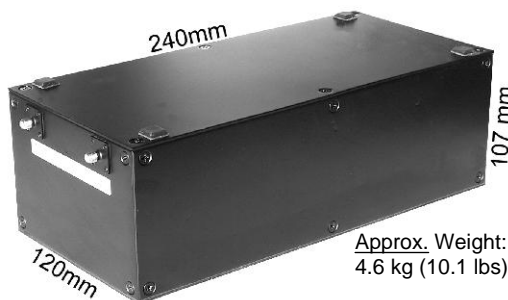
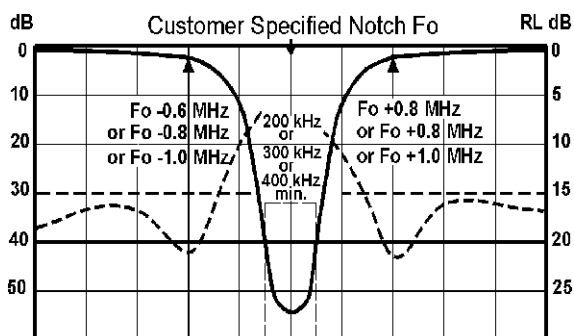




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8 Resonator **Notch Filter** (Fixed Frequency) **Model Number**
Ultra Stable Cavity Design *with customer specified Notch Fo* *to be specified*
WRCT Series *between 800 & 960 MHz* *(see below)*



At the **customer specified** notch center frequency RF power is suppressed over a notch band width of ± 100 kHz, ± 150 kHz or ± 200 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 2200
MHz**

Specifications	
Notch Fo:	<u>Specify</u> Notch Fo between 800 and 960 MHz
Notch Attenuation:	<u>Choose</u> 30 dB, 40 dB or 50 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:	2.00 dB max. at $F_o \pm 0.6$ MHz - BW $F_o \pm 100$ kHz or: 2.00 dB max. at $F_o \pm 0.8$ MHz - BW $F_o \pm 150$ kHz or: 2.00 dB max. at $F_o \pm 1.0$ MHz - BW $F_o \pm 200$ kHz
if Notch Attenuation is 40 dB:	2.75 dB max. at $F_o \pm 0.6$ MHz - BW $F_o \pm 100$ kHz or: 2.75 dB max. at $F_o \pm 0.8$ MHz - BW $F_o \pm 150$ kHz or: 2.75 dB max. at $F_o \pm 1.0$ MHz - BW $F_o \pm 200$ kHz
if Notch Attenuation is 50 dB:	3.50 dB max. at $F_o \pm 0.6$ MHz - BW $F_o \pm 100$ kHz or: 3.50 dB max. at $F_o \pm 0.8$ MHz - BW $F_o \pm 150$ kHz or: 3.50 dB max. at $F_o \pm 1.0$ MHz - BW $F_o \pm 200$ kHz
Return Loss (50Ω) in Passband:	15 dB min. = VSWR 1.43 : 1 max.
Operating Temperature:	+15°C to +40°C
Dimensions and approx. Weight:	107 mm high x 120 x 240 mm <u>Approx.</u> Weight: 4.6 kg (10.1 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, 0.3 or 0.4 MHz (min.)
<u>Choose</u> 30, 40 or 50 dB Notch Atten.	<u>Fixed</u> No. of Resonators
<u>Choose</u> Connectors: EE = N-female SS = SMA-female	<u>Examples of Model Number</u> WRCT 890-0.2/30-8SS WRCT 920-0.2/40-8SS WRCT 930-0.4/50-8EE
WRCT _____ - _____ / _____ - 8 _____	
Prices: When purchasing 1 – 4 pcs.	Euro: €1.594,--
	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.	
Delivery Time: normally 4 to 6 weeks - depending on work load in the factory at time of order.	