Mullard
TELEVISION PROJECTION TUBE

CATHODE RAY TUBE FOR TELEVISION RECEPTION
4 - Inch Screen.

Heater
\[ V_H = 4.0 \text{ V} \]
\[ I_H = 1.0 \text{ A} \]

Capacity
\[ C_g = 10.0 \text{ uF} \]

Fluorescent Colour - Green

Deflection - Double Electromagnetic

Operating Conditions

<table>
<thead>
<tr>
<th>Va2</th>
<th>20,000</th>
<th>25,000 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Va1</td>
<td>500</td>
<td>500 V</td>
</tr>
<tr>
<td>-Ve</td>
<td>0 - 150</td>
<td>0 - 150 V</td>
</tr>
</tbody>
</table>

With centre of deflection coils 160 m.m. from the screen, the deflection sensitivity is 0.034L m.m. per gauss.

\[ L = \text{length of the electron path through the field of the deflection coil (m.m.)} \]

Limiting Values

<table>
<thead>
<tr>
<th>Va2 max</th>
<th>25,000 V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Va1 max</td>
<td>500 V</td>
</tr>
<tr>
<td>Ia2 max (Ve = 0 V)</td>
<td>2.0 mA</td>
</tr>
</tbody>
</table>

Arrangement of electrodes and base connections.
$V_{a_2} = 20,000 \text{ V}$

$V_{a_1} = 500 \text{ V}$

$V_{a_1} = 350 \text{ V}$