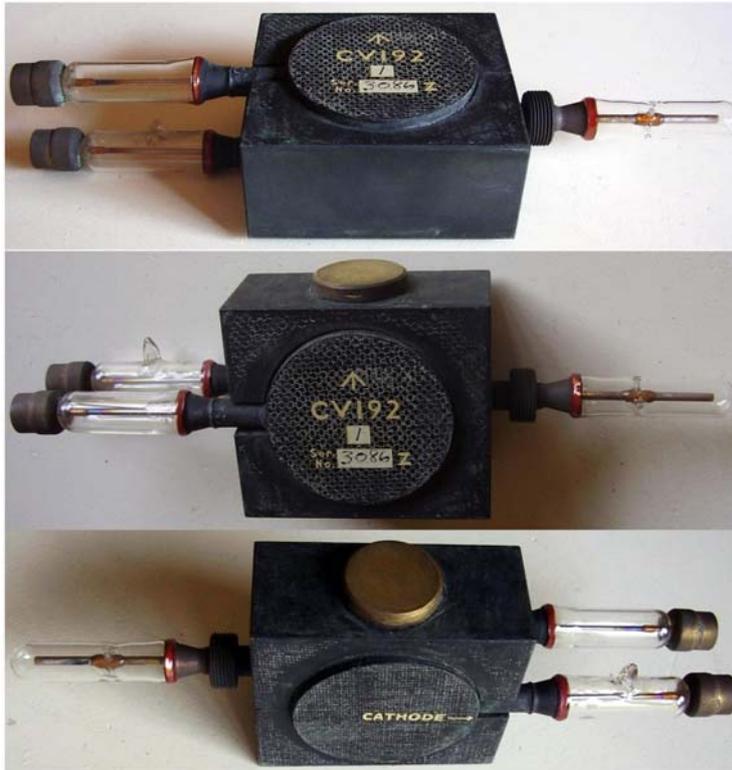


CV192 - High-Power S-Band Magnetron



CV192 was a high-power variant of [CV64](#), designed to be used in a pressurized variant of H2S airborne radar. The magnetron was conduction-cooled through the polished bottom side of the heavy copper body. Actually it is a rare example of such a device cooled by conduction. About 1.2 kg.

225 kW typical pulse power at 3.300 MHz nominal frequency. 23 amps at 21.5 kV input peak pulses. Driven by Modulator Type 158, using the [CV125](#) trigatron spark gap to generate pulses.

6 volts at 1.25 amps heater. [Spec sheet for CV192.](#)



Below, construction details of the CV192. Quite interesting the handcrafted glass spacers, which firmly hold the output probe, preventing harmful vibrations.

