TUNG-SOL

PENTODE
SUBMINIATURE TYPE

COATED FILAMENT
1.25 VOLTS 0.04 AMP.
AC OR DC
ANY MOUNTING POSITION

GLASS BULB
RED DOT IS ADJACENT
TO LEAD 3.
BULB IS ENTIRELY COATED
WITH A METALLIC SHIELD
CONNECTED TO LEAD 3.

THE IAH4 IS A FILAMENT TYPE, FULLY SHIELDED, SUBMINIATURE PENTODE
DESIGNED FOR SERVICE IN RF APPLICATIONS REQUIRING ECONOMY OF SPACE,
WEIGHT, AND BATTERY DRAIN. THE FLEXIBLE TERMINAL LEADS MAY BE SOLDERED
OR WELDED TO CIRCUIT COMPONENTS WITHOUT THE USE OF SOCKETS. STANDARD
SUBMINIATURE SOCKETS MAY BE USED BY CUTTING THE LEADS TO 0.20" LENGTH.

DIRECT INTERELECTRODE CAPACITANCES

GRID TO PLATE (MAX.) 0.01 \( \mu \text{F} 
INPUT 3.5 \( \mu \text{F} 
OUTPUT 4.5 \( \mu \text{F} 

RATINGS
INTERPRETED ACCORDING TO RCA STANDARD MB-210

DESIGN CENTER VALUES

FILAMENT VOLTAGE 1.25 VOLTS
PLATE VOLTAGE 90 VOLTS
GRID #2 VOLTAGE 90 VOLTS
TOTAL CATHODE CURRENT 2.0 MA.

CONTINUED ON FOLLOWING PAGE
**TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS**

**CLASS A1 AMPLIFIER**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Unit</th>
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<tbody>
<tr>
<td>FILAMENT VOLTAGE</td>
<td>1.25</td>
<td>VOLTS</td>
</tr>
<tr>
<td>FILAMENT CURRENT</td>
<td>0.04</td>
<td>AMP.</td>
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<tr>
<td>PLATE VOLTAGE</td>
<td>45</td>
<td>VOLTS</td>
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<tr>
<td>GRID #2 VOLTAGE</td>
<td>---</td>
<td>VOLTS</td>
</tr>
<tr>
<td>GRID #2 SUPPLY VOLTAGE</td>
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<td>VOLTS</td>
</tr>
<tr>
<td>GRID #2 RESISTOR</td>
<td>---</td>
<td>MEGOHM</td>
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<tr>
<td>GRID #1 RESISTOR A</td>
<td>0</td>
<td>VOLTS</td>
</tr>
<tr>
<td>PLATE RESISTANCE</td>
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<td>MEGOHMS</td>
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<tr>
<td>TRANSCONDUCTANCE</td>
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<tr>
<td>PLATE CURRENT</td>
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<tr>
<td>GRID #2 CURRENT</td>
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<td>MA.</td>
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<tr>
<td>GRID #4 VOLTAGE (APPROX.)</td>
<td>-3</td>
<td>VOLTS</td>
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</tbody>
</table>

*Grid resistor = 5 MEGOHMS.*