CATHODE RAY TUBE

High-sensitivity oscilloscope tube
with 6-in. diameter screen.

HEATER

\[ V_h = 4.0 \text{ V} \]
\[ I_h = 1.0 \text{ A} \]

CAPACITANCES

Grid to all other electrodes \( \leq 25 \text{ uF} \)
Each X plate or each Y plate to all other electrodes \( \leq 25 \text{ uF} \)
One X plate to one Y plate \( \leq 5 \text{ uF} \)

FLUORESCENT COLOUR

Green. Non-persistent.

DEFLECTION

Electrostatic. The tube is suitable for either asymmetrical or asymmetrical operation.

With asymmetrical deflection the trapezoidal distortion is such that the angle between adjacent sides of an 80 mm x 80 mm scan is between 65° and 95°.

OPERATING CONDITIONS

\[ V_{a1} = V_{a3} = 2,000 \text{ V} \]
\[ V_{a2} = 250 \text{ to } 450 \text{ V} \]
\[ V_g = -1.0 \text{ to } -100 \text{ V} \]

LIMITING VALUES

\[ V_{a1} = V_{a3} \text{ max} = 2,500 \text{ V} \]
\[ V_{h-k} = 50 \text{ V} \]

DEFLECTION SENSITIVITY

\[ X \text{ plates: } \frac{600}{V_{a3}} \text{ mm/V} \]
\[ Y \text{ plates: } \frac{1150}{V_{a3}} \text{ mm/V} \]
Viewed from the screen end, and with the tube positioned so that the key of the base is uppermost, a positive voltage on $X'$ will deflect the spot to the left, and a positive voltage on $Y'$ will deflect the spot upwards.

**Arrangement of Electrodes and Base Connections**

**Key Base with 12 Side Contacts**

Contacts 5, 7 and 10 should be connected together externally.