Oscilloscope Tube

Electrostatic Focus. Electrostatic 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 6μμf.
Cathode to all other electrodes 15μμf.

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

Focusing Method Electrostatic.
Deflecting Method Electrostatic.
Overall Length 332 ± 8 mm.
Greatest Diameter of Bulb 92 mm.
Minimum Useful Screen Diameter 70 mm.
Mounting Position Any.
Anode Cap Recessed Small Ball.
Base B.12.D.

Typical Operating Conditions:
Anode 1 2000 volts.
Anode 2 380 volts.
Anode 3 (4000v. max.) 2000 volts.
Anode 4 Post Deflector Accelerator (6000v. max.) 4000 volts.
Modulator volts for cut-off -40 to -80 volts.

Deflection Sensitivity:
X Plate 0.140
Y Plate 0.320

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 6 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.