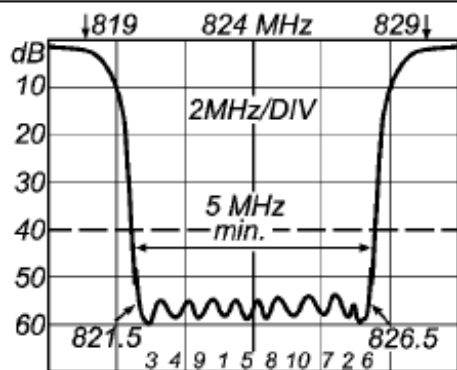
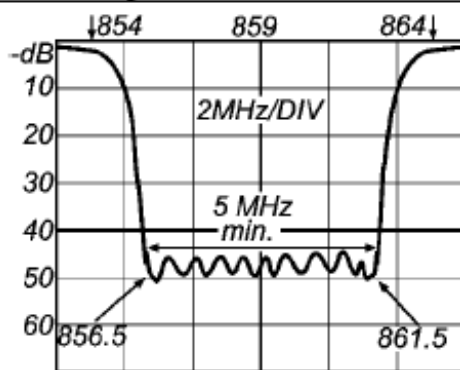


WRCT824.894-5.40-8SS

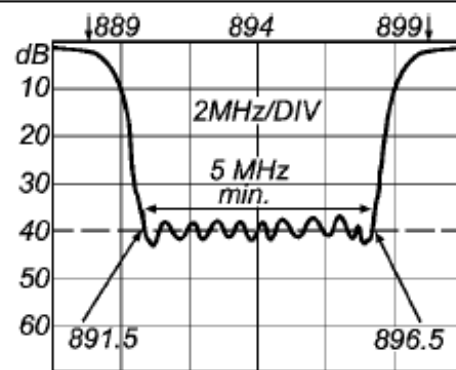
8 Resonator Tunable Band Reject Filter
Cavity Design
WRCT Series
824 to 894 MHz
5 MHz Reject Bandwidth
Model Number
WRCT 824/894-5/40-8....
(add codes - see below)



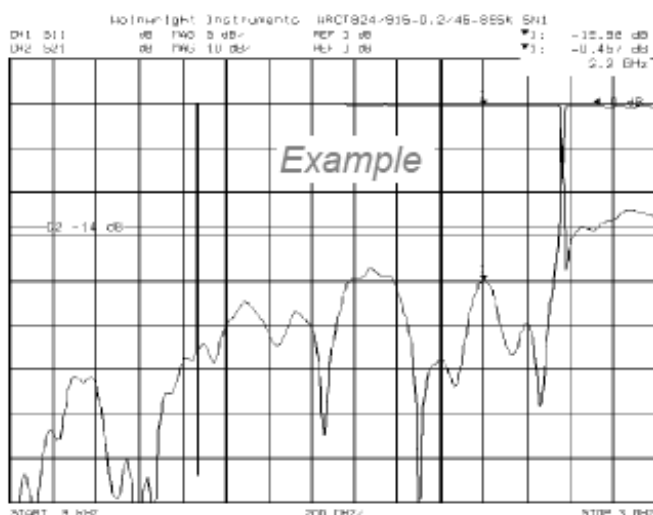
Tuned to the low end



Tuned to 859 MHz



Tuned to the high end

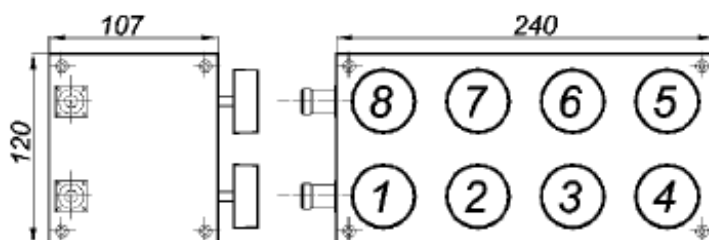


Example



approx. Weight:
5.0 kg (11 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 859 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 859 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 - three as described above and one covering DC to 2200 MHz.

Specifications	Model No. WRCT 824/894-5/40-8...	Add connector code (SS or EE) and option code (K or SD)
Tuning Range:	824 to 894 MHz	
Passband Loss:	1.2 dB max. DC to 2200 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 (859 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)	