TRIPLE GRID
SEMI-REMOTE CUT-OFF AMPLIFIER

UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 0.3 AMPERE
AC OR DC

8N

BOTTOM VIEW

GLASS BULB

SMALL WAFER 8 PIN OCTAL BASE WITH METAL SHELL

THE TUNG-SOL 6SD7GT IS A TRIPLE GRID SEMI-REMOTE CUT-OFF AMPLIFIER. IT IS DESIGNED FOR SERVICE AS A HIGH GAIN RF AND IF AMPLIFIER.

RATINGS

MAXIMUM PLATE VOLTAGE 300 VOLTS
MAXIMUM SCREEN SUPPLY VOLTAGE 300 VOLTS
MAXIMUM SCREEN VOLTAGE 125 VOLTS
MAXIMUM PLATE DISSIPATION 4 WATTS
MAXIMUM SCREEN DISSIPATION 0.4 WATT

DIRECT INTERELECTRODE CAPACITANCES

INPUT: CONTROL GRID TO ALL OTHER ELECTRODES EXCEPT PLATE 9.0 μf
OUTPUT: PLATE TO ALL OTHER ELECTRODES EXCEPT CONTROL GRID 7.5 μf
CONTROL GRID TO PLATE 0.0035 MAX. μf

WITH EXTERNAL SHIELD CONNECTED TO CATHODE.

FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A\textsubscript{1} AMPLIFIER

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value 1</th>
<th>Value 2</th>
<th>Value 3</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLATE VOLTAGE</td>
<td>100</td>
<td>250</td>
<td>250</td>
<td>VOLTS</td>
</tr>
<tr>
<td>SCREEN SUPPLY VOLTAGE</td>
<td>100</td>
<td>100</td>
<td>250</td>
<td>VOLTS</td>
</tr>
<tr>
<td>SCREEN VOLTAGE</td>
<td>100</td>
<td>100</td>
<td>125\textsuperscript{A}</td>
<td>VOLTS</td>
</tr>
<tr>
<td>CONTROL GRID VOLTAGE</td>
<td>-2</td>
<td>-2</td>
<td>-2</td>
<td>VOLTS</td>
</tr>
<tr>
<td>SUPPRESSOR GRID VOLTAGE</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>VOLT</td>
</tr>
<tr>
<td>PLATE CURRENT</td>
<td>5.7</td>
<td>6.0</td>
<td>9.5</td>
<td>MA.</td>
</tr>
<tr>
<td>SCREEN CURRENT</td>
<td>2.0</td>
<td>1.9</td>
<td>3.0</td>
<td>MA.</td>
</tr>
<tr>
<td>PLATE RESISTANCE APPROX.</td>
<td>0.25</td>
<td>1.0</td>
<td>0.7</td>
<td>MEGOHM</td>
</tr>
<tr>
<td>TRANSCONDUCTANCE</td>
<td>3350</td>
<td>3600</td>
<td>4250</td>
<td>(\mu)MOS</td>
</tr>
<tr>
<td>CONTROL GRID VOLTAGE</td>
<td>-11</td>
<td>-11</td>
<td>-27</td>
<td>VOLTS</td>
</tr>
</tbody>
</table>

\textsuperscript{A} OBTAINED THROUGH A SUITABLE VOLTAGE DROPPING RESISTOR.