

5EB2P**5EB2P**

Oscilloscope Tube

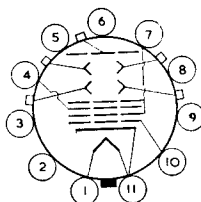
ELECTROSTATIC FOCUS. ELECTROSTATIC DEFLECTION.

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	. . .	12.0 μ mf.
Each X Plate to all other electrodes	. . .	5.0 μ mf.
Each Y Plate to all other electrodes	. . .	5.0 μ mf.
Deflector Plates X1 to X2	. . .	2.3 μ mf.
Deflector Plates Y1 to Y2	. . .	2.3 μ mf.
Screen:		
Fluorescence	. . .	Blue.
Persistence	. . .	Very Short
	(10 μ sec. max. for 1% of initial brightness).	
Focussing Method	. . .	Electrostatic.
Deflecting Method	. . .	Electrostatic.
Overall Length	. . .	425 $\pm$ 9 mm.
Greatest Diameter of Bulb	. . .	136.5 mm.
Minimum Useful Screen Diameter	. . .	114 mm.
Mounting Position	. . .	Any.
Anode Cap	. . .	English BSS448/CT2.
Base	. . .	11 Pin Magnal.

- Pin 1—Heater.
 Pin 2—No connection.
 Pin 3—No connection.
 Pin 4—Anode 2.
 Pin 5—No connection.
 Pin 6—No connection.



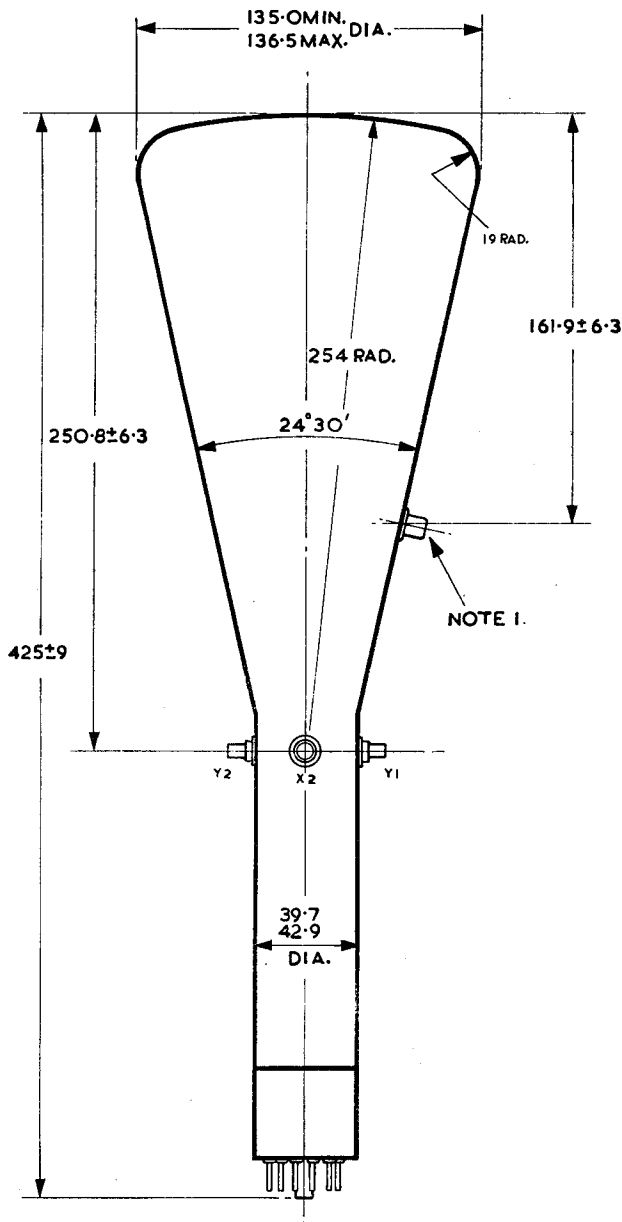
- Pin 7—Anode 1 and Anode 3.
 Pin 8—No connection.
 Pin 9—No connection.
 Pin 10—Modulator.
 Pin 11—Heater and Cathode.
 Cap—Anode 4 P.D.A.
 BSS448/CT1 caps on neck connect to X1, X2, Y1 and Y2.

Typical Operating Conditions :

Anode 1 and 3 (2500 volts max.)	. . .	2000 volts.
Anode 2	. . .	450/570 volts.
Anode 4 (5000 volts max.)	. . .	4000 volts.
Modulator volts for cut-off	. . .	-105 volts max.

Deflection Sensitivity :

		mm./volt.
X Plate	. . .	0.22 to 0.33
Y Plate	. . .	0.22 to 0.33



ALL SIZES IN MILLIMETRES.

- Note 1.** The angle between the trace produced by Y1, Y2 and a plane through the tube axis, spigot key and the P.D.A. Cap, may vary by an angular tolerance of 10°. The spigot key is on the same side of the tubes as the P.D.A. Cap.
- 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 the spigot key 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.