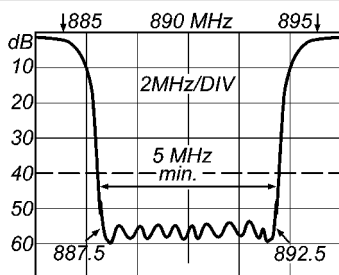




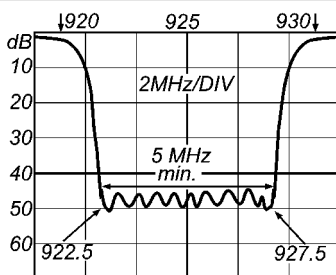
**Wainwright
Instruments GmbH**

Widdersberger Str.14
D82346 Andechs, Germany
 Tel.: +49-8152-918230 Fax: +49-8152-918255
 E-Mail: info@wainwright-filters.com
 Internet: www.wainwright-filters.com

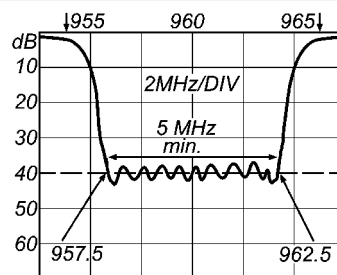
8 Resonator Tunable Band Reject Filter **Model Number**
WRCT 890/960-5/40-8.....
 Cavity Design **890 to 960 MHz**
WRCT Series **5 MHz Reject Bandwidth**
(add codes - see below)



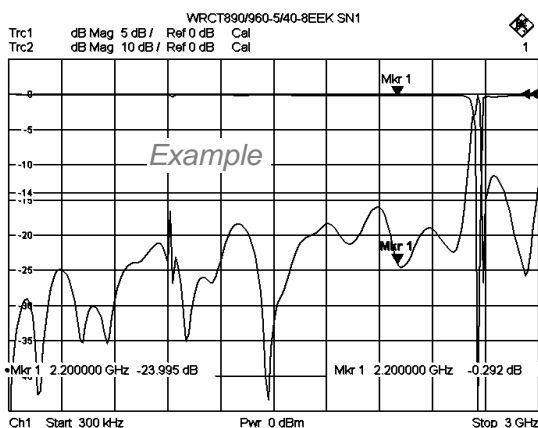
Tuned to the low end



Tuned to 925 MHz

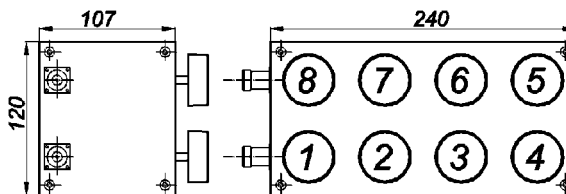


Tuned to the high end



approx. Weight:
4.9 kg (10.8 lbs.)

**Available with Tuning Knobs
or Screwdriver Tunable**



The filter will be delivered with the resonators tuned to produce at least 40 dB attenuation at 925 MHz \pm 2.5 MHz. Each resonator has a number (1 to 8). A response curve is supplied, showing which point of the curve is controlled by which resonator. To re-tune to a somewhat lower or higher frequency, small changes can be made on all 8 resonators, retaining the same 5 MHz BW and 40 dB min. attenuation. For frequencies further away from the tuning range center, a different resonator combination may be needed. We supply tuning instructions for the low end and the high end of the tuning range as well as the one for the mid band. For frequencies between the mid band and the lower or higher end, we recommend using the resonator combination closest to the desired new notch frequency. The temperature specification applies at 925 MHz \pm 2.5 MHz, and stability decreases away from the center towards both ends of the tuning range.

Four Network Analyzer Curves are supplied with each filter - as described above.

Specifications	Model No. WRCT 890/960-5/40-8...	Add connector code (SS or EE) and option code (K or SD)	
Tuning Range:	890 to 960 MHz		
Passband Loss:	1.0 dB max. DC to 2400 MHz - except 2.5 dB max. at Fo \pm 5 MHz at notch corners		
Return Loss (50 Ω):	14 dB min. = VSWR 1.5 : 1 max.		
Reject attenuation:	40 dB min. at Fo (925 MHz) \pm 2.5 MHz		
Oper. Temperature:	+15°C to +40°C		
Connector Code:	SMA-female = SS or N-female = EE - both connectors on <u>one</u> 107 x 120 mm surface		
Options Code:	Filters with tuning knobs = K - Filters with slots for screwdriver tuning = SD		
Mounting Provision:	4 x M4 threaded holes each on all sides - see drawing UMP-1 (Website)		
Dimensions:	107 mm high (plus tuning knobs) x 120 x 240 mm (plus connectors)		
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.	€ 1.954,-	<u>Will be quoted.</u>
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.