

2J36 – X-Band Pulse Magnetron



X-band pulse magnetron, fixed tuning at 9003 to 9168 MHz. Flanged waveguide. Registered to Raytheon in October 1945, it actually was one of the still unstrapped very early 12 vanes X-band types appeared around the early 1942, even before the Western Electric 725A. It can be considered as a frequency variant of the [2J21](#), intended for use in AN/MPN-1 ground controlled precision approach radar system.

14 kv at 12 amps input, 10 to 12 kW output pulses at 0.001 % duty. A later 2J36A version was rated for 28 kW RF pulses.

6.3 volts at 1.3 amps heater.

Registered to Raytheon only after the war, in October 1945. Data are available in the RMA record [445](#).

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