Type 5594
THYRATRON

GENERAL CHARACTERISTICS

(a) Inert Gas
(b) One

ELECTRICAL

(c) Filament or Cathode
Voltage
Current
Heating Time
Coated Filament
2.5 Volts
5.0 Amps.
5.0 Secs.
Approximate Tube Voltage Drop
10 Volts
Approximate Deionization 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
Convection
-75°C to 70°C
(e) Temperature Limits

Any
Medium 4 pin bayonet base
Medium metal, insulating collar

(f) Base

(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
5594
Release No. 571
March 12, 1947

CAP .550"-.576" DIA.

T-16 BULB

6 5/8" MAX.

MEDIUM 4 PIN BAYONET BASE

GRID

FILAMENT

BOTTOM VIEW OF BASE