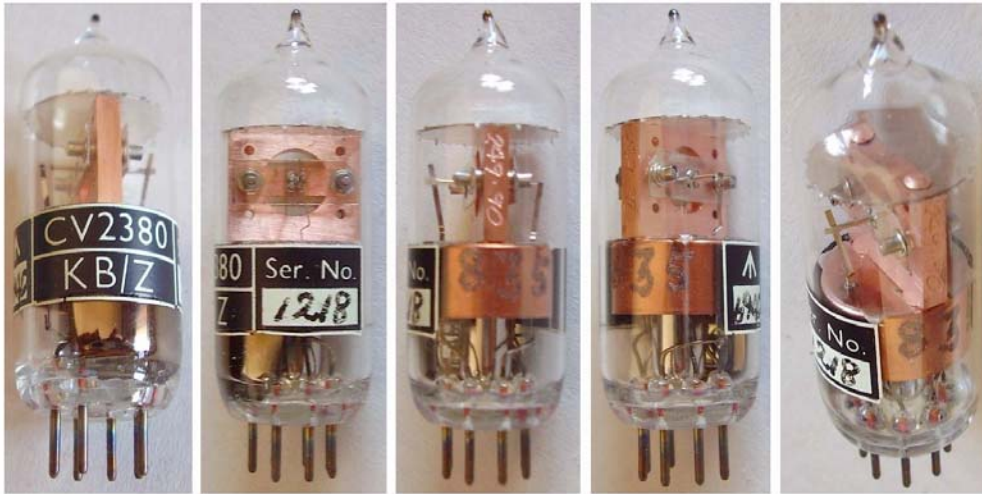


CV2380 – X-Band Pulse Magnetron



Miniature low-power pulse magnetron.

- 9400MHz operating frequency.
- 1000V at 100mA pulses, 20mA average.
- 2450 Oe magnetic field.
- 100mW out pulses, 2W max input.
- 6.3V, 0.2A heater.
- Intended for use inside a waveguide resonator.

CV2380 uses spatial harmonic principle to operate at reduced voltage and magnetic field in the X-band. The principle is quite similar to the overtone oscillation in crystal resonators.

[CV2380](#) spec sheet. A comprehensive theoretical treatment of this magnetron can be found in the paper '[SOME PROPERTIES OF MAGNETRONS USING SPATIAL-HARMONIC OPERATION](#)', thanks to Danial Stocks.

More information on magnetrons can be found in the article '[Magnetron Tubes](#)' edited by Emilio Ciardiello.