

DIAMETER 15" NOMINAL

I5M06A

Radar Tube

MAGNETIC FOCUS. MAGNETIC DEFLECTION

I5M06A

DATA

GENERAL:

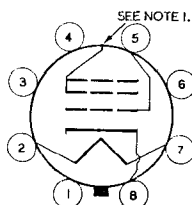
Heater: Voltage	4.0	a.c. or d.c. volts.
Current	1.0	amp.
Direct Inter-electrode Capacitances.		
Modulator to all other electrodes		12.0 μ f.
Cathode to all other electrodes		10.0 μ f.
Screen :		Aluminium Backed.
Fluorescence		Orange.
Afterglow		Orange.
Persistence of Afterglow		Long.
Focusing Method		Magnetic.
Deflecting Method		Magnetic.
Overall Length		582 $\pm$ 7 mm.
Greatest Diameter of Bulb		385 mm.
Minimum Useful Screen Diameter		330 mm.
Mounting Position		Any.
Anode Cap		Cavity Cap BSS448/CT8.
Base		International Octal.

Pin 1—No connection.

Pin 2—Heater.

Pin 3—Pin omitted.

Pin 4—Pin omitted.



Pin 5—Modulator.

Pin 6—Pin omitted.

Pin 7—Heater.

Pin 8—Cathode.

Cap—Anode.

Maximum Ratings :

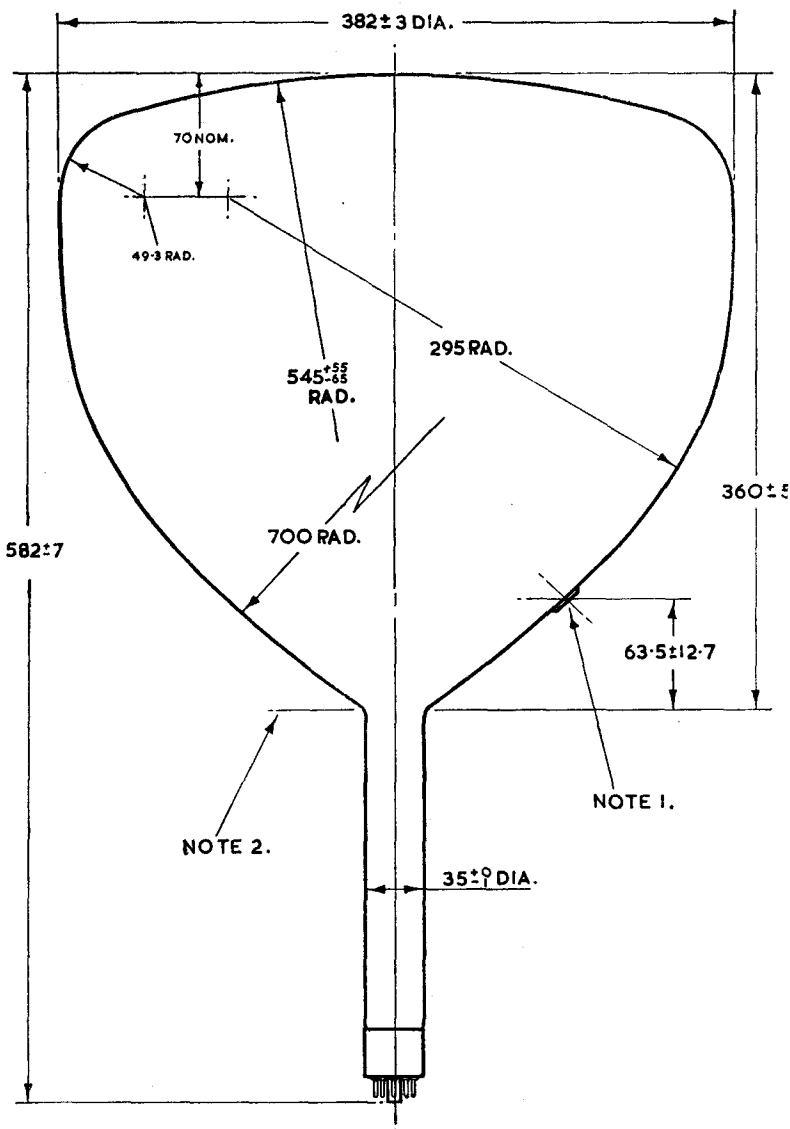
Anode Voltage	11000 volts.
Modulator Voltage :	
Negative bias value	130 volts.
Positive bias value	0 volts.
Peak Heater-Cathode Voltages :	
Heater negative with respect to cathode	125 volts.
Heater positive with respect to cathode	125 volts.

Typical Operating Conditions :

Anode Voltage	10000 volts.
Modulator Voltage for cut-off	-75 to -115 volts.
Focusing-Coil Current—See Note 3	600 A.T.
Spot Position	See Note 4

Note 3. Focusing Coil positioned with centre line of air gap approximately 80 mm. from reference line (see outline drawing).

Note 4. The centre of the undeflected unfocused spot will fall within a circle having 15 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 gauge 36 mm. I.D. and 50 mm. long will rest on the bulb cone.