

FT200 100kHz Oscillator PCB (PB 1068)

The jpg is a direct copy of the original PB1068 Oscillator board taken from photographs of the original board. The copyright still rests with Yaesu Musen, and therefore no commercial use of it is permitted.

The board was re-drawn so that a calibrator for an FRG7 could be made using old components. The idea was that it should look like it was originally provided.

The circuit diagram and parts list are available in the FT200 Service/Operation manual.

Note the following:

- the board is an *unmodified* copy of Yaesu's original.
- the component spacing is for the *original* 1970's components. Modern components will need different hole drilling.
- The nearest modern preferred values may be used.
- most of the original capacitors were moulded mica, except C302 and C304 which are ceramic.
- the crystal may not now be easy to source.
- the tracks feeding the crystal holder will need custom drilling.
- the fixing holes are M3, and 43mm centre to centre.
- D301 is a germanium diode, 1N60 etc should be OK.

Calibration is by adjustment of TC301. Measurement should be made against any trusted source, e.g. a frequency counter, or even zero beating against WWV. When used with an FRG7, take care to avoid confusion with the 1MHz internally generated signal that appears at either end of the tuning range.

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