

# RADIO MANUFACTURERS ASSOCIATION ENGINEERING DEPARTMENT



RMA DATA BUREAU  
90 WEST STREET  
NEW YORK 6, N. Y.

Release No. 571

Type 5594

March 12, 1947

THYRATRON

sponsor:  
Chatham Electronics

## GENERAL CHARACTERISTICS

- (a) Inert Gas
- (b) One

## ELECTRICAL

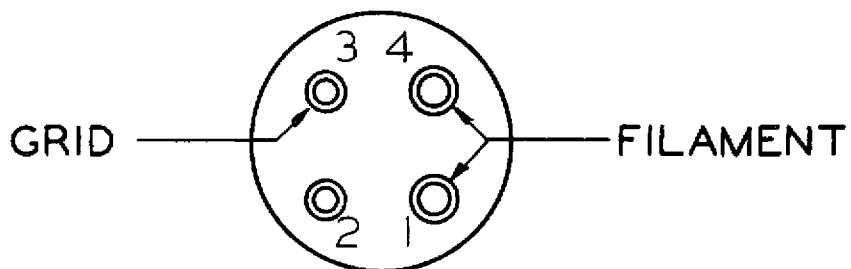
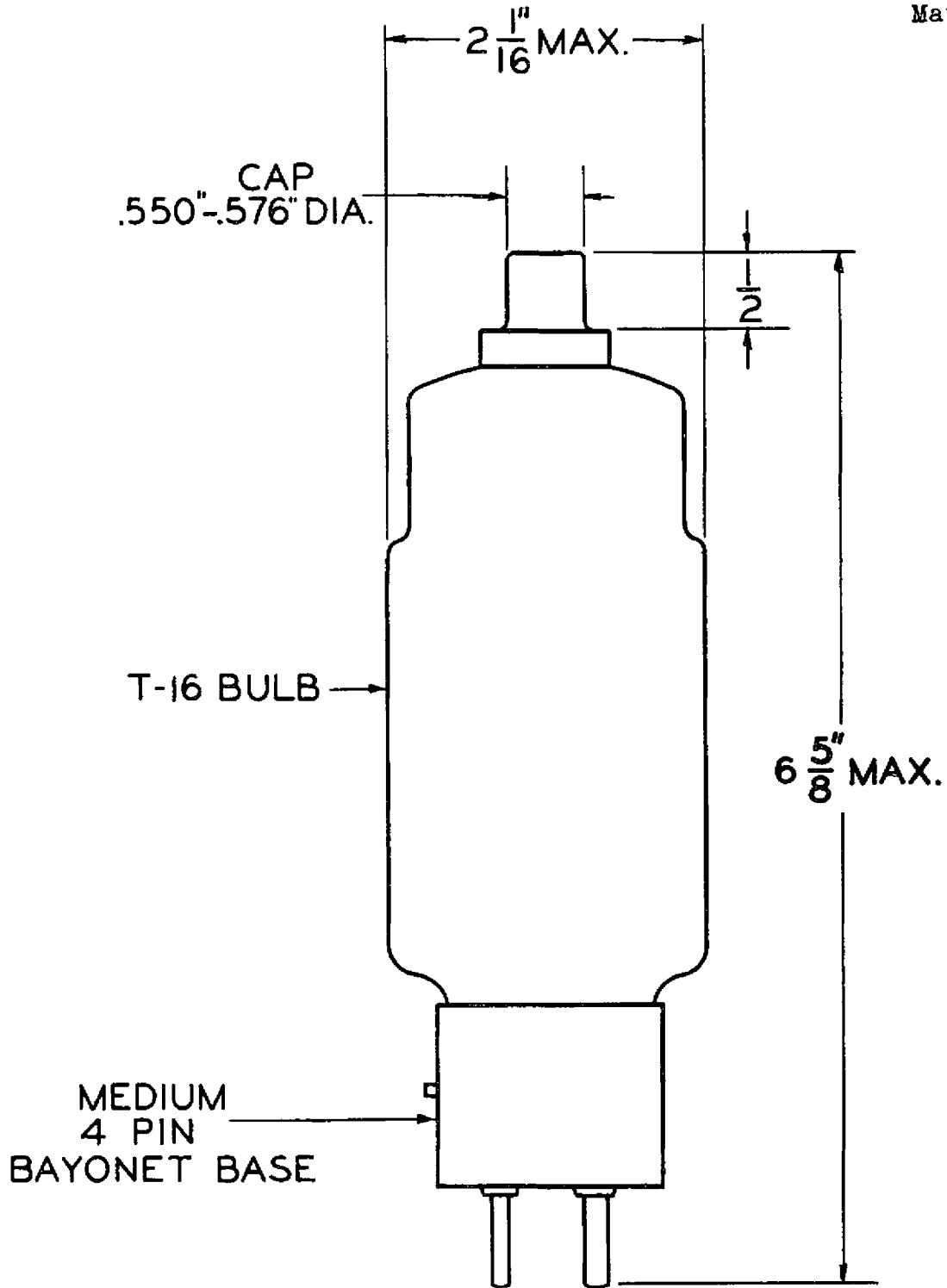
- |   |                        |
|---|------------------------|
| (c) Filament or Cathode                                 | <u>Coated Filament</u> |
| Voltage   | 2.5 Volts              |
| Current   | 5.0 Amps.              |
| Heating Time  | 5.0 Secs.              |
| Approximate Tube Voltage Drop                           | 10 Volts               |
| Approximate Deioniation Time                            | 1000 Micro Secs.       |
| (g) Grid Characteristics with all returns to center tap |                        |
| Critical Grid Voltage at rated voltage                  | -8.0 Volts             |
| "        "        "        at 100 volts                 | -2.25 Volts            |
| Critical Anode Voltage at 1000 volts                    | -6.5 Volts             |

## MECHANICAL

- |                                |                                 |
|--------------------------------|---------------------------------|
| (d) Type of Cooling            | <u>Convection</u>               |
| (e) Temperature Limits         | -75°C to 790°C                  |
| <u>Mounting Position</u>       | <u>Any</u>                      |
| (f) Base                       | Medium 4 pin bayonet base       |
| (f) Cap                        | Medium metal, insulating collar |
| (i) Maximum Overall Dimensions |                                 |
| Length                         | 6 5/8 in.                       |
| Diameter                       | 2 1/16 in.                      |

## MAXIMUM RATINGS

- |                                  |             |
|----------------------------------|-------------|
| Peak Inverse Voltage             | 5,000 Volts |
| Peak Forward Voltage             | 2,500 Volts |
| Peak Anode Current               | 2.0 Amps.   |
| Average Anode Current            | .5 Amps.    |
| Averaging Time for Anode Current | 30 Secs.    |
| Maximum Frequency                | 500 Cycles  |



BOTTOM VIEW OF BASE