Monitor Cathode Ray Tubes  
Codes: VLS492AB  
VLS492AG

CATHODE.
Indirectly-heated, oxide-coated  
Heater voltage \(=2\) \(\text{V}\) 
Nominal current \(=1.8\) \(\text{A}\)

DIRECT INTERELECTRODE CAPACITANCES.
\(X_1\) plate to \(X_2\) plate \(=0.8\) \(\text{pF}\) 
\(Y_1\) plate to \(Y_2\) plate \(=4.3\) \(\text{pF}\) 
\(X_1\) plate to all other electrodes \(=6.6\) \(\text{pF}\) 
\(Y_1\) plate to all other electrodes \(=6.0\) \(\text{pF}\) 
Control grid to all other electrodes \(=8.5\) \(\text{pF}\)

CHARACTERISTICS.

| Screen colour   | VLS492AB | Blue       | VLS492AG | Green   |

Focussing method  
Deflection method  
Sensitivity, \(V_{a2} = \text{Second anode voltage}\)

\(X\) plates \(=110\) \(\text{mm/V}\) 
\(Y\) plates \(=120\) \(\text{mm/V}\)

DIMENSIONS.

| Maximum overall length | \(=171.5\) \(\text{mm}\) |
| Maximum seated height  | \(=157.2\) \(\text{mm}\) |
| Maximum bulb diameter  | \(=41.3\) \(\text{mm}\) |
| Useful screen diameter, approx. | \(=32\) \(\text{mm}\) |
| Base                   | Medium shell octal  |
| Net weight             | \(=100\) \(\text{g}\) |

TYPICAL OPERATING CONDITIONS.

| Second anode voltage  | \(=500\) \(\text{V}\) |
| First anode voltage   | \(=100\) \(\text{V}\) |
| Grid voltage          | \(0\) to \(-5\) \(\text{V}\), \(-5\) to \(-10\) \(\text{V}\) |

NOTE.—The key way in the base is at \(45^\circ\) to the plane of the deflector plates.

September 1954

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BASING
1 HEATER & CATHODE
2 X1 PLATE
3 Y2 PLATE & ANODE 2
4 Y1 PLATE
5 X2 PLATE
6 ANODE 1
7 GRID
8 HEATER

Medium Shell Octal

<table>
<thead>
<tr>
<th>DIM</th>
<th>MILLIMETRES</th>
<th>INCHES</th>
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<tbody>
<tr>
<td>A</td>
<td>171.5 MAX.</td>
<td>6 3/4 MAX.</td>
</tr>
<tr>
<td>B</td>
<td>41.3 MAX.</td>
<td>15/8 MAX.</td>
</tr>
<tr>
<td>L</td>
<td>157.2 MAX.</td>
<td>6 3/16 MAX.</td>
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NOTE: BASIC DIMENSIONS ARE INCHES

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