DIAMETER 6" NOMINAL

6ED7

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Oscilloscope Tube

ELECTROSTATIC FOCUS ELECTROSTATIC DEFLECTION

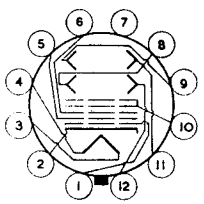
Suitable for Assymetrical Deflection

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.
Afterglow	Yellow.
Persistence of Afterglow	Long.
(10m sec. min./100m 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.



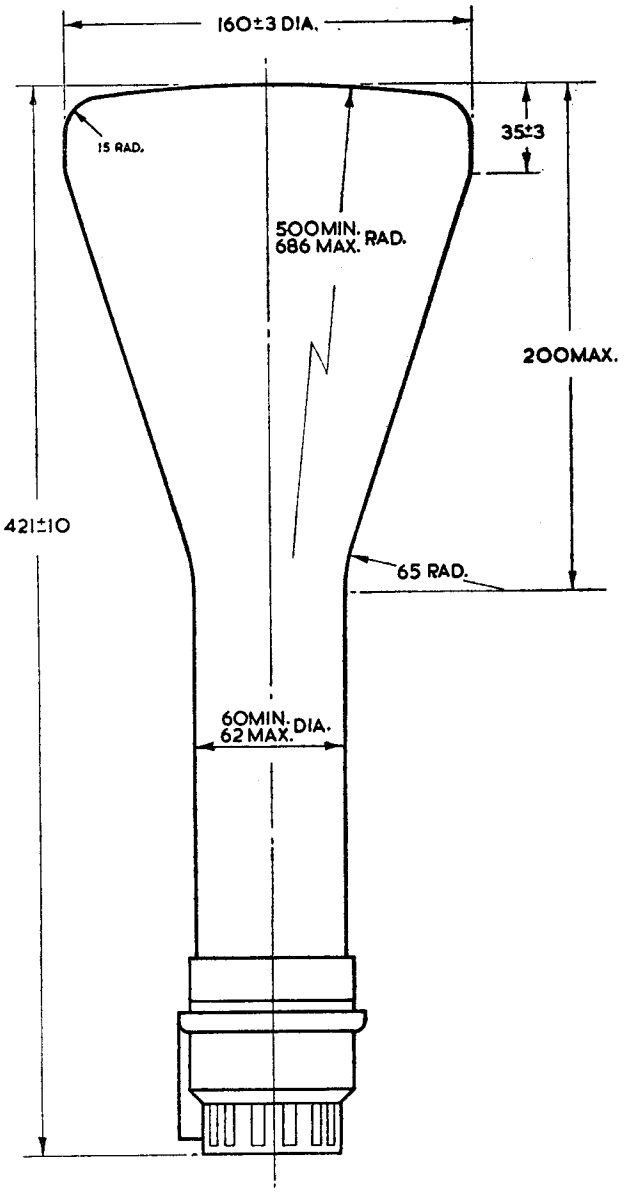
Pin 8—Y2.
Pin 9—X2.
Pin 10—Anode 3 and Internal Conductive coating.
Pin 11—X1.
Pin 12—Y1.

Typical Operating Conditions:

Anode 1	2000 volts.	2000 volts.
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:	mm/volt.	mm/volt.
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.



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.