**Oscilloscope Tube**

**GENERAL:**
- Heater: Voltage: 4.0 a.c. or d.c. volts
- Current: 1.0 amp.
- Direct Inter-electrode Capacitances:
  - Modulator to all other electrodes: 15μf.
  - Each X Plate to all other electrodes: 15μf.
  - Each Y Plate to all other electrodes: 15μf.
  - One X to one Y Deflector Plate: 4.0μf.
  - Cathode to all other electrodes: 15μf.
- Screen:
  - Fluorescence: Green
  - Persistence of Afterglow: Short (10 m. sec min./100m. sec. max.) for 1% initial brightness.
- Focussing Method: Electrostatic
- Deflecting Method: Electrostatic.
- Overall Length: 635±5 mm.
- Greatest Diameter of Bulb: 312 mm.
- Minimum Useful Screen Diameter: 280 mm.
- Mounting Position: Any
- Base: B12D.

Pin 1—Modulator.
Pin 2—Cathode.
Pin 3—Heater.
Pin 4—Heater.
Pin 5—Anode 1
Pin 6—Anode 2
Pin 7—Internal Conductive Coating.
Pin 8—Y2.
Pin 9—X2.
Pin 10—Anode 3.
Pin 11—X1.
Pin 12—Y1.

**Typical Operating Conditions:**
- Anode 1: 1000 volts.
- Anode 2: 550 volts.
- Anode 3 (5500 volts max.): 3000 volts.
- Modulator volts for cut-off: -60 to -110
- X Plate: 0.4 mm./volt.
- Y Plate: 0.4 mm./volt.

**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 15 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.