



**Wainwright  
Instruments GmbH**

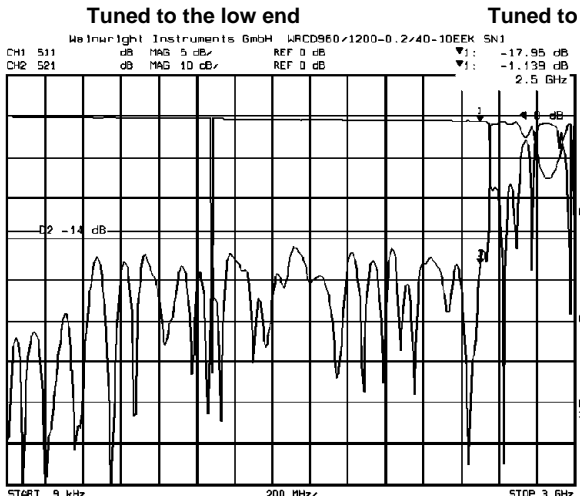
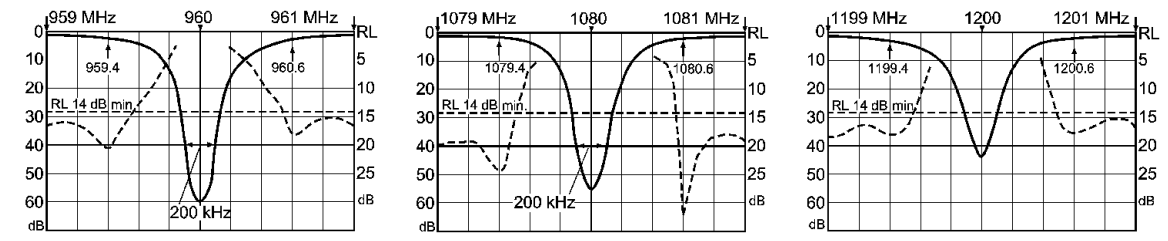
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**10 Resonator  
Cavity Design  
WRCD Series**

**Tunable Notch Filter**

**960 to 1200 MHz**

**Model Number**  
**WRCD 960/1200-0.2/40-10...**  
 (add codes - see below)



Available with Tuning Knobs or Screwdriver Tunable

This filter will produce up to 10 notches in the passband. The notch Fo is determined by the user by tuning each resonator. Each notch is very narrow and has 5 to 10 dB reject attenuation. Several notches can be combined by tuning them to the same frequency. This increases the notch depth and width. Attenuation will be greater at the low end of the tuning range and less at the upper end. The filter is designed to produce a 200 kHz bandwidth with at least 40 dB reject attenuation when all notches are tuned to **1080 MHz**. The temperature specification of +15° to +40°C applies to this frequency and stability decreases away from the center towards both ends of the range. Each filter is tested over the full range and 4 curves (as shown above) are supplied on delivery.

Specifications Model No. <b>WRCD 960/1200-0.2/40-10</b> ....		Add connector code ( <b>SS</b> or <b>EE</b> ) and option code ( <b>K</b> or <b>SD</b> )
<b>Tuning Range:</b>	960 to 1200 MHz	
<b>Passband Loss:</b>	1.5 dB max. DC to 2500 MHz - <u>except</u> 4 dB max. at Fo ± 600 kHz (notch corners)	
<b>Return Loss (50 Ω):</b>	14 dB min. = VSWR 1.5 : 1 max.	
<b>Notch attenuation:</b>	40 dB min. at Fo (1080 MHz) ± 100 kHz	
<b>Oper. Temperature:</b>	+15°C to +40°C	
<b>Connector Code:</b>	SMA-female = <b>SS</b> or N-female = <b>EE</b> - both connectors on <u>one</u> 95 x 150 mm surface	
<b>Options Code:</b>	Filters with tuning knobs = <b>K</b> - Filters with slots for screwdriver tuning = <b>SD</b>	
<b>Mounting Provision:</b>	4 x M4 threaded holes each on all sides - see drawing UMP-1 (Website)	
<b>Dimensions:</b>	95 mm high (plus tuning knobs) x 150 x 375 mm (plus connectors)	
<b>Prices:</b> When purchasing 1 - 4 pcs.	<b>Euro: € 2.279,-</b>	<b>US-\$: <u>Will be quoted.</u></b>
<b>Delivery Terms:</b>	FCA Andechs-Frieding (free carrier) according to <b>Incoterms 2000</b> . In Deutschland liefern wir frachtfrei gemäß CPT <b>Incoterms 2000</b> (unversichert). Regarding payment terms and Warranty see <a href="#">Terms and Conditions</a> .	
<b>Test Sheet with Analyzer Curves supplied.</b>		

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