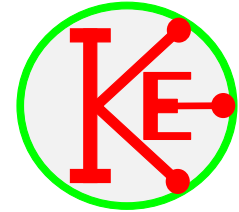


Tuning control panel.

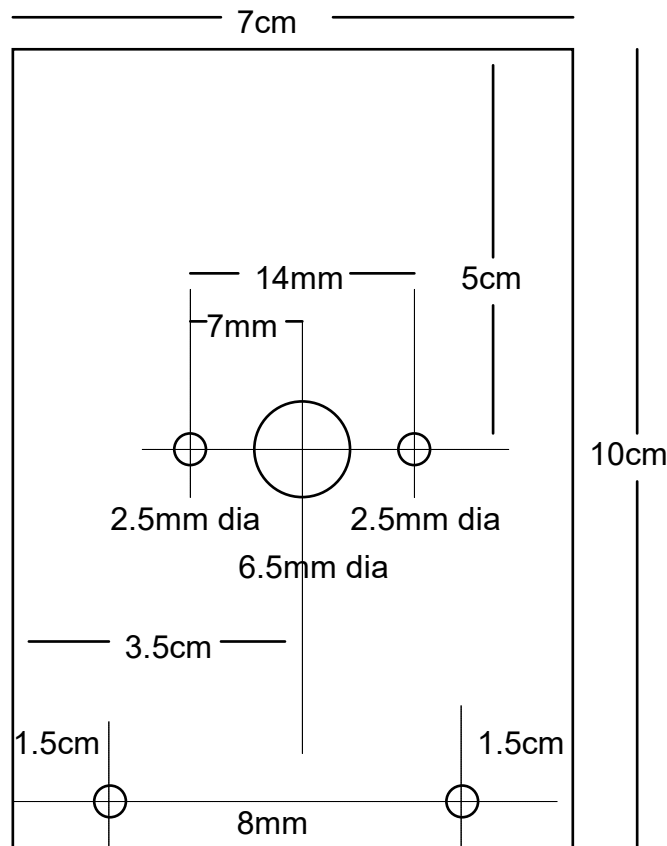


Specification

200pF variable capacitor (e.g. Rapid Electronics 12-0256)
 A scale marked 0 to 100 for calibration.

This panel together with various coils and the band switching panel, forms the radio subsystem. The panel was made from a piece of hardboard 10cm × 7cm and screwed to the front of the baseboard 7cm from the right hand end. (This is to allow space for the band switching and attenuator control panels.)

The diagram below shows the holes for the tuning capacitor in the middle of the panel. (This is NOT drawn to scale.)



The tuning capacitor consists of two variable capacitors and two 'trimmer' capacitors. With the trimmer capacitors set to minimum, the variable capacitors values are:-
 5.4 - 148.5pf and 4.2 - 63.3pF.

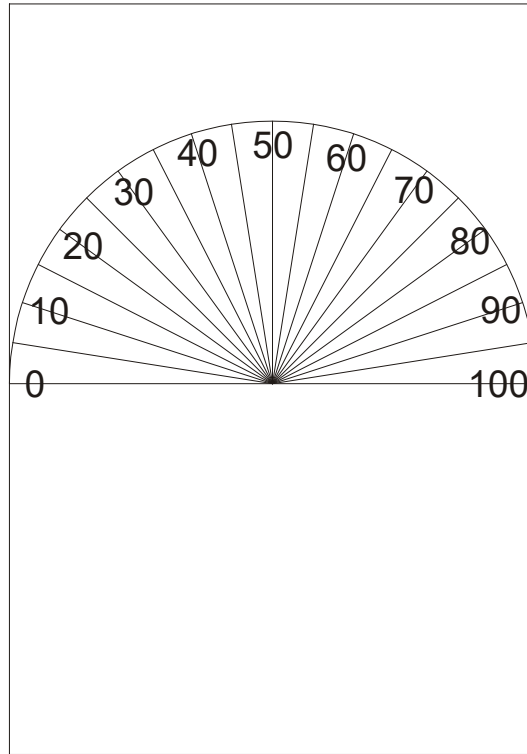
These are connected in parallel to give a tuning capacitor of 9.6 - 211.8pF.

The common/shaft connection should be joined with a piece of wire to a solder tag which is placed behind the panel and which will make a connection to the aluminium foil when the panel is screwed onto the baseboard

The tuning capacitor is secured with two 2.5mm screws. The screws should not be too long or they will stop the tuning capacitor from rotating. (6mm if using standard hardboard for the panel.)

Tuning panel scale

This is shown full size and when printed, can be stuck onto the hardboard panel with Pritt-stick type glue. It is worth covering it with plastic film to prevent it becoming damaged or stained.



Rear of tuning panel

