**Oscilloscope Tube**

**ELECTROSTATIC FOCUS**  **ELECTROSTATIC DEFLECTION**  
Suitable for Asymmetrical Deflection

**DATA**

**GENERAL:**

- Heater: Voltage: 4.0 a.c. or d.c. volts.
- Current: 1.0 amp.
- Direct Inter-electrode Capacitances:
  - Modulator to all other electrodes: 25\(\mu\)F.
  - Each X Plate to all other electrodes: 25\(\mu\)F.
  - Each Y Plate to all other electrodes: 25\(\mu\)F.
  - One X to one Y Deflector Plate: 2.5\(\mu\)F.
  - Cathode to all other electrodes: 15\(\mu\)F.

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

**Focusing Method:** Electrostatic.
**Deflecting Method:** Electrostatic.
**Overall Length:** 421 ± 10 mm.
**Greatest Diameter of Bulb:** 163 mm.
**Minimum Useful Screen Diameter:** 130 mm.
**Mounting Position:** Any.
**Base:** B.12.D.

Pin 1—Modulator.
Pin 2—Cathode.
Pin 3—Heater.
Pin 4—Heater.
Pin 5—Anode 1.
Pin 6—Anode 2.
Pin 7—No connection.
Pin 8—Y2.
Pin 9—X2.
Pin 10—Anode 3 and Internal Conductive coating.
Pin 11—X1.
Pin 12—Y1.

**Typical Operating Conditions:**

- Anode 1: 2000 volts.
- Anode 2: 800 volts.
- Anode 3 (6000v. max.): 5000 volts.
- Modulator volts for cut-off: -45 to -80 volts.

<table>
<thead>
<tr>
<th>Deflection Sensitivity</th>
<th>mm/volt.</th>
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<tbody>
<tr>
<td>X Plate</td>
<td>0.130</td>
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<tr>
<td>Y Plate</td>
<td>0.250</td>
</tr>
<tr>
<td></td>
<td>0.215</td>
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<td>0.415</td>
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**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 10 mm. radius concentric with the centre of the tube face.
ALL SIZES IN MILLIMETRES.

Note 1. When viewing the screen with the tube positioned such that the base spigot 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.