## Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>3.1-3.5 GHz</td>
</tr>
<tr>
<td>Input/Output Impedance</td>
<td>50 Ω (nominal)</td>
</tr>
<tr>
<td>Output Power (＠P1dB)</td>
<td>120 Watts (min)</td>
</tr>
<tr>
<td>In-band Gain</td>
<td>+60.0 dB (min)</td>
</tr>
<tr>
<td>In-band Gain variation</td>
<td>± 1.5 dB (max)</td>
</tr>
<tr>
<td>Operation Mode</td>
<td>Class-A</td>
</tr>
<tr>
<td>Harmonics</td>
<td>-20 dBC (max)</td>
</tr>
<tr>
<td>Spurious</td>
<td>-70 dBC (max)</td>
</tr>
<tr>
<td>Input VSWR</td>
<td>1.5:1 (max)</td>
</tr>
<tr>
<td>Output VSWR</td>
<td>1.5:1 (max)</td>
</tr>
<tr>
<td>3rd Order Intercept Point (TOI)</td>
<td>+63.0 (typical) dBm</td>
</tr>
<tr>
<td>Noise Figure</td>
<td>10 (typical) dB</td>
</tr>
<tr>
<td>Connectors:</td>
<td></td>
</tr>
<tr>
<td>RF Input</td>
<td>SMA Female</td>
</tr>
<tr>
<td>RF Output</td>
<td>N Female</td>
</tr>
<tr>
<td>Power Supply port</td>
<td>Supplied</td>
</tr>
<tr>
<td>Power Supply</td>
<td>220±15%, Single Phase Volts AC 50/60Hz</td>
</tr>
<tr>
<td>Current</td>
<td>8 A (max.)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 to +35 ºC</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-15 to +65 ºC</td>
</tr>
<tr>
<td>Humidity@+25ºC (none condensing)</td>
<td>15 to 85 % @25 ºC</td>
</tr>
<tr>
<td>Cooling Method</td>
<td>Forced Air Cooling</td>
</tr>
<tr>
<td>Grounding</td>
<td>Chassis</td>
</tr>
<tr>
<td>Weight</td>
<td>30 Kg (max.)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>480(W) x 177(H) x 599.5(D) mm</td>
</tr>
</tbody>
</table>

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**RADITEK SSPA**

**Specifications may be subject to change 05/16/11**

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1 of 2
Microwave Power Amplifier, 3.1-3.5GHz, SMA Female (RF In), N Female (RF Out), Output Power 120Watt@P1dB

RAMP-3.1-3.5-Nf-120W-k5

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