DIAMETER 3" NOMINAL

3ED2

Oscilloscope Tube

ELECTROSTATIC FOCUS. ELECTROSTATIC DEFLECTION.

DATA

GENERAL:

Heater: Voltage . 6.3 a.c. or d.c. volts. 0.6 Current amp. Direct Inter-electrode Capacitances: Modulator to all other electrodes $12\mu\mu f$. Each X Plate to all other electrodes 16μμf. Each Y Plate to all other electrodes $11\mu\mu f$. Deflector Plates X1 to X2 $2.5\mu\mu f$. Deflector Plates Y1 to Y2 $2.5\mu\mu f$. Screen: Fluorescence . . . Blue. Yellow. Afterglow Persistence of Afterglow. Long

(10 sec. min./100 sec. max. for 1% initial brightness). Focussing Method Electrostatic. Deflecting Method Electrostatic.

Mounting Position Any.

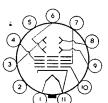
Pin 1-Heater.

Pin 2-No connection.

Pin 3—X1.

Pin 4—Anode 2.

Pin 5-No connection.



Pin 6—Y2.

Pin 7—Anode 1 and 3.

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Pin 8—X2.

Pin 9---Y1.

Pin 10—Modulator.

Pin 11—Heater and Cathode.

mm /volt

Typical Operating Conditions:

Anode 1 and 3 (2500 volts max.)

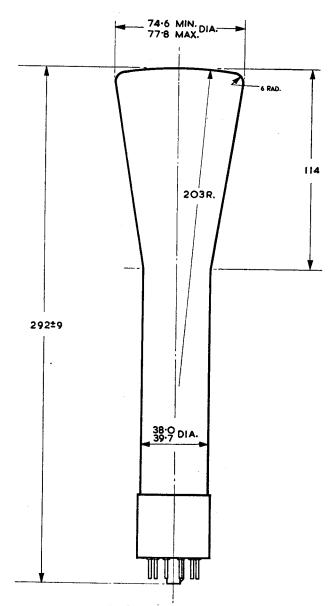
Anode 2 200/280 volts 400/560 volts.

Modulator volts for cut-off -50 volts max. -100 volts max.

mm/volt

Deflection Sensitivity:

			111111/ 1010	********
X Plate			0.26 to 0.4	0.13 to 0.2
Y Plate			0.3 to 0.45	0.15 to 0.22



ALL SIZES IN MILLIMETRES.

Note 1. When viewing the screen with the tube positioned such that the spigot key is uppermost, a positive voltage applied to terminal X1 will deflect the spot to the left and a positive voltage applied to the terminal Y1 will deflect the spot upwards.

Note 2.

The angle between the trace produced by X1 and X2 and the trace produced by Y1 and Y2 is $90^{\circ} + 3^{\circ}$. The undeflected focused spot will fall within a circle having a 7 m.m. Note 3. radius concentric with the centre of the tube face.

Note 4. The angle between the trace produced by the deflector plates Y1, Y2 and a plane through the tube axis and Pin No. 6, may vary by an angular tolerance of 10°.