

Oscilloscope Tube

ELECTROSTATIC FOCUS. ELECTROSTATIC DEFLECTION

DATA

GENERAL :

Heater: Voltage 6.3 a.c. or d.c. volts.
 Current 0.6 amp.

Direct Inter-electrode Capacitances.

Modulator to all other electrodes 11.0 μ f.

Each X Plate to all other electrodes 11.0 μ f.

Each Y Plate to all other electrodes 10.0 μ f.

Deflector Plates X1 to X2 4 μ f.

Deflector Plates Y1 to Y2 4 μ f.

Screen :

Fluorescence Blue.

Persistence Very Short.

(10 μ sec. max. for 1% initial brightness).

Focusing Method Electrostatic.

Deflecting Method Electrostatic.

Overall Length 194 $\pm$ 5 mm.

Greatest Diameter of Bulb 52.4 mm.

Minimum Useful Screen Diameter 44 mm.

Mounting Position Any.

Base B.12.A.

Pin 1—Heater.

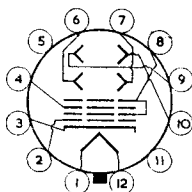
Pin 2—Modulator.

Pin 3—Cathode.

Pin 4—Anode 2.

Pin 5—Pin omitted.

Pin 6—Y1.



Pin 7—Y2.

Pin 8—Anode 1 and
Anode 3.

Pin 9—X2.

Pin 10—X1.

Pin 11—Pin omitted.

Pin 12—Heater.

Typical Operating Conditions :

Anode 1 (2500v. max.) . . . 1000 volts. 2000 volts.

Anode 2 150/280 volts. 300/560 volts.

Anode 3 (2500v. max.) . . . 1000 volts. 2000 volts.

Modulator volts for cut-off -65 volts. max. -130 volts max.

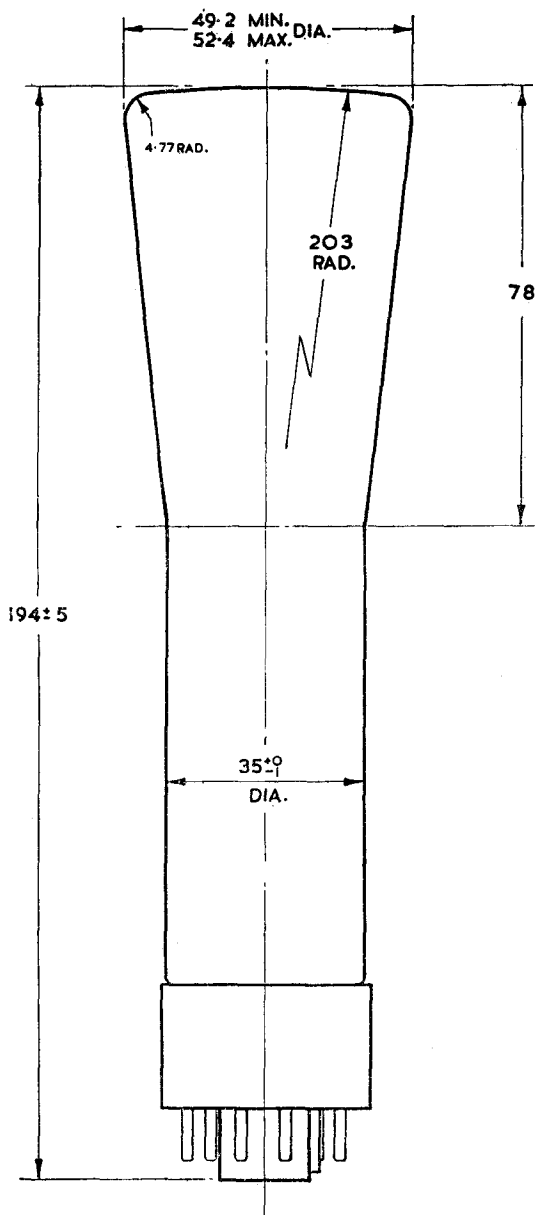
Deflection Sensitivity : . . . mm/volt. mm/volt.

X Plate 0.16 to 0.22 0.08 to 0.11

Y Plate 0.25 to 0.34 0.125 to 0.17

Note 2. The angle between the traces 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 5 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 Pin No. 1 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.