

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 spacers and by the position of the coaxial output.

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.