THE 6327 IS A BEAM POWER PENTODE PRIMARILY DESIGNED FOR RADAR DEFLECTION AMPLIFIER SERVICE. IT WILL PERFORM ESSENTIALLY THE SAME FUNCTION AS TWO 6А6'S CONNECTED IN PARALLEL. A TOP CAP CONNECTION FOR THE PLATE LEAD (AND A BUTTON STEM) PROVIDES ADEQUATE INSULATION FOR OPERATION AT 60,000 FEET PROVIDED THE MAXIMUM BULB TEMPERATURE IS NOT EXCEEDED.

DIRECT INTERELECTRODE CAPACITANCES
WITHOUT EXTERNAL SHIELD

GRID #1 TO PLATE (MAX.)
INPUT
OUTPUT

0.60 pf
13.0 pf
13.0 pf

RATINGS

MAXIMUM HEATER-CATHODE VOLTAGE ±200 VOLTS
MAXIMUM DC PLATE VOLTAGE 1 650 VOLTS
MAXIMUM DC GRID #2 VOLTAGE 330 VOLTS
MAXIMUM DC GRID #1 VOLTAGE -330 VOLTS
MAXIMUM PEAK PLATE VOLTAGE 3 300 VOLTS
MAXIMUM PLATE DISSIPATION 35 WATTS
MAXIMUM GRID #2 DISSIPATION 6.0 WATTS
MAXIMUM DC CATHODE CURRENT 165 MA.
MAXIMUM PEAK CATHODE CURRENT 660 MA.
MAXIMUM GRID #1 CIRCUIT RESISTANCE 250 A KILOHMS
MAXIMUM BULB TEMPERATURE 250°C

A FOR OPTIMUM LIFE MAINTAIN A BULB TEMPERATURE OF 175°C MAX. WITH FORCED AIR COOLING.

CONTINUED ON FOLLOWING PAGE
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

<table>
<thead>
<tr>
<th></th>
<th>Value 1</th>
<th>Value 2</th>
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<tbody>
<tr>
<td>DC PLATE VOLTAGE</td>
<td>250</td>
<td>400</td>
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<tr>
<td>DC GRID #2 VOLTAGE</td>
<td>250</td>
<td>300</td>
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<tr>
<td>DC GRID #1 VOLTAGE</td>
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<td>-40</td>
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<td>DC PLATE CURRENT</td>
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<td>TRANSCONDUCTANCE</td>
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<td>TETRODE AMPLIFICATION FACTOR</td>
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<td>PLATE RESISTANCE (APPROX.)</td>
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<tr>
<td>DC GRID #1 VOLTAGE FOR 1 MA. PLATE CURRENT</td>
<td>-65</td>
<td>-80</td>
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</tbody>
</table>

6327

AVERAGE CHARACTERISTICS
PENTODE CONNECTION
\( E_f = 6.3 \text{ Volts} \)
\( E_{c_2} = 300 \text{ Volts} \)

\[ \begin{align*}
E_f & = 6.3 \text{ Volts} \\
E_{c_2} & = 300 \text{ Volts}
\end{align*} \]