

2EG1**2EG1****Oscilloscope Tube**

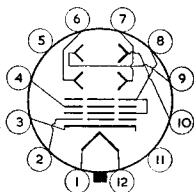
ELECTROSTATIC FOCUS. ELECTROSTATIC DEFLECTION

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 mf.
Each X Plate to all other electrodes			11.0 μ mf.
Each Y Plate to all other electrodes			10.0 μ mf.
Deflector Plates X1 to X2			4 μ mf.
Deflector Plates Y1 to Y2			4 μ mf.
Screen :			
Fluorescence			Green.
Persistence			Short.
	(10m sec. min./100m 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.

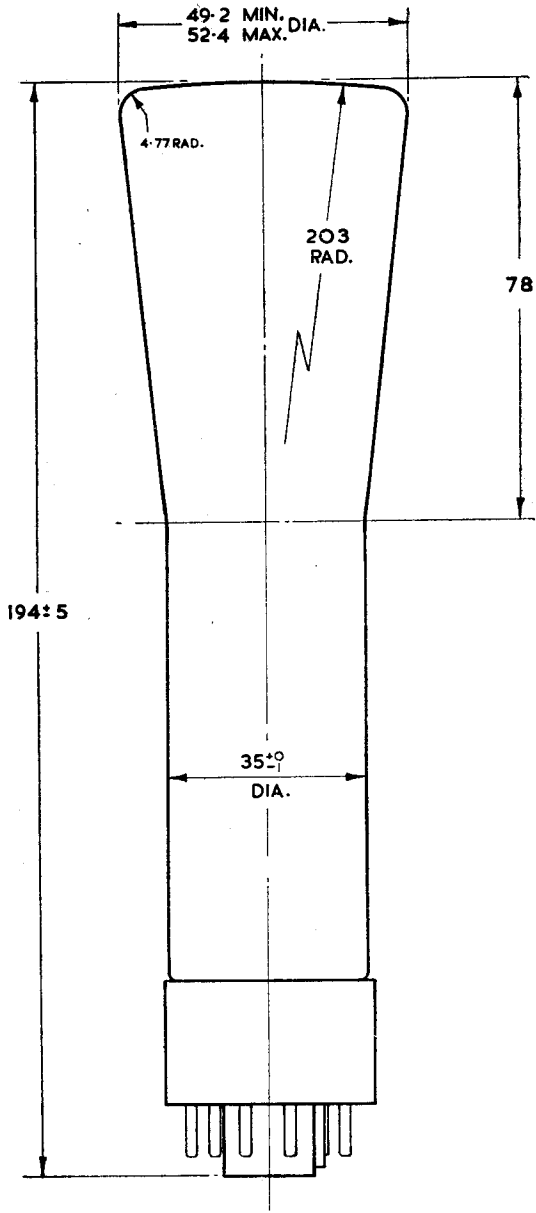
Typical Operating Conditions :

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 trace the 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.



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.