

MO-10R – High-Speed Beam Switching Counter



The MO-10R/6704 was the high-speed variant of the basic counter MO-10, also known as HB-100 or [6700](#). By moving the spade load resistors inside the tube, the counting speed was raised to above 10 MHz.

Magnetic beam switching tubes were used in high speed applications through the late 1950's and the early 1960's. They were attractive for military because of their intrinsic reliability, since a single tube could replace about one hundred components and the associated assembly and test operations. This type was probably used in the first counting stage of some frequency counters as the 10 MHz Electronic Counter model [LA-80](#), made by Lavoie in the early sixties.

Registered to Burroughs Corporation, Plainfield, New Jersey, on May 29, 1961. Data available in the RMA record [3295](#).

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

