6AB4
HIGH-MU TRIODE
MINIATURE TYPE PARTICULARLY SUITABLE FOR CATHODE-DRIVE CIRCUITS

**GENERAL DATA**

**Electrical:**
- Heater, for Unipotential Cathode:
  - Voltage: 6.3 ac or dc volts
  - Current: 0.15 amp
- Direct Interelectode Capacitances:
  - Grid to Plate: 1.5 μf
  - Grid to Heater and Cathode: 2.2 μf
  - Plate to Heater and Cathode: 0.5 μf
  - Heater to Cathode: 2.9 μf
  - Plate to Cathode: 0.24 μf
  - Cathode to Heater and Grid: 5.0 μf
  - Plate to Heater and Grid: 1.7 μf

**Mechanical:**
- Mounting Position: Any
- Maximum Overall Length: 2-1/8" 1-7/8"
- Maximum Seated Length: 1-1/2" ± 3/32"
- Length, Base Seat to Bulb Top (Excluding tip): 1-1/2" ± 3/32"
- Maximum Diameter: 3/4"
- Bulb: T-5-1/2
- Base: Small-Button Miniature 7-Pin (JETEC No.E7-1)
- Basing Designation for BOTTOM VIEW: 5CE

**AMPLIFIER - Class A1**

**Maximum Ratings, Design-Center Values:**
- PLATE VOLTAGE: 300 max. volts
- GRID VOLTAGE:
  - Negative bias value: 50 max. volts
  - Positive bias value: 0 max. volts
- PLATE DISSIPATION: 2.5 max. watts
- PEAK HEATER-CATHODE VOLTAGE:
  - Heater negative with respect to cathode: 90 max. volts
  - Heater positive with respect to cathode: 90 max. volts

**Characteristics:**
- Plate Voltage: 100 250 volts
- Cathode-bias Resistor: 270 200 ohms
- Internal Shield: Connected to ground
- Amplification Factor: 60 60

**MAY 1, 1952**

*Indicates a change*

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RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY
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<thead>
<tr>
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<tbody>
<tr>
<td>Plate Resistance</td>
<td>15000</td>
<td></td>
<td>10900 ohms</td>
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<tr>
<td>Transconductance</td>
<td>4000</td>
<td></td>
<td>5500 μmhos</td>
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<tr>
<td>Grid Bias (Approx.)</td>
<td></td>
<td>-5</td>
<td>-12 volts</td>
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<tr>
<td>Plate current of 10 μamp.</td>
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<tr>
<td>Plate Current</td>
<td>3.7</td>
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<td>10 ma</td>
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CURVES for the 6AB4 are the same as those for each unit of Type 12AT7