

CV8 – Vacuum Diode, TR Switch



Vacuum diode, micropup style, designed to be used as TR switch in coaxial lines. Cathode was supported by the rod from the top glass dome, while heater leads came out from the bottom. Anode is the copper tube in the middle with a brazed C shaped contact ring. It was designed by G.E.C. in 1941 to replace a string of six television diodes connected in parallel in the duplexer of the Naval Type 270B radar, 70 kW at 45 MHz, and in the Type 281B, operating at 90 MHz. Anyway it was never used and was eventually superseded by the more powerful [CV94](#).

450 V peak anode voltage, 30 A peak anode current. 6 V at 4 A heater.

No known use; replaced by gas filled TR switches.

[CV8](#) spec sheet.