

I2M06A**Radar Tube**

MAGNETIC FOCUS. MAGNETIC DEFLECTION

DATA

GENERAL:

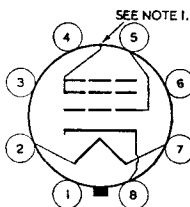
Heater: Voltage	4.0	a.c. or d.c. volts.
Current	1.0	amp.
Direct Inter-electrode Capacitances.		
Modulator to all other electrodes	12.0 μ f.	
Cathode to all other electrodes	10.0 μ f.	
Screen :	Aluminium Backed.	
Fluorescence	Orange.	
Afterglow	Orange.	
Persistence of Afterglow	Long.	
Focusing Method	Magnetic.	
Deflecting Method	Magnetic.	
Overall Length	510 $\pm$ 10 mm.	
Greatest Diameter of Bulb	306.5 mm.	
Minimum Useful Screen Diameter	265 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 :

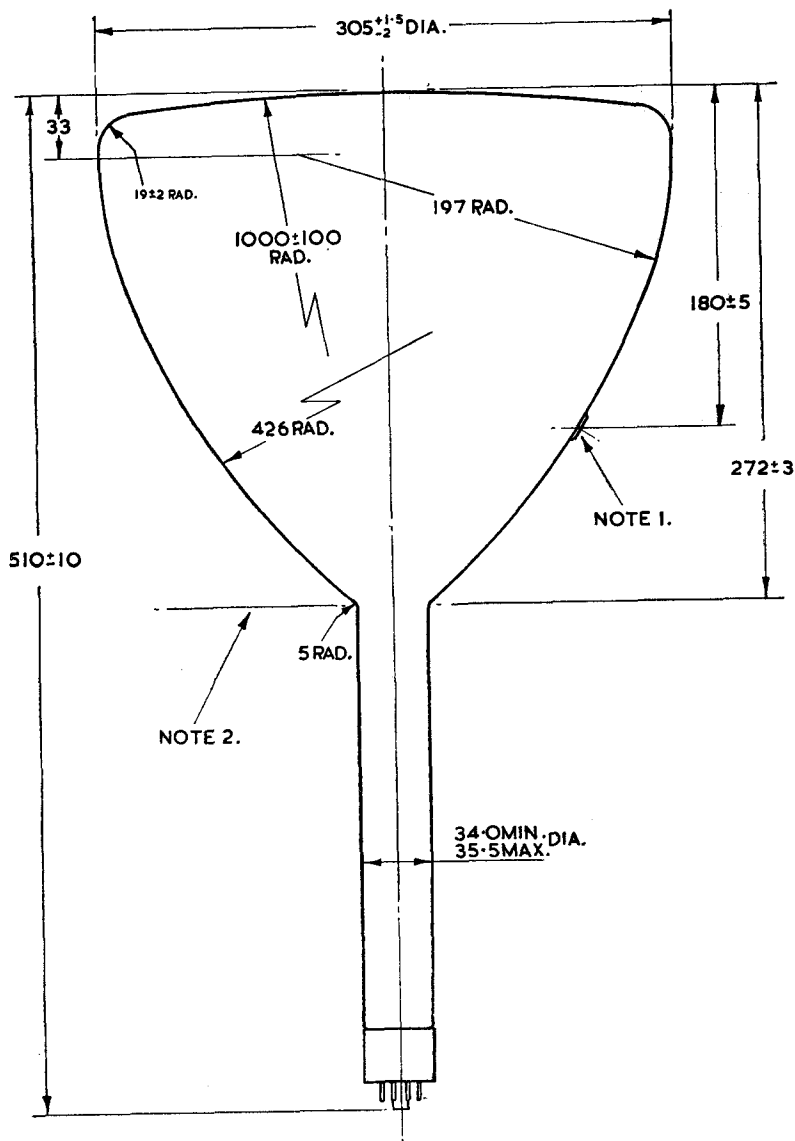
Anode Voltage	11000 volts.
Modulator Voltage :	
Negative bias value	130 volts.
Positive bias value	0 volts.
Peak Heater-Cathode Voltages :	
Heater negative with respect to cathode	125 volts.
Heater positive with respect to cathode	125 volts.

Typical Operating Conditions :

Anode Voltage	10000 volts.
Modulator Voltage for cut-off	-75 to -115 volts.
Focusing-Coil Current—See Note 3	560 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 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.