THE 6HB6 IS A POWER PENTODE IN THE 9 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR USE AS A VERTICAL DEFLECTION AMPLIFIER FOR TELEVISION RECEIVERS WITH WIDE ANGLE PICTURE TUBES.

DIRECT INTERELECTRODE CAPACITANCES

GRID #1 TO PLATE (G2 TO P) 0.18 pf
INPUT G2 TO (H+K+G2+ G3) 13 pf
OUTPUT P TO (H+K+G2+ G3) 8 pf

HEATER CHARACTERISTICS AND RATINGS

AVERAGE CHARACTERISTICS 6.3 VOLTS 760 MA.
HEATER SUPPLY LIMITS:
VOLTAGE OPERATION 6.3±0.6 VOLTS
MAX. PEAK HEATER-CATHODE VOLTAGE:
HEATER NEGATIVE TO CATHODE 200 VOLTS
HEATER POSITIVE TO CATHODE 200A VOLTS

A THE DC COMPONENT MUST NOT EXCEED 100 VOLTS.

MAXIMUM RATINGS

PLATE VOLTAGE 390 VOLTS
PLATE PULSE (POSITIVE) VOLTAGE 2500 VOLTS
GRID #2 VOLTAGE 300 VOLTS
NEGATIVE GRID #1 VOLTAGE -100 VOLTS
PLATE DISSIPATION 10 WATTS
GRID #2 DISSIPATION 2 WATTS
GRID #1 CIRCUIT RESISTANCE 1.0 MEGOHM
FIXED BIAS 2.2 MEGOHM
SELF BIAS

INDICATES A CHANGE.
### Average Characteristics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value 1</th>
<th>Value 2</th>
<th>Unit 1</th>
<th>Unit 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plate Voltage</td>
<td>250</td>
<td>250</td>
<td>Volts</td>
<td></td>
</tr>
<tr>
<td>Grid #2 Voltage</td>
<td>125</td>
<td>250</td>
<td>Volts</td>
<td></td>
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<tr>
<td>Grid #3 Voltage</td>
<td>0</td>
<td>0</td>
<td>Volts</td>
<td></td>
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<tr>
<td>Cathode Resistor</td>
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<td>100</td>
<td>Ohms</td>
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<tr>
<td>Plate Current</td>
<td>40</td>
<td>40</td>
<td>MA.</td>
<td></td>
</tr>
<tr>
<td>Grid #2 Current</td>
<td>4.2</td>
<td>6.2</td>
<td>MA.</td>
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<tr>
<td>Mu-Factor: Grid #1 to Grid #2</td>
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<tr>
<td>Transconductance</td>
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<td>20000</td>
<td>MMhos</td>
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<tr>
<td>Plate Resistance</td>
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<td>24</td>
<td>Kohms</td>
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<tr>
<td>Grid #1 Voltage</td>
<td>-6.4</td>
<td>-13</td>
<td>Volts</td>
<td></td>
</tr>
</tbody>
</table>

**For Ib = 100 mA (Approx.)**

### Plate Knee Characteristics

**Instantaneous Readings**

- $E_b = 60$ V, $E_{c2} = 250$ V, $E_{c1} = 0$ V
- Plate Current: 150 MA.
- Grid #2 Current: 37 MA.