ELECTRON-RAY TUNING INDICATOR

MECHANICAL DATA

Cathode
Base
Bulb
Mounting position
RETMA basing designation

Coated unipotential
E9-1
T6½
Any
9DB

TUBE OUTLINE

BOTTOM VIEW
OF BASE

BASE PIN No

ELEMENT

1 Grid
2 Cathode
3 Internal connection
4 Heater
5 Heater
6 Internal connection
7 Plate, Ray control electrode
8 Internal connection
9 Target

ELECTRICAL DATA

HEATER DATA

Heater voltage
Heater current

6.3 volts
0.3 amp

RATINGS (Design Center Values)

Plate voltage
Plate voltage without current
Plate dissipation
Target voltage
Target voltage
Target voltage without current
Cathode current
Grid circuit resistance
Voltage between cathode and heater
Circuit resistance between cathode and heater

300 volts max.
550 volts max.
0.2 watt max.
300 volts max.
165 volts min.
550 volts max.
3 maamps max.
3 megohms max.
100 volts max.
20,000 ohms max.

July 10, 1956
<table>
<thead>
<tr>
<th>Description</th>
<th>Value 1</th>
<th>Value 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply voltage</td>
<td>250</td>
<td>volts</td>
</tr>
<tr>
<td>Target voltage</td>
<td>250</td>
<td>volts</td>
</tr>
<tr>
<td>Plate series resistor</td>
<td>0.5</td>
<td>megohm</td>
</tr>
<tr>
<td>Grid series resistor</td>
<td>3</td>
<td>megohms</td>
</tr>
<tr>
<td>Negative grid bias</td>
<td>-1</td>
<td>-14 volts</td>
</tr>
<tr>
<td>Light sector on target</td>
<td>5</td>
<td>50 degrees</td>
</tr>
<tr>
<td>Plate current</td>
<td>0.37</td>
<td>0.01 mamp</td>
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<tr>
<td>Target current</td>
<td>2</td>
<td>2.3 mamps</td>
</tr>
</tbody>
</table>
Supply voltage = 250 volts
Target voltage = 250 volts
Plate series resistor = 0.5 megohm
Grid leak = 3 megohm