MECHANICAL DATA

Style.............................................. subminiature
Cathode............................................. coated, unipotential
Bulb.................................................... T-3
Base...........................................K8-1(1), Subminiature Button--Flexible Leads
Outline.................................................. 3-1
Maximum Bulb Diameter................................ 0.400 inch
Maximum Overall Bulb Length.......................... 1.375 inches
Minimum Lead Length.................................. 1.500 inches
Mounting Position...................................... any
Basing...................................................... 8DK

Lead Connections:
Lead 1 .. grid Lead 5 .. cathode
Lead 2 .. no connection Lead 6 .. heater
Lead 3 .. heater Lead 7 .. no connection
Lead 4 .. no connection Lead 8 .. plate

ELECTRICAL DATA

GENERAL

Direct Interelectrode Capacitances:

<table>
<thead>
<tr>
<th></th>
<th>Shielded(2)</th>
<th>Not Shielded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grid to Plate</td>
<td>0.7</td>
<td>0.8 μuf</td>
</tr>
<tr>
<td>Input</td>
<td>1.9</td>
<td>1.7 μuf</td>
</tr>
<tr>
<td>Output</td>
<td>2.2</td>
<td>0.7 μuf</td>
</tr>
</tbody>
</table>

Heater Voltage................................. 6.3 volts
Heater Current.................................. 150 milliamps

RATINGS -- Design Center Values

Heater Voltage (ac or dc)......................... 6.3 (±10%) volts
Maximum Plate Voltage............................ 150 volts
Maximum Plate Dissipation........................ 0.3 watt
Maximum Heater-Cathode Voltage................... 90 volts
Maximum Cathode Current........................... 2 milliamps
Maximum Grid Circuit Resistance (self bias)...... 1 megohm

(1) With 1,500 inches minimum lead length as specified above.
(2) External shield of 0.405 inch diameter connected to cathode.
TYPE 6AD4

CHARACTERISTICS

Conditions:

- Heater Voltage: 6.3 volts
- Plate Voltage (dc): 100 volts
- Cathode Resistor: 820 ohms
- Plate Current: 1.4 milliamps
- Transconductance: 2,000 μmhos
- Amplification Factor: 70
- Plate Resistance: 35,000 ohms

Grid Voltage for 10 μamps Plate Current: -3.0 volts