

3EB3P**3EB3P**

Oscilloscope Tube

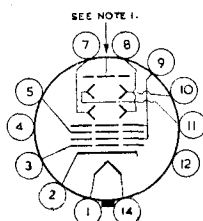
ELECTROSTATIC FOCUS. ELECTROSTATIC DEFLECTION.

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		10.5 μ f.
Each X Plate to all other electrodes		11.0 μ f.
Each Y Plate to all other electrodes		9.0 μ f.
Deflector Plates X1 to X2		4.0 μ f.
Deflector Plates Y1 to Y2		3.5 μ f.
Screen:		
Fluorescence		Blue.
Persistence		Very Short
	(10 μ sec. max. for 1% of initial brightness).	
Focussing Method		Electrostatic.
Deflecting Method		Electrostatic.
Overall Length		254 $\pm$ 6 mm.
Greatest Diameter of Bulb		77.8 mm.
Minimum Useful Screen Diameter		69.0 mm.
Mounting Position		Any.
Anode Cap		Recessed Ball BSS448/CT7.
Base		B.14A.

Pin 1—Heater.
 Pin 2—Cathode.
 Pin 3—Modulator.
 Pin 4—No connection.
 Pin 5—Anode 2.
 Pin 7—Y1.



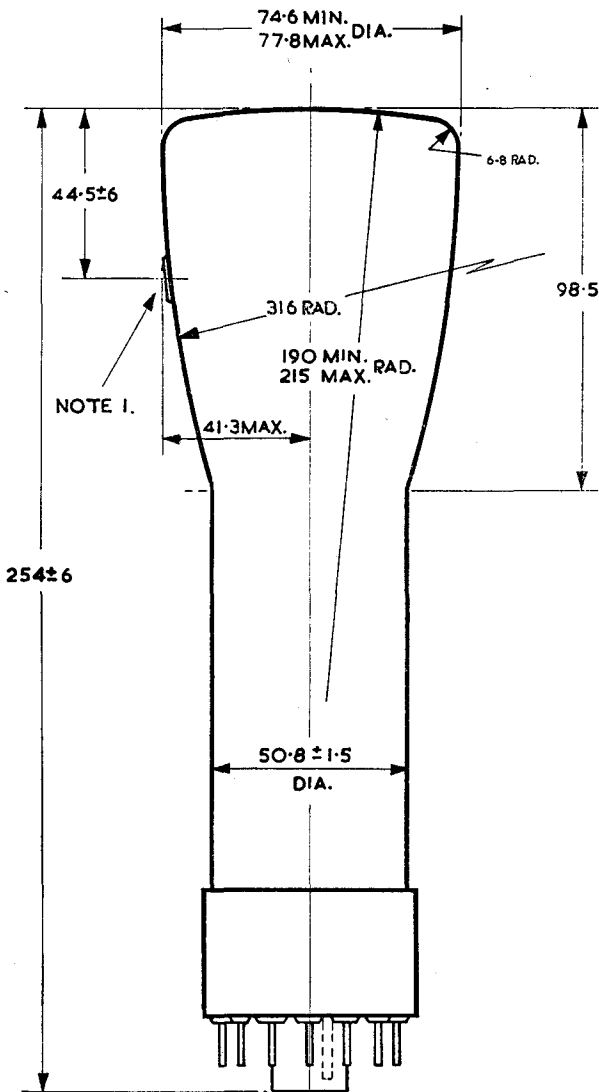
Pin 8—Y2.
 Pin 9—Anode 1 and
 Anode 3.
 Pin 10—X2.
 Pin 11—X1.
 Pin 12—No connection.
 Pin 14—Heater.
 Cap—Anode 4 P.D.A.

Typical Operating Conditions :

Anode 1 and Anode 3 (2500 volts max.)		1500 volts.
Anode 2		350/500 volts.
Anode 4 P.D.A. (5000 volts max.)		3000 volts.
Modulator volts for cut-off		-65 volts max.

Deflection Sensitivity :

		mm./volt
X Plate		0.15 to 0.2
Y Plate		0.2 to 0.27



ALL SIZES IN MILLIMETRES.

- Note 1.** The angle between the trace produced by X1, X2 and a plane through the tube axis, Pin 5 and the P.D.A. Cap may vary by an angular tolerance of 10° . The P.D.A. Cap is on the same side of the tube as Pin 5.
- 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 7 m.m. radius concentric with the centre of the tube face.
- Note 4.** When viewing the screen with the tube positioned such that Pin No. 5 is on the left, 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.