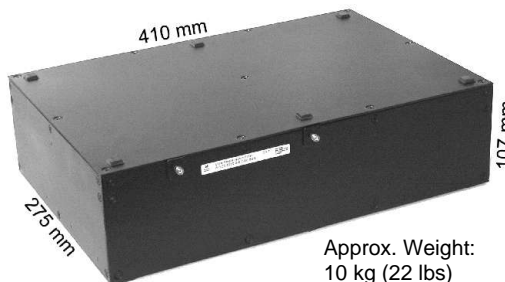
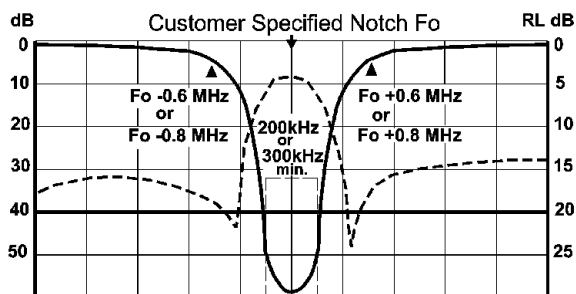




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6 Resonator **Notch Filter** (Fixed Frequency) **Model Number**
Ultra Stable Cavity Design *with customer specified Notch Fo* *to be specified*
WRCA Series **between 890 & 960 MHz** **(see below)**



At the **customer specified** notch center frequency RF power is suppressed over a notch band width of ± 100 kHz or ± 150 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 2000 MHz**

The notch filter line was developed for use in the production of transmitters. For such applications a very narrow and stable notch shape is required.

Specifications	
Notch Fo :	Specify Notch Fo between 890 and 960 MHz
Notch Attenuation:	Choose 30 dB, 40 dB or 50 dB min.
Passband Loss:	1.0 dB max. DC to 2000 MHz (except at notch corners)
Passband Loss at Notch Corners	
if Notch Attenuation is 30 dB:	1.5 dB max. at $F_o \pm 0.6$ MHz - BW $F_o \pm 100$ kHz or: 1.5 dB max. at $F_o \pm 0.8$ MHz - BW $F_o \pm 150$ kHz
if Notch Attenuation is 40 dB:	2.0 dB max. at $F_o \pm 0.6$ MHz - BW $F_o \pm 100$ kHz or: 2.0 dB max. at $F_o \pm 0.8$ MHz - BW $F_o \pm 150$ kHz
if Notch Attenuation is 50 dB:	3.0 dB max. at $F_o \pm 0.6$ MHz - BW $F_o \pm 100$ kHz or: 3.0 dB max. at $F_o \pm 0.8$ MHz - BW $F_o \pm 150$ kHz
Return Loss (50Ω) in Passband:	14 dB min. (17 dB typical) = VSWR 1.5 : 1 max. (1.33 : 1 max. typical)
Operating Temperature:	+15°C to +40°C
Dimensions and approx. Weight:	107 mm high x 275 x 410 mm <u>Approx. Weight:</u> 10 kg (22 lbs) plus connectors
Mounting Provision:	4 x M4 threaded holes each on all sides - see drawing UMP-1 (Website)
Determining the Model Number:	
Specify Notch Fo between 890 and 960 MHz	Choose BW 0.2 or 0.3 MHz
Choose 30, 40 or 50dB (min.) Notch Attenuation	Fixed No. of Resonators
Choose Connectors: EE = N-female SS = SMA-female	Examples of Model Number
WRCA _____ - _____ / _____ - 6 _____	WRCA 890-0.2/30-6SS WRCA 910-0.2/40-6EE WRCA 930-0.3/50-6EE
Prices: When purchasing 1 – 4 pcs.	Euro: €1.555,--
	US-\$*): <u>Will be quoted.</u>
Delivery Terms: FCA Andechs-Frieding (free carrier) according to Incoterms 2000 . Regarding payment terms and Warranty see Terms and Conditions . In Deutschland liefern wir frachtfrei gemäß CPT Incoterms 2000 (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.