

2J27 Magnetron, Pulse S-Band



2J27 is a fixed frequency S-band magnetron with coaxial output and external magnet. 2J27 oscillates at 2978 +/-13.5MHz. The family comprises 8 models, from 2J22 to 2J29, with tuning frequencies from 3300 down to 2926.5MHz. All registered to Raytheon in November 1945

Heater 6.3V, 1.5A.

Typical operating conditions: 20 kV at 30 A, 1 μ s input pulses; 265 kW out; or low-voltage operation, 10.5 kV, 12.5 A, 1 μ s input, 55 kW output. Forced air cooling required.

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.