R.T.M.A. No. 6259

DESCRIPTION: Voltage reference tube of the cold cathode discharge type; T-3 bulb; body length 1-3/8" max; button base, 0.016" tinned flexible leads.

![Diagram]

<table>
<thead>
<tr>
<th>LEAD NO.</th>
<th>ELEMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>cathode</td>
</tr>
<tr>
<td>3</td>
<td>anode</td>
</tr>
<tr>
<td>5</td>
<td>cathode</td>
</tr>
</tbody>
</table>

Numbers refer to pin holes in standard sub-miniature tube socket.

MAXIMUM RATINGS (absolute value)

- DC Operating current: max. 8 mA
- DC Operating current: min. 1 mA

OPERATING CHARACTERISTICS

- Preferred DC operating current: 4.5 mA
- AC resistance: max. 450 ohms
- DC starting voltage: min. 92 volts
- DC operating voltage at 4.5 mA; variation from tube to tube: 83-87 volts
- Temperature coefficient of operating voltage: \(-3 \text{ mV/}^\circ\text{C}\)
- Leakage \(R_h = 90 \text{V} R_p = 10 \text{ megaohms}\)
- Max. percentage variation of operating voltage during life: 0.5 percent
- Max. percentage variation of operating voltage after first 300 hours of life: 0.2 percent
- Max. short term (100 hours max.) variation of operating voltage after first 300 hours of life: 0.1 percent
- Max. percent variation of striking voltage on life: 1.0 percent

NOTES

1. Equilibrium conditions are normally reached after 3 minutes operation.

2. An additional feature of this tube is the stability of the striking voltage at low frequency rates.

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