6AB5/6N5
ELECTRON-RAY TUBE
INDICATOR TYPE WITH TRIODE UNIT

Heater: Coated Unipotential Cathode
Voltage 6.3 a-c or d-c volts
Current 0.15 amp.
Overall Length 3-13/16" to 4-3/16"
Maximum Seated Height 3-9/16" ←
Maximum Diameter 1-3/16" ←
Bulb T-9
Base Small 6-Pin
Pin 1 - Heater
Pin 2 - Plate
Pin 3 - Grid
Pin 4 - Target
Pin 5 - Cathode
Pin 6 - Heater
Mounting Position Any

BOTTOM VIEW (6R)

MAXIMUM RATINGS and TYPICAL OPERATING CONDITIONS
Plate-Supply Voltage 180 max. volts
Target Voltage 180 max. volts
100 min. volts
Typical Operation:
Plate and Target Supply 135 135 volts
Series Triode-Plate Resistor* 0.25 1.0 megohm
Target Current † 2 1.9 ma.
Triode-Plate Current‡ 0.5 0.13 ma.
Triode-Grid Voltage (approx.)
For shadow angle of 0° -10 -15.5 volts
For shadow angle of 90° 0 0 volts

* In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

† Designated as R in circuit diagram under Type 6E5.

‡ Subject to wide variations.

April 15, 1940
RCA MANUFACTURING COMPANY, INC.
AVERAGE CONTROL CHARACTERISTICS

$E_F = 6.3 \text{ VOLTS}$

<table>
<thead>
<tr>
<th>CURVE</th>
<th>PLATE-SUPPLY VOLTS (B+)</th>
<th>SERIES PLATE RESISTOR (R) - MEG.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>135</td>
<td>0.25</td>
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<tr>
<td></td>
<td>135</td>
<td>1.0</td>
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![Diagram](attachment:image.png)

MAY 7, 1940

RCA RADIotron Division
RCA Manufacturing Company, Inc.

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