SUBMINIATURE R.F. PENTODE

R.F. pentode with short suppressor-grid base.

HEATER

\[
\begin{align*}
V_h & \quad 6.3 \quad V \\
I_h & \quad 150 \quad mA
\end{align*}
\]

MOUNTING POSITION

Any

Note—Direct soldered connections to the leads of this valve must be at least 5mm from the seal and any bending of the valve leads must be at least 1.5mm from the seal.

COOLING

In operation this valve may become very hot and to obtain satisfactory life it should be adequately cooled. A suitable method is to mount the valve in a metal clip which conducts the heat away to a suitable heat sink.

CAPACITANCES

<table>
<thead>
<tr>
<th>Shielded</th>
<th>Unshielded</th>
</tr>
</thead>
<tbody>
<tr>
<td>(C_{a-g1})</td>
<td>&lt;0.02 pbF</td>
</tr>
<tr>
<td>(C_{a-g2})</td>
<td>&lt;1.1 pbF</td>
</tr>
<tr>
<td>(C_{g1-g2})</td>
<td>&lt;0.15 pbF</td>
</tr>
<tr>
<td>(C_{th(g1)})</td>
<td>4.0 pbF</td>
</tr>
<tr>
<td>(C_{th(g2)})</td>
<td>3.7 pbF</td>
</tr>
<tr>
<td>(C_{out})</td>
<td>3.4 pbF</td>
</tr>
</tbody>
</table>

CHARACTERISTICS

\[
\begin{align*}
V_a & \quad 100 \quad V \\
V_{g3} & \quad 0 \quad V \\
V_{g2} & \quad 100 \quad V \\
V_{g1} & \quad -1.4 \quad V \\
l_a & \quad 5.3 \quad mA \\
l_{g2} & \quad 4.1 \quad mA \\
gm_{g2} & \quad 3.2 \quad mA/V \\
gm_{g3} & \quad 500 \quad \mu A/V \\
r_a & \quad 110 \quad k\Omega \\
V_{g1} (l_a = 10\mu A) & \quad -7.5 \quad V \\
V_{g3} (l_a = 10\mu A) & \quad -8.0 \quad V
\end{align*}
\]

LIMITING VALUES (absolute ratings)

\[
\begin{align*}
V_{an(b)} & \quad 330 \quad V \\
V_a & \quad 165 \quad V \\
p_a & \quad 1.1 \quad W \\
+V_{g3} & \quad 30 \quad V \\
V_{g2(b)} & \quad 310 \quad V \\
V_{g2} & \quad 155 \quad V \\
-V_{g1} & \quad 55 \quad V \\
p_{g2} & \quad 700 \quad mW \\
l_a & \quad 11 \quad mA \\
l_{g2} & \quad 7.0 \quad mA \\
V_{h-k} & \quad 200 \quad V
\end{align*}
\]
EF730

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All dimensions in mm