

Reservation No. _____

Registration No. _____

Reservation Date _____

Registration Date _____

Type 721-B

Gas Switching Tube

General Characteristics

Electrical

| | |
|------------------------|----------------|
| Frequency Range | 2800-3330 Mc. |
| Intrinsic Q | 2500 (min.) |
| Ignitor Current | 85 uAdc |
| Recovery Time (Note 1) | 7 usecs (max.) |

Note 1: Recovery time measured as follows:

F=2800 to 3330 Mc; magnetron Po=50 Kv; pulse
rate = 1000 pps; tp=1.0 usec (R-F); SWR=1.2 (mag. load)

Mechanical

| | |
|------------------------|-----------------------|
| Ionizable Medium | Hydrogen |
| Number of Electrodes | Three |
| Maximum Overall Height | (See Outline Drawing) |
| Maximum Diameter | " " " |
| Bulb | " " " |
| Mounting Position | any |

Maximum Ratings

| | |
|----------------------|-------------------|
| Peak Dissipation | 100 watts |
| Average Dissipation | 1 watt |
| Ionization Current | 200 uAdc |
| Ignitor Open Circuit | -800 to -1000 Vdc |

Note 2: A special disc processing increases life by a factor of 4 - 1 in comparison with the type 721A.

from RMA release # 478, March 20, 1946

Sponsor: Raytheon Manufacturing Company Waltham, Mass.-

TYPE 721B

TECHNICAL INFORMATION GAS SWITCHING TUBE OUTLINE DRAWING

