

SECURITY CLASSIFICATION
Unclassified

Reservation No. 5528 Registration No. _____
Reservation Date Aug. 20, 1946 Registration Date _____

TYPE 5528

THYRATRON

GENERAL CHARACTERISTICS

- (a) Xenon-filled
- (b) 1 control grid

ELECTRICAL

(c) Filament or Cathode	<u>Oxide coated</u>	
Voltage	<u>2.5</u>	Volts
Current	<u>21</u>	Amps.
Heating Time	<u>60</u>	Sec.
Approximate Tube Voltage Drop	<u>12</u>	Volts
Approximate Deionization Time	<u>*</u>	
(g) Grid Characteristics with all returns to center tap.		
Critical Grid Voltage at rated voltage	<u>-2</u>	Volts
" " " " " " 100 volts	<u>-0.5</u>	Volts
Critical Anode Voltage at 13 volts	<u>75</u>	Volts

MECHANICAL

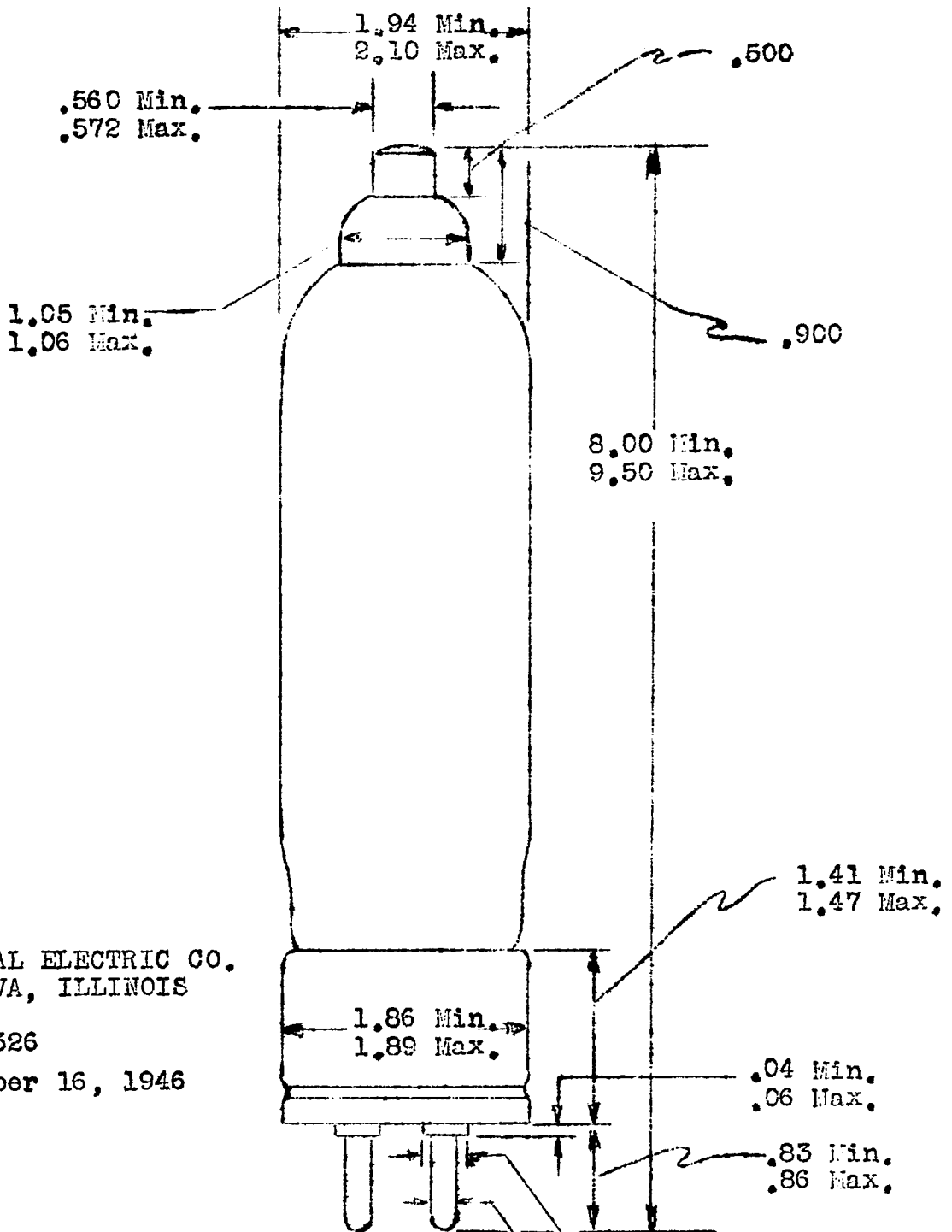
(d) Type of cooling	<u>Convection</u>
(e) Temperature Limits	<u>-50 to 170</u>
Mounting position	<u>Upright, base down</u>
(f) Base	<u>See drawing</u>
(f) Cap	<u>See drawing</u>
(f) Base Connections	<u>See drawing</u>
(i) Maximum Overall Dimensions	
Length	<u>9$\frac{1}{2}$</u> IN.
Diameter	<u>2.1</u> IN.

MAXIMUM RATINGS

Peak Inverse Voltage	<u>500</u>	Volts
Peak Forward Voltage	<u>350</u>	Volts
Peak Anode Current	<u>77</u>	Amps.
Average Anode Current	<u>6.4</u>	Amps.
Averaging Time for Anode Current	<u>15</u>	Sec.

Sponsor CONTINENTAL ELECTRIC COMPANY
Date September 16, 1946 By John H. Hutchings

*Operation should be satisfactory in a half-wave, grid controlled rectifier test at 125 vac, 2900 cps, 5 amps d.c., resistance load.



CONTINENTAL ELECTRIC CO.
GENEVA, ILLINOIS

CE-326

September 16, 1946

