

2J61A – S-Band Tunable Magnetron



S-band tunable magnetron introduced by Raytheon. Forced air cooled. External magnet, coaxial out. Tunes from 2950 to 3105 MHz.

6.3 V at 1.5 A heater.

Typical operating conditions: 10.7 kv at 12.5 amps input pulses, 35 kw peak output power or 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.