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**10 Resonator  
Cavity Design  
WRCT Series**

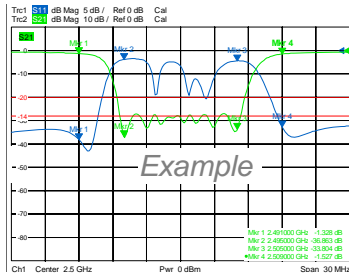
# Tunable Band Reject Filter

**2500 to 2700 MHz**

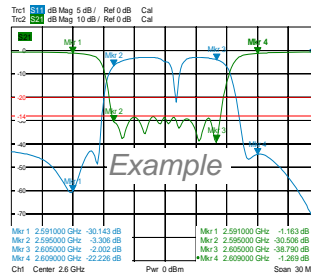
**10 MHz Reject Bandwidth**

**Model Number  
WRCT 2500/2700-  
10/20-10.....**

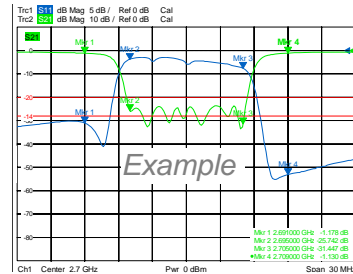
(add codes - see below)



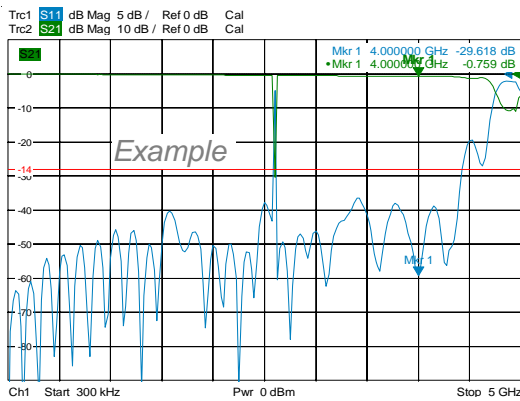
**Tuned to the low end**



**Tuned to 2600 MHz**

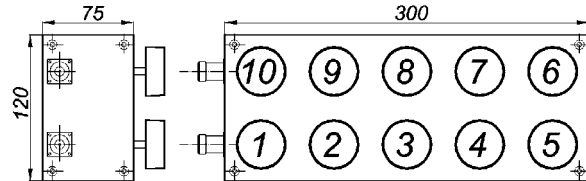


**Tuned to the high end**



**approx. Weight:  
4.8 kg (10.6 lbs.)**

**Available with Tuning Knobs  
or Screwdriver Tunable**



The filter will be delivered with the resonators tuned to produce at least 20 dB attenuation at 2600 MHz ± 5 MHz. Each resonator has a number (1 to 10). 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 10 resonators, retaining the same 10 MHz BW and 20 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 2600 MHz ± 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 - three as described above and one covering DC to 4000 MHz. -

Specifications	Mod. No. WRCT 2500/2700-10/20-10...	Add connector code (SS or EE) and option code (K or SD)
<b>Tuning Range:</b>	2500 to 2700 MHz	
<b>Passband Loss:</b>	1.5 dB max. DC to 4000 MHz - except 2.5 dB max. at Fo ± 9 MHz at notch corners	
<b>Return Loss (50 Ω):</b>	14 dB min. = VSWR 1.5 : 1 max.	
<b>Reject attenuation:</b>	20 dB min. at Fo (2600 MHz) ± 5 MHz	
<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> 75 x 120 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 <a href="#">UMP-1</a> (Website)	
<b>Dimensions:</b>	75 mm high (plus tuning knobs) x 120 x 300 mm (plus connectors)	
Price Basis: see Ord.Inf., Terms, Warranty	<b>PRICES:</b>	<b>US-\$:</b>
	<b>Euro:</b> Price based on shipment ex factory	Price includes shipping, import Charges and customs duty. *
When purchasing	1 - 4 pcs. <b>€2.209,-</b>	<b>Will be quoted.</b>
<b>Test Sheet with Analyzer Curves supplied.</b>		
* 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.