

DIAMETER 5" NOMINAL

**5ED2P**

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# Oscilloscope Tube

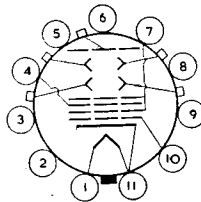
ELECTROSTATIC FOCUS. ELECTROSTATIC DEFLECTION.

## 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 . . . . .	12.0 $\mu$ f.	
Each X Plate to all other electrodes . . . . .	5.0 $\mu$ f.	
Each Y Plate to all other electrodes . . . . .	5.0 $\mu$ f.	
Deflector Plates X1 to X2 . . . . .	2.3 $\mu$ f.	
Deflector Plates Y1 to Y2 . . . . .	2.3 $\mu$ f.	
Screen:		
Fluorescence . . . . .	Blue.	
Afterglow . . . . .	Yellow.	
Persistence of Afterglow . . . . .	Long	
(10 sec. min./100 sec. max. for 1% 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.



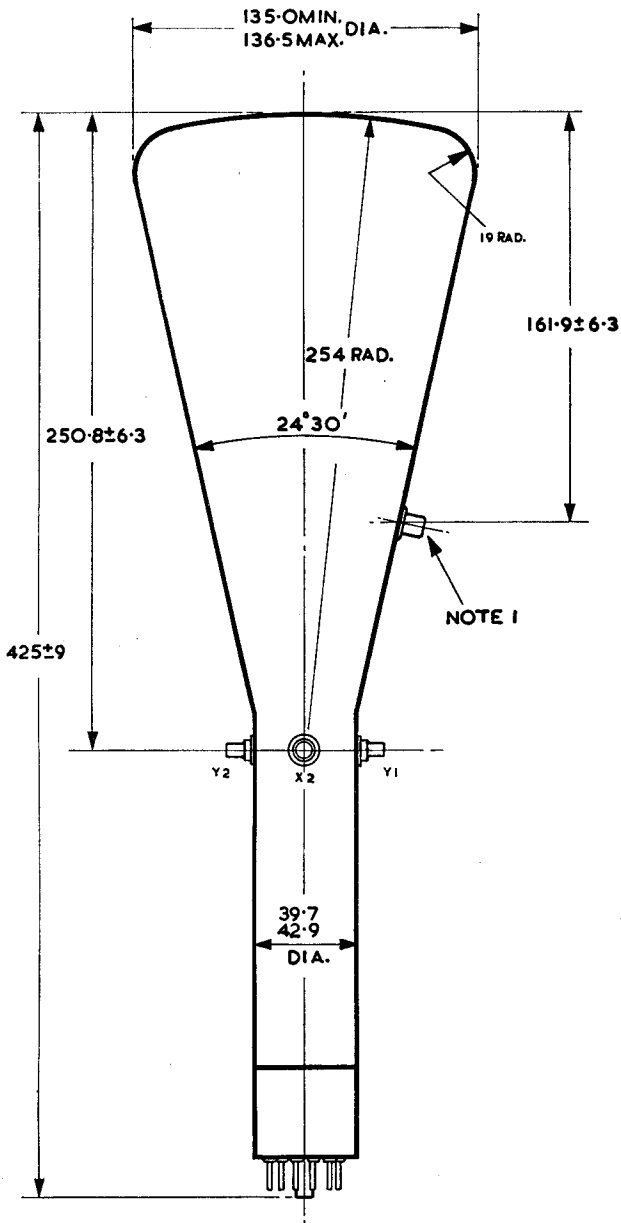
- Pin 7—Anode 1 and Anode 3.
  - Pin 8—No connection.
  - Pin 9—No connection.
  - Pin 10—Modulator.
  - Pin 11—Heater and Cathode.
- Cap—Anode 4 P.D.A.  
BSS448/CT1 caps on neck connect to X1, X2, Y1 and Y2.

### 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° + 3°.
- 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.