# ELECTRON-RAY TUBE
## TWIN-INDICATOR TYPE

**Heater**
- Coated Unipotential Cathode
- Voltage: 6.3 a-c or d-c volts
- Current: 0.15 amp.

**Overall Length**
- 2-1/4" [+1/16"
- 1/4"
- [-1/16"
- [-1/4"

**Seated Height**
- 1-11/16" [+1/16"
- [-1/4"
- [-1/4"
- [-1/4"

**Maximum Diameter**
- 1-5/16"

**Bulb**
- T-9

**Base**
- Intermed. Sh. Octal 7-Pin
- Pin 1 - No Connection
- Pin 2 - Heater Electrode, Unit No. 1
- Pin 3 - Ray-Control Electrode, Unit No. 2
- Pin 4 - Ray-Control Electrode, Unit No. 1
- Pin 5 - Target Electrode, Unit No. 7
- Pin 7 - Heater Electrode, Unit No. 2
- Pin 8 - Cathode

**Mounting Position**
- BOTTOM VIEW (7AG)
- Any**

**Maximum and Minimum Ratings Are Design-Center Values**

**INDICATOR SERVICE**

<table>
<thead>
<tr>
<th>Target Voltage</th>
<th>250 max. volts</th>
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<tbody>
<tr>
<td>125 min. volts</td>
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</tbody>
</table>

| Ray-Control Electrode Supply Voltage | 250 max. volts |
| D-C Heater-Cathode Potential | 90 max. volts |

**Typical Operation:**

| Target Voltage | 125 250 volts |
| Series Resistor | 0.5 1.0 megohm |
| Target Current | 0.65 2.2 ma. |

| Ray-Control Electrode Voltage | 80 160 approx. volts |
| Ray-Control Electrode Voltage | 0 0 approx. volts |

**The plane of the ray-control electrodes passes through pins No. 3 and No. 7.**

**Typical Circuit Using Type 6AF6-G With Ray-Control Electrodes in Parallel**

**TYPICAL CIRCUIT USING TYPE 6AF6-G WITH RAY-CONTROL ELECTRODES IN PARALLEL**

```
+-----------------+-----------------+
| TYPE 6K7        | TYPE 6AF6-G     |
| TRIODE CONNECTED|                |
| AVC VOLTAGE     | 92CS-6473       |
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The license extended to the purchaser of tubes appears in the License notice accompanying them. Information contained herein is furnished without assuming any obligations. Indicates a change.

DEC. 15, 1944

RCA VICTOR DIVISION

DATA
E_f = 6.3 VOLTS

<table>
<thead>
<tr>
<th>CURVE</th>
<th>TARGET VOLTS</th>
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<tr>
<td></td>
<td>250</td>
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<tr>
<td></td>
<td>125</td>
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SHADOW ANGLE - DEGREES

RAY-CONTROL ELECTRODE VOLTS

TARGET CURRENT

TARGET MILLIAMPERES

SEPT. 25, 1944  RCA VICTOR DIVISION  92CM-4909R1