LITTON INDUSTRIES
SAN CARLOS, CALIFORNIA
U.S.A.

Reservation No.
Reservation Date 2-25-47

Manufacturer's Designation L-3000A
Data Bureau Designation 5607

UHF MAGNETRON

General Characteristics

Electrical

(a) Filament or Cathode	Filament	type
Voltage (approx.)	5.6	volts
Current	17.2	amps
Frequency (continuously tuned)	2.5 to 3.55	kMc
Loading	Limited adjustment	

Typical Operation - C.W or Modulated

Field Strength (approx.)	2500	gauss
Anode Voltage	5000	volts
Anode Current (average)	.300	amps
Power Output	800	watts

Mechanical

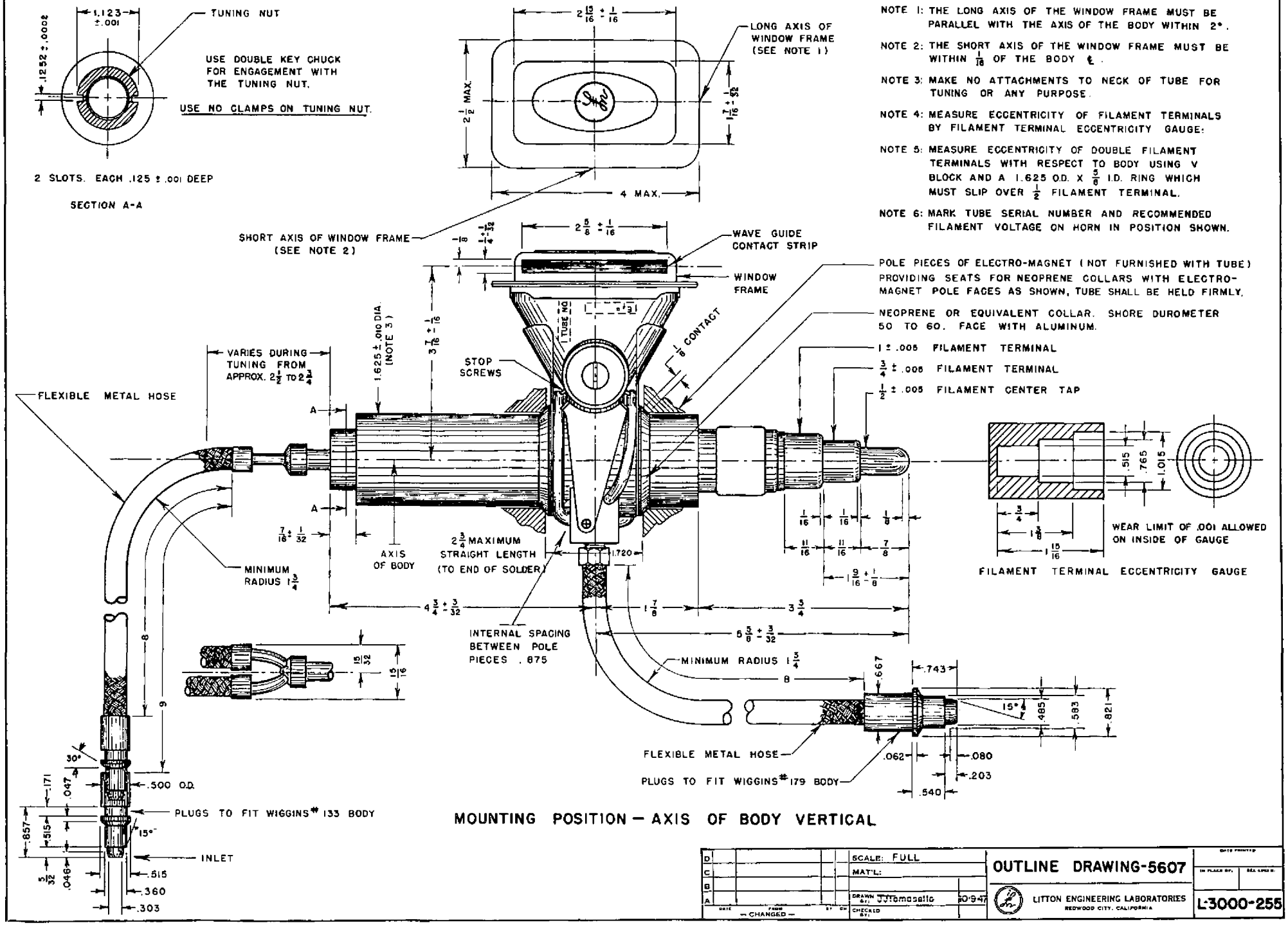
See Outline Drawing

Maximum Ratings

Anode Voltage	6000	volts
Anode Current (Peak)	1.0	amps
Anode Current (Average)	0.4	amps
Anode Dissipation	1000	watts
Anode Temperature	120	°C
Cooling	Water-Air	
Power Output	1000	watts

(a) Thoriated Tungsten

from RMA release # 620, Nov. 25, 1947



NOTE 1: THE LONG AXIS OF THE WINDOW FRAME MUST BE PARALLEL WITH THE AXIS OF THE BODY WITHIN 2°.

NOTE 2: THE SHORT AXIS OF THE WINDOW FRAME MUST BE WITHIN 1/16 OF THE BODY ℄.

NOTE 3: MAKE NO ATTACHMENTS TO NECK OF TUBE FOR TUNING OR ANY PURPOSE.

NOTE 4: MEASURE ECCENTRICITY OF FILAMENT TERMINALS BY FILAMENT TERMINAL ECCENTRICITY GAUGE.

NOTE 5: MEASURE ECCENTRICITY OF DOUBLE FILAMENT TERMINALS WITH RESPECT TO BODY USING V BLOCK AND A 1.625 O.D. X 5/8 I.D. RING WHICH MUST SLIP OVER 1/2 FILAMENT TERMINAL.

NOTE 6: MARK TUBE SERIAL NUMBER AND RECOMMENDED FILAMENT VOLTAGE ON HORN IN POSITION SHOWN.

MOUNTING POSITION — AXIS OF BODY VERTICAL

D		SCALE: FULL	OUTLINE DRAWING-5607
C		MAT'L:	
B		DRAWN BY: JJTomasello 10-9-47	LITTON ENGINEERING LABORATORIES, REDWOOD CITY, CALIFORNIA
A	— CHANGED —	CHECKED BY:	L-3000-255