MECHANICAL DATA
Bulb ........................................ T-3
Base ....................................... Subminiature Button, Flexible Leads
Basing ...................................... 8DK
Cathode .................................... Unipotential
Mounting Position ........................ Any

ELECTRICAL DATA
HEATER CHARACTERISTICS
Heater Voltage ................................ 6.3 Volts
Heater Current ................................ 150 Ma

DIRECT INTERELECTRODE CAPACITANCES

<table>
<thead>
<tr>
<th></th>
<th>Shielded</th>
<th>Unshielded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grid to Plate</td>
<td>1.3</td>
<td>1.4 μF</td>
</tr>
<tr>
<td>Input</td>
<td>2.2</td>
<td>1.9 μF</td>
</tr>
<tr>
<td>Output</td>
<td>2.2</td>
<td>0.8 μF</td>
</tr>
</tbody>
</table>

RATINGS (Design Center Values)
Plate Voltage ................. 250 Volts Max.
Plate Current ................. 20 Ma Max.
Plate Dissipation ............ 3 Watts Max.
Heater-Cathode Voltage ...... 90 Volts Max.

CHARACTERISTICS AND TYPICAL OPERATION
Plate Voltage .................. 200 Volts
Cathode Bias Resistor\(^2\) .... 680 Ohms
Plate Current .................. 9.5 Ma
Transconductance ............. 3800 μmhos
Amplification Factor ........... 20
Plate Resistance .............. 5300 Ohms
Grid Voltage for \(I_a = 10 \mu A\) .... -20 Volts

NOTES:
1. With 0.405" diameter shield connected to cathode.
2. Provides an operating bias of approximately 6.5 volts. Fixed bias operation is not recommended.
AVERAGE PLATE CHARACTERISTICS

The diagram shows a graph with two axes: one labeled 'PLATE VOLTS' ranging from 0 to 500, and the other labeled 'PLATE CURRENT (Ib) OR GRID (Ic) MILLIAMPERES' ranging from 0 to 35. The grid lines and curves indicate the relationship between plate voltage and plate current for a specific operating point, typically labeled with 'Ecf = 6.3 VOLS'.