Rogers Electronic Tubes & Components

Description: Indicator tube with amplifying triode for use as tuning indicator or for modulation control

Mechanical data
- Cathode: coated, unipotential
- Base: E9-1
- Bulb: T61/2
- Outline: see drawing
- Basing: see drawing
- Mounting position: any

TUBE OUTLINE | BOTTOM VIEW | BASE PIN NO. | ELEMENT
--- | --- | --- | ---
| | | 1 | Triode grid
| 2 | Internally connected
| 3 | Cathode
| 4 | Heater
| 5 | Heater
| 6 | Target
| 7 | Deflection electrode
| 8 | Internally connected
| 9 | Triode plate

Heater data
- Heater voltage: 6.3 volts
- Heater current: 270 mamps

Ratings (Design center values)
- Deflection electrode voltage without current: 550 volts max.
- Deflection electrode voltage: 300 volts max.
- Target voltage without current: 550 volts max.
- Target voltage: 300 volts max., 150 volts min.
- Triode plate dissipation: 0.5 watt max.

October 16th, 1958

from JEDEC release #2382, Feb. 9, 1959
### Ratings (Design center values)
- **Cathode current**: 3 mamps max.  
- **Triode grid circuit resistance**: 3 megohms max.  
- **Voltage between heater and cathode**: 100 volts max.  
- **Bulb temperature**: 120 °C max.

### Operating characteristics (Deflection electrodes connected to triode plate)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply voltage</td>
<td>250 volts</td>
</tr>
<tr>
<td>Target voltage</td>
<td>250 volts</td>
</tr>
<tr>
<td>Plate and deflection electrode resistor</td>
<td>0.47 megohm</td>
</tr>
<tr>
<td>Grid resistor</td>
<td>3 megohms</td>
</tr>
<tr>
<td>Grid supply voltage</td>
<td>0 -22 volts</td>
</tr>
<tr>
<td>Plate and deflection electrode current</td>
<td>0.45 mamp 0.06 mamp</td>
</tr>
<tr>
<td>Target current</td>
<td>1.1 1.6 mamps</td>
</tr>
</tbody>
</table>

- **Length (a) of dark part of pattern (see Tube outline)**: 0.83" ± 0.20" 0"
- **Length (a) of dark part of pattern when grid resistor=0Ω**: 0.94" ± 0.20"
Supply voltage = 250 volts
Target voltage = 250 volts
Plate and deflection electrode resistor = 0.47 megohm
Grid resistor = 3 megohms
a = dark part of pattern

Grid supply voltage (volts)