

## CV22 – Mercury Thyatron, Radar Modulator



Mercury Thyatron, intended for use in radar modulators. Derived from BT45, CV22 used directly heated folded nickel ribbon cathode, with oxides filled into a welded nickel gauze; this design gave a huge increase in the emitting surface. 20KV, 50A pulses.

2.5 volts at 22 amps filament.

CV22 was used since 1941 in radar Type 291, to drive [NT99](#) micropup triodes. Also used in 1942 in radar Type 271Q, to drive the [CV56](#) magnetron; two were used in 1941 in the GL3 system to drive the CV120 magnetron.

[Here the spec sheet for CV22.](#)