

## 4J35 – S-Band Magnetron



External magnet, coaxial output high-power pulsed magnetron. Forced air cooling required.

16 V at 3.1 A heater.

Typical operation at 2700 Gauss: 1200 W average input power. Output 750 kW peak with 1  $\mu$ s pulses, requiring 26.3 kV at 50A input, 400 pps repetition rate.

4J35 operates at 2.70 to 2.74 GHz; 4J34 to 4J31 cover from 2.74 up to 2.9 GHz.

Data available in the [RMA record 445](#), registered to Raytheon in October 1945. 4J35 is also approved as CV1898.

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