Oscilloscope Tube

ELECTROSTATIC FOCUS  ELECTROSTATIC DEFLECTION
Suitable for Assymetrical 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  .  25μμf.
    Each X Plate to all other electrodes  .  25μμf.
    Each Y Plate to all other electrodes  .  25μμf.
    One X to one Y Deflector Plate  .  2.5μμf.
    Cathode to all other electrodes  .  15μμf.
Screen:
    Fluorescence  .  Blue.
                   (10μ 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 2  .  800 volts.  .  530 volts.
Anode 3 (6000v. max.)  .  5000 volts.  .  3000 volts.
Modulator volts for cut-off
    -45 to -80 volts.  .  -45 to -80 volts.

Deflection Sensitivity:
    X Plate  .  0.130  .  0.215
    Y Plate  .  0.250  .  0.415

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.