3J22 / SD849B – Magnetron, Army Developmental

- Click on the image to enlarge.

RMA special-purpose code assigned to the Sylvania developmental SD849B. Interdigital anode structure. Anode to the flat disc, output flange to the threaded disc. External cavity and magnet. Intended for pulsed operation up to 4 µs pulse duration and up to 25.000 pps repetition rate.

- **6.3 volts at 1.5 amps starting voltage: must be reduced when oscillating.**
- **1850 volts at 0.6 amps peak anode voltage, 60 mA average anode current.**
- **80 W peak otput power.**
- **1050 to 1100 gauss**
- **4.300 to 4.950 MHz operating frequency, depending upon the tuning of the external cavity.**

Registered to Sylvania September 16, 1946. **RMA release 520** which includes data.

More information on magnetrons can be found in the article **'Magnetron Tubes'** edited by Emilio Ciardiello.