

6EB5**6EB5**

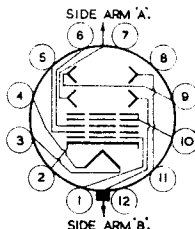
Oscilloscope Tube

ELECTROSTATIC FOCUS. ELECTROSTATIC DEFLECTION

GENERAL:

Heater: Voltage	4.0		a.c. or d.c. volts.
Current	1.0		amp.
Direct Inter-electrode Capacitances.			
Modulator to all other electrodes	25 μ mf.		
Each X Plate to all other electrodes	20 μ mf.		
Each Y Plate to all other electrodes	13 μ mf.		
One X to one Y Deflector Plate	2.5 μ mf.		
Cathode to all other electrodes	25 μ mf.		
Screen :			
Fluorescence	Blue.		
Persistence	Very Short.		
	(10 μ sec. max. for 1% initial brightness).		
Focusing Method	Electrostatic.		
Deflecting Method	Electrostatic.		
Overall Length	421 $\pm$ 10 mm.		
Greatest Diameter of Bulb	160 mm.		
Minimum Useful Screen Diameter	130 mm.		
Mounting Position	Any.		
Base	B.12.D.		

- Pin 1—Modulator.
 Pin 2—Cathode.
 Pin 3—Heater.
 Pin 4—Heater.
 Pin 5—Anode 1.
 Pin 6—Anode 2.
 Pin 7—No connection
 Pin 8—No connection.



- Pin 9—X2.
 Pin 10—Anode 3 and Internal Conductive coating.
 Pin 11—X1.
 Pin 12—No connection
 Side Arm 'A'—Y2.
 Side Arm 'B'—Y1.

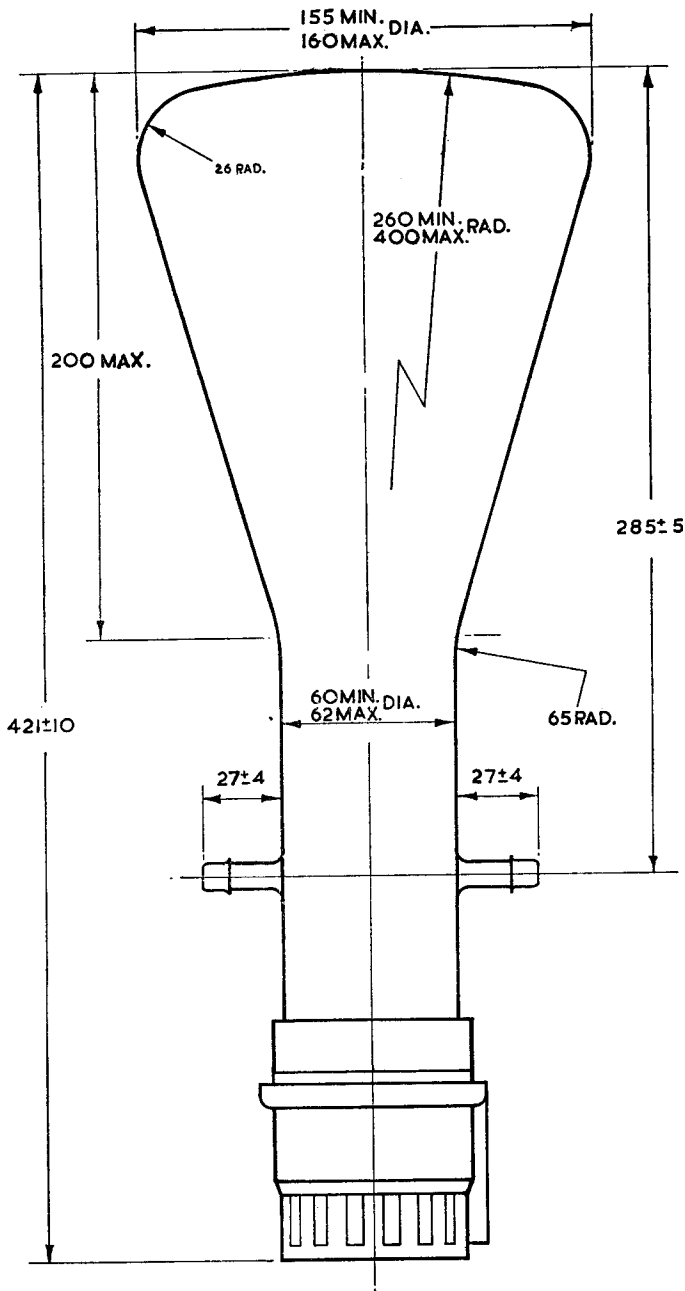
Typical Operating Conditions :

Anode 1	2000 volts.	2000 volts.
Anode 2	700 volts.	400 volts.
Anode 3 (5000v. max.)	4000 volts.	2000 volts.
Modulator volts for cut-off		
	-40 to -80 volts.	-40 to -80 volts.

Deflection Sensitivity :	mm/volt.	mm/volt.
X Plate	0.160	0.320
Y Plate	0.295	0.590

Note 2. The angle between the trace produced by X1 and X2 and the trace produced by Y1 and Y2 is $90^\circ \pm 3^\circ$.

Note 3. 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. When viewing the screen with the tube positioned such that the base spigot is uppermost, a positive voltage applied to the terminal X1 will deflect the spot to the left and a positive voltage applied to the terminal Y1 will deflect the spot upwards.