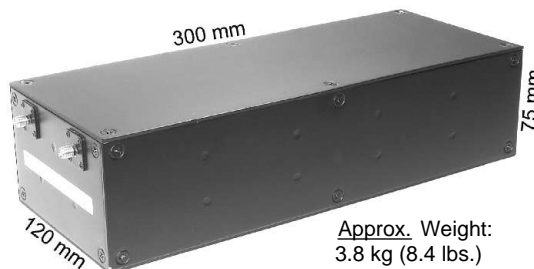
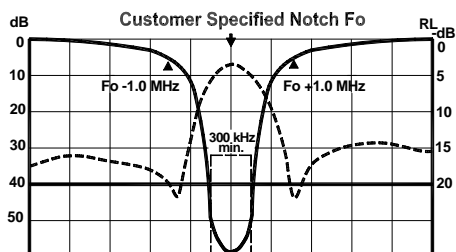
**Wainwright
Instruments GmbH**

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

10 Resonator
Ultra Stable Cavity Design
WRCT Series

Notch Filter (Fixed Frequency)
with customer specified Notch Fo
between 1920 & 2550 MHz

Model Number
to be specified
(see below)



At the **customer specified** notch center frequency RF power is suppressed over a notch band width of ± 150 kHz by 30, 40 or 50 dB attenuation. The notch frequency can be re-adjusted using a screwdriver and with the help of a network analyzer. Within $\pm 1\%$ of F_o there will be little change of the notch shape.

**Very Flat Passband
from DC to 3600 MHz**

Specifications					
Notch Fo:	<u>Specify</u> Notch Fo between 1920 and 2550 MHz				
Notch Attenuation:	<u>Choose</u> 30 dB, 40 dB or 50 dB min.				
Passband Loss:	1.5 dB max. DC to 3600 MHz (except at notch corners)				
Passband Loss at Notch Corners					
if Notch Attenuation is 30 dB:	4 dB max. at $F_o \pm 1.0$ MHz - BW $F_o \pm 150$ kHz				
if Notch Attenuation is 40 dB:	5 dB max. at $F_o \pm 1.0$ MHz - BW $F_o \pm 150$ kHz				
if Notch Attenuation is 50 dB:	6 dB max. at $F_o \pm 1.0$ MHz - BW $F_o \pm 150$ kHz				
Return Loss (50Ω) in Passband:	14 dB min. = VSWR 1.5 : 1 max.				
Operating Temperature:	+15°C to +40°C				
Dimensions and approx. Weight:	75 mm high x 120 x 300 mm <u>plus connectors</u> Approx. Weight: 3.8 kg (8.4 lbs)				
Mounting Provision:	4 x M4 threaded holes each on all sides - see drawing UMP-1 (Website)				
Determining the Model Number:					
<u>Specify</u> Notch Fo between 1920 and 2550 MHz	<u>Fixed</u> Reject BW	<u>Choose</u> 30, 40 or 50 dB (min.) Notch Attenuation	<u>Fixed</u> No. of Resonators	<u>Choose</u> Connectors: EE = N-female SS = SMA-female	Examples of Model Number WRCT 1920-0.3/30-10EE WRCT 2200-0.3/40-10SS WRCT 2400-0.3/50-10SS
WRCT _____ - 0.3 / _____ - 10 _____					
Prices: When purchasing 1 – 4 pcs.	Euro: €1.759,--	US-\$*): <u>Will be quoted.</u>			
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.