DIAMETER 31" NOMINAL

90EO4P

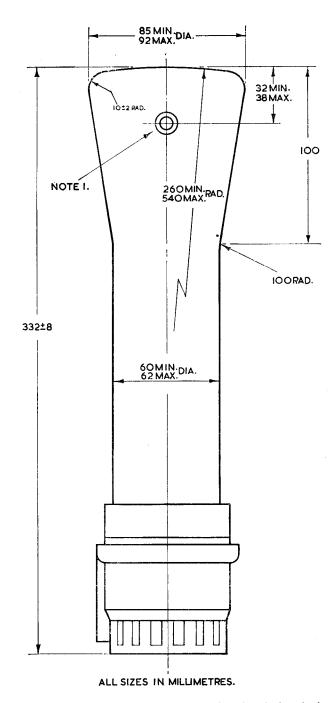
SOKOWA N

Oscilloscope Tube

ELECTROSTATIC FOCUS. ELECTROSTATIC DEFLECTION

DATA

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GENERAL:
Heater: Voltage 4.0 a.c. or d.c. volts.
Heater: Voltage 4.0 a.c. or d.c. volts. Current 1.0 amp.
Direct Inter-electrode Capacitances.
Each X Plate to all other electrodes 25µµf.
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
Screen:
Fluorescence Orange.
Afterglow Orange.
Fluorescence Orange. Afterglow Orange. Persistence of Afterglow Long.
(10 sec. min./100 sec. max. for 1% initial brightness).
Focusing Method Electrostatic.
Focusing Method Electrostatic. Deflecting Method Electrostatic.
Overall Length
Overall Length
Greatest Diameter of Bulb
Mounting Position Any.
Mounting Position Any. Anode Cap Recessed Small Ball.
Base B.12.D.
Pin 1—Modulator. SEE NOTE 1. Pin 8—Y2.
Pin 2—Cathode. (5) Pin 9—X2.
Pin 2 Hander Pin 10—Anode 3 and
(4) \(\frac{1}{2}\) Internal Conductive
Pin 4—Heater. coating.
Pin 5—Arode 1. (3) Pin 11—X1.
Pin 6—Anode 2. Pin 12—Y1.
Pin 7—No connection. Cap—Anode 4 P.D.A.
Typical Operating Conditions:
Anode 1 2000 volts.
Anode 2
Anode 2
Anode 4 Post Deflector Accelerator (6000y, max.) 4000 volts.
Modulator volts for cut-off40 to -80 volts.
Deflection Sensitivity: mm/volt.
X Plate 0.140
X Plate
Note 2. The angle between the trace produced by X1 and X2 and the trace
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 6 mm.
radius concentric with the centre of the tube face.



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.