

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 |

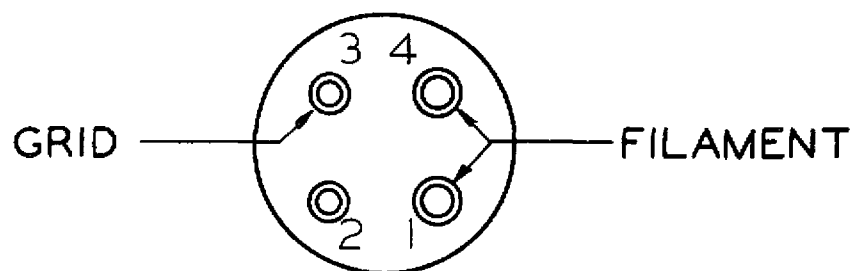
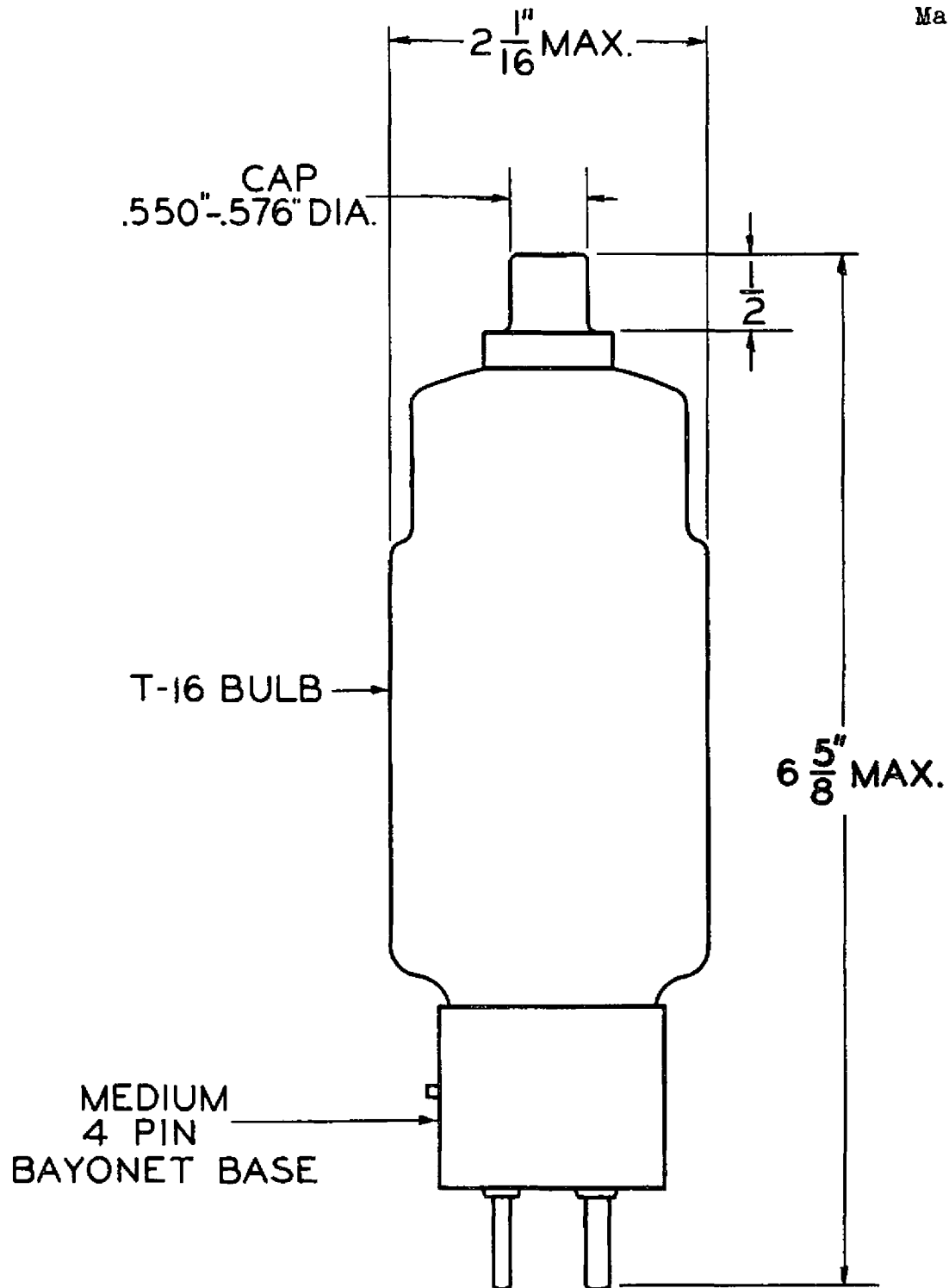
MECHANICAL

- | | |
|--------------------------------|---------------------------------|
| (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 |

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BOTTOM VIEW OF BASE