

2J61A – S-Band Tunable Magnetron



S-band tunable magnetron introduced by Raytheon. Forced air cooled. External magnet, coaxial out.

Typical operating conditions:

- 2950 to 3105 MHz. tuning range
- 6.3 V at 1.5 A heater
- 10.7 kv at 12.5 amps input pulses
- 35 kw peak output power
- 60 watts average at 0.002 duty.

Intended to replace a group of 706, fixed frequency family, [706AY](#) to 706DY.

Original datasheet available in the [RMA 0445](#) record.

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