

ET51 / CV5277 – Decade Counter, Beam Switching



High-speed decade counter. Beam switch device, also known as ‘Trochotron’. The electron beam is steered with the magnetic field generated by the external magnet from one electrode system to the next. Counting speed up to 1 MHz. Tubes are to be mounted at least 10 cm apart to avoid magnetic interferences.

The British spec CV5277 accepts both the Burroughs [6700](#) and the Philips and Philips related [ET51](#). This should mean that the two types are interchangeable. In the collection there are ET51 samples badged Mullard and ADZAM.

6.3V, 0.3A heater.

[The story and the operation of the ‘trochotron’ beam switching tube can be found in this article.](#)