



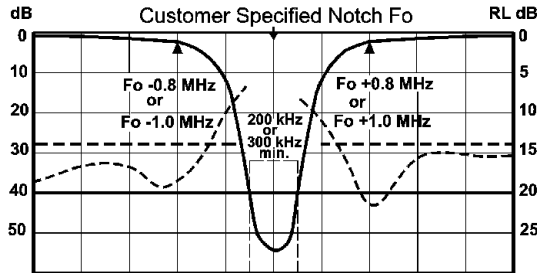
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5 Resonator
Ultra Stable Cavity Design
WRCT Series

Notch Filter (Fixed Frequency)
 with customer specified Notch Fo
 between 800 & 960 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 ± 100 or ± 150 kHz by 30 or 40 dB min.

The notch frequency can be re-adjusted using a screwdriver and with the help of a network analyzer. Within $\pm 1\%$ of Fo there will be little change of the notch shape.

**Very Flat Passband
from DC to 2200 MHz**



Approx. Weight:
3 kg (6.6 lbs.)

Specifications	
Notch Fo:	<u>Specify</u> Notch Fo between 800 and 960 MHz
Notch Attenuation:	<u>Choose</u> 30 dB or 40 dB min.
Passband Loss:	1 dB max. DC to 2200 MHz (except at notch corners)
Passband Loss at Notch Corners	
if Notch Attenuation is 30 dB:	2.5 dB max. at $F_o \pm 0.8$ MHz - BW $F_o \pm 100$ kHz or: 2.5 dB max. at $F_o \pm 1.0$ MHz - BW $F_o \pm 150$ kHz
if Notch Attenuation is 40 dB:	3.0 dB max. at $F_o \pm 0.8$ MHz - BW $F_o \pm 100$ kHz or: 3.0 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:	107 mm high x 60 x 300 mm <u>Approx. Weight:</u> 3 kg (6.6 lbs) plus connectors
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 800 and 960 MHz	<u>Choose</u> BW 0.2 or 0.3 MHz
<u>Choose</u> 30 or 40 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 890-0.2/30-5SS	
WRCT 910-0.2/40-5EE	
WRCT 920-0.3/40-5EE	
WRCT <u> </u> - <u> </u> / <u> </u> - <u> </u> 5	
Prices: When purchasing 1 – 4 pcs.	Euro: €1.017,--
	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.