

DV57 - Heil Oscillator 3 cm



- Click on the image to enlarge.

No data available for this extremely rare Heil oscillator. The label tied to the bulb states that DV57 is the 3 cm (X-band) version of [DV55 / CV230](#). Unfortunately this information does not help, since no data could be found about CV230. Heil oscillators were made by British STC but they never listed any X-band device. Almost certainly developed around 1941 as experimental local oscillator for 3 cm radar receivers. At the time and until the end of 1941, the reflex klystron developed as local oscillator for the S-Band by Robert Sutton was quite critical and required a resonator voltage of about 1700 V. No wonder then that Heil oscillators were experimented especially for airborne applications, due to their much lower operating voltage, in the order of few hundreds of volts.

This sample arrived in a box also containing a sample of [DV55 / CV230](#) and a sample of [DV27](#). The last one was recycled in Great Britain in secret experiments on FM radar jammers during WWII.

The tube is 105 mm high and looks unused.