

CV160 - S-Band Pulse Magnetron



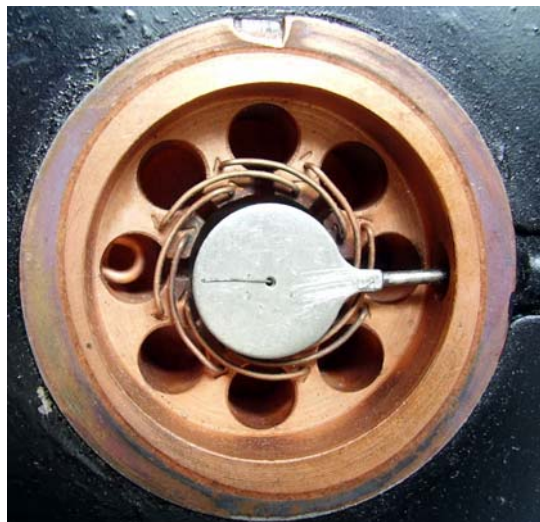
- Click on image to enlarge

S-band strapped magnetron. One of the few British magnetrons provided with glass boot supporting heater and cathode connections. Coaxial output, external magnet. The tube was developed early in 1944 for use in high-power ground radar, being capable of handling up to 1 MW input pulses.

3000 to 3125 MHz operating frequency. 22.5 kV at 22.5 A typical input pulses, 2050 gauss magnetic field, 200 kW peak output pulses.

Heater operates at 6 volts, 1.25 amps.

[CV160](#) spec sheet.



Close-up view of the echelon strapping used in CV160 magnetron to prevent oscillations in other than π mode.