

DIAMETER 6" NOMINAL

6LY1A

Radar Tube

ELECTROSTATIC FOCUS. MAGNETIC DEFLECTION

6LY1A

DATA

GENERAL:

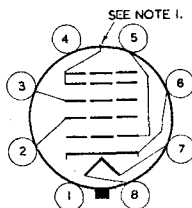
Heater: Voltage	4.0	a.c. or d.c. volts.
Current	1.0	amp.
Direct Inter-electrode Capacitances.		
Modulator to all other electrodes	15 μ f.	
Anode 1 to all other electrodes	15 μ f.	
Cathode to all other electrodes	14 μ f.	
Screen :	Aluminium Backed.	
Fluorescence	Yellow.	
Afterglow	Yellow.	
Persistence of Afterglow	Long.	
Focusing Method	Electrostatic.	
Deflecting Method	Magnetic.	
Overall Length	390 $\pm$ 10 mm.	
Greatest Diameter of Bulb	163 mm.	
Minimum Useful Screen Diameter	135 mm.	
Mounting Position	Any.	
Anode Cap	Recessed Small Ball.	
Base	International Octal.	

Pin 1—No connection.

Pin 2—Anode 1.

Pin 3—Anode 2.

Pin 4—No connection.



Pin 5—Modulator.

Pin 6—Cathode.

Pin 7—Heater.

Pin 8—Heater.

Cap—Final Anode.

Maximum Ratings :

Final Anode Voltage 9000 volts.

Anode 1 Voltage 1650 volts.

Modulator Voltage :

Negative bias value 130 volts.

Positive bias value 0 volts.

Peak Heater-Cathode Voltages :

Heater negative with respect to cathode . . . 125 volts.

Heater positive with respect to cathode . . . 125 volts.

Typical Operating Conditions :

Final Anode Voltage 7000 volts.

Anode 2 Voltage 1075 volts. $\pm$ 100 volts.

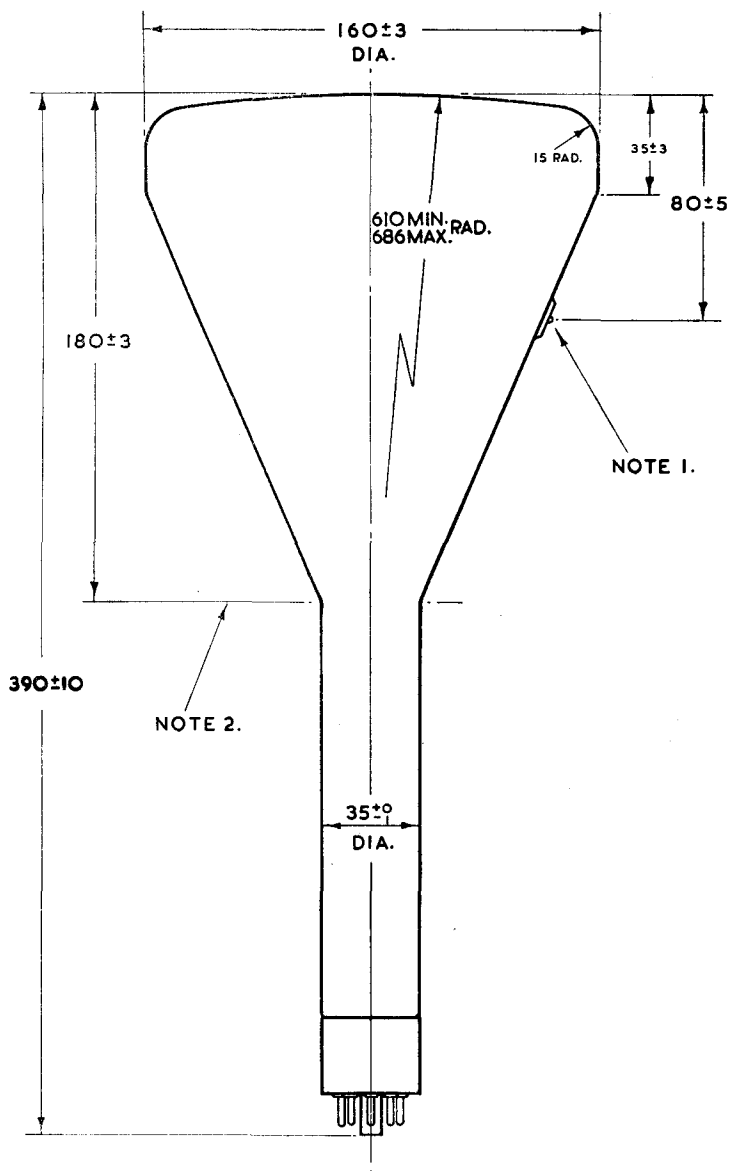
Anode 1 Voltage—See Note 3 1250 volts.

Modulator Voltage for cut-off -45 to -100 volts.

Spot Position See Note 4

Note 3. Anode 1 must always be at least 50 volts positive to Anode 2.

Note 4. The centre of the undeflected focused spot will fall within a circle having a 10 mm. radius concentric with the centre of the tube face.



ALL SIZES IN MILLIMETRES.

Note 1. The plane through the tube axis and the spigot key may vary from the plane through the tube axis and the anode cap by an angular tolerance (measured about the tube axis) of 10° . The anode cap is on the same side of the tube as the spigot key.

Note 2. Reference line is determined by position where a gauge 36 mm. I.D. and 50 mm. long will rest on the bulb cone.