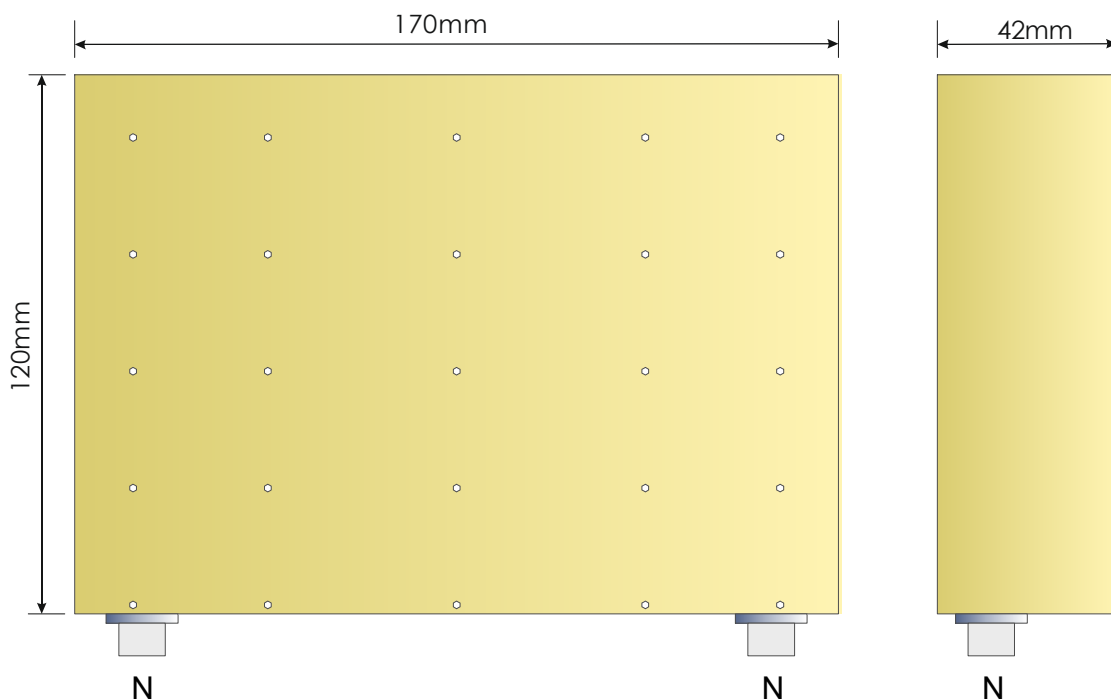




FM-4R TUNING

The necessary test instruments to set the cavity filter into the working frequency are: NETWORK ANALIZER (suggested to obtain perfect result); Spectrum Analyzer + Tracking Generator + directional coupler (in alternative to the first mentioned if it is not available)

The first and most important measurement is the **RETURN LOSS**. The second measurement is the Loss of the cavity.

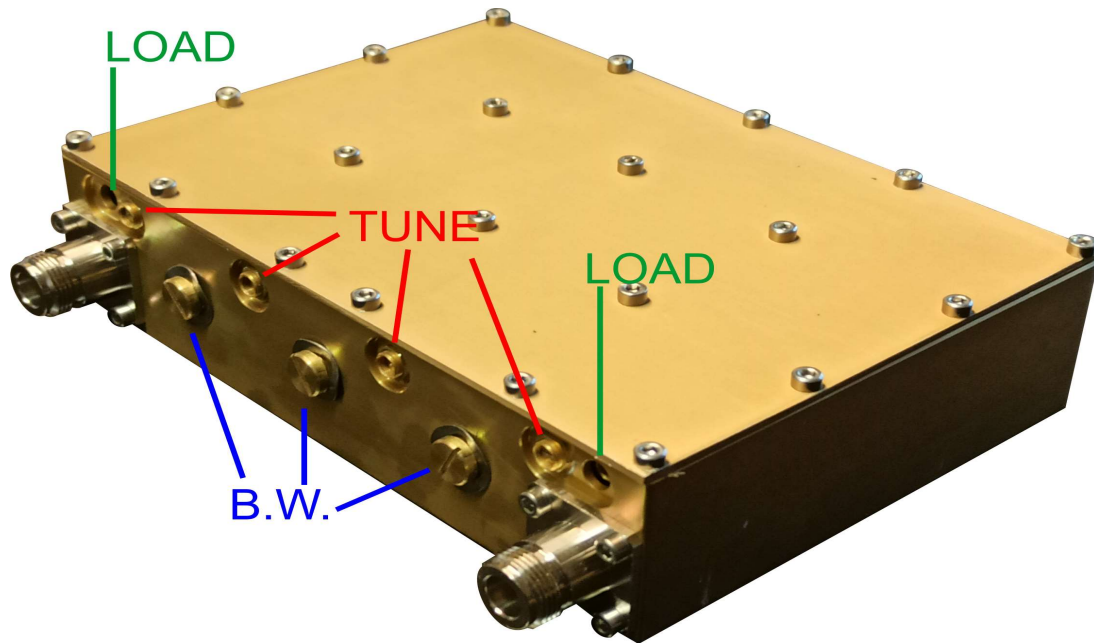


The frequency range of the test instrument will be 5 or 6 Mhz.

The four capacitive trimmers “TUNE” indicated in RED, adjust the working frequency.

The three big screws “B.W.” indicated in BLU, adjust the selectivity of the filter .
The two capacitive trimmers “LOAD” indicated in GREEN, adjust the correct impedance In/Out

After the adjustment of the B.W. commands or "Load adjust" is necessary re-adjust the "TUNE" trimmers for the correct working frequency.



The correct adjustment will be obtained when the return loss is about -15 to -25 db and the pass attenuation from -2.5 to -5 dB.

