

2J22 – S-Band Pulsed Magnetron, 1944



S-band fixed-frequency pulse magnetron. Coaxial output, external magnet. Forced-air cooling required. This magnetron is one of the many variants of the early multi-cavity strapped S-band types developed in U.S. during WWII. The specific family includes the frequency variants from 2J22 to 2J29. It is characterized by the glass booth on the heater glass fed-throughs and by the position of the coaxial output, rotated 90 degrees with respect to the British magnetrons.

22 kV at 30 A input pulse. 265 kW pulse output at 3300MHz \pm 33MHz.

Heater 6.3V at 1.5A.

Registered to Raytheon in May 1944 as per RMA record [366](#).

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