DIAMETER 2″ NOMINAL

2EB1

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Oscilloscope Tube

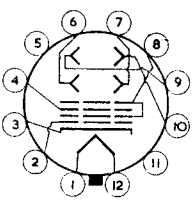
ELECTROSTATIC FOCUS. ELECTROSTATIC DEFLECTION

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		11.0μμf.
Each X Plate to all other electrodes		11.0μμf.
Each Y Plate to all other electrodes		10.0μμf.
Deflector Plates X1 to X2		4μμf.
Deflector Plates Y1 to Y2		4μμf.
Screen :		
Fluorescence		Blue.
Persistence		Very Short.
	(10μ sec. max. for 1% initial brightness).	
Focusing Method		Electrostatic.
Deflecting Method		Electrostatic.
Overall Length		194 ± 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.



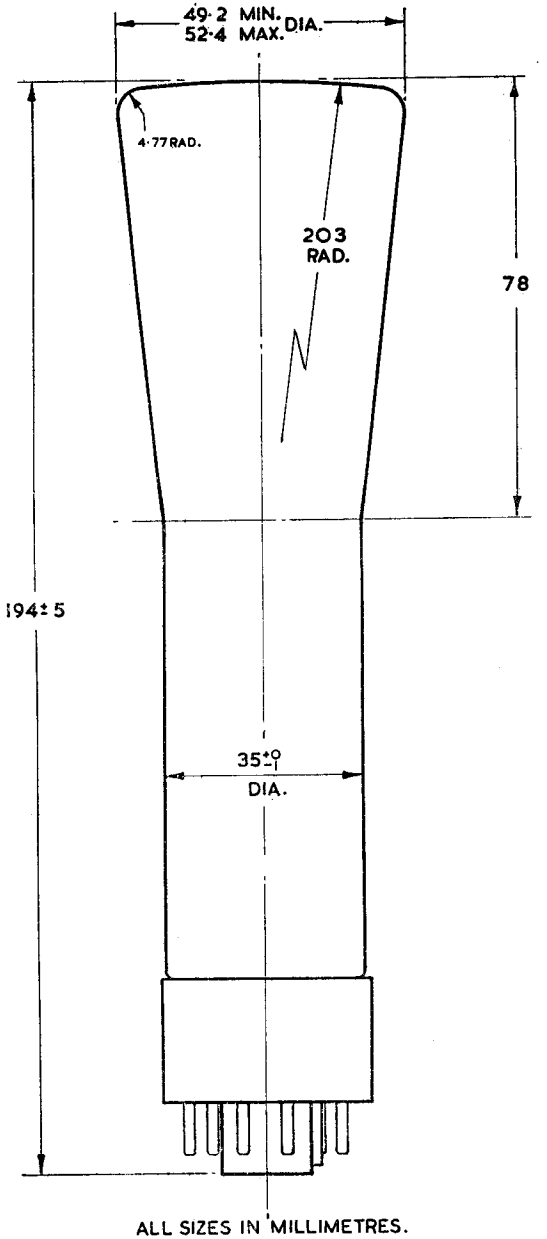
Pin 7—Y2.
Pin 8—Anode 1 and Anode 3.
Pin 9—X2.
Pin 10—X1.
Pin 11—Pin omitted.
Pin 12—Heater.

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° ± 3°.

Note 3. The undeflected focused spot will fall within a circle having a 5 mm. radius concentric with the centre of the tube face.



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.