**Oscilloscope Tube**

**ELECTROSTATIC FOCUS. ELECTROSTATIC DEFLECTION.**

**DATA**

**GENERAL:**

Heater: Voltage 6.3 a.c. or d.c. volts.
Heater: Current 0.6 amp.

Direct Inter-electrode Capacitances:
- Modulator to all other electrodes 10.5μf.
- Each X Plate to all other electrodes 11.0μf.
- Each Y Plate to all other electrodes 9.0μf.
- Deflector Plates X1 to X2 4.0μf.
- Deflector Plates Y1 to Y2 3.5μf.

Screen:
- Fluorescence Orange.
- Afterglow Orange.
- Persistence of Afterglow Long
  (10 sec. min/100 sec. max. for 1% initial brightness).

Focussing Method Electrostatic.
Deflecting Method Electrostatic.
Overall Length 254 ± 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 B14A.

![Diagram](Diagram.png)

**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:**

- X Plate 0.15 to 0.2
- Y Plate 0.2 to 0.27

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.
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 $10^\circ$. 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.