R&K-AA440-0S

**OUTLINE DRAWING**

<table>
<thead>
<tr>
<th>Small Signal Gain &amp; Gain Flatness</th>
<th>Input / Output VSWR</th>
<th>Output Power 1dB Gain Comp.</th>
<th>Output Power 3dB Gain Comp.</th>
<th>Noise Figure</th>
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</thead>
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<td>Frequency (GHz)</td>
<td>VSWR</td>
<td>Output Power (dBm)</td>
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<td>Noise Figure</td>
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**SPECIFICATIONS**

- **Frequency Range**: 100MHz ~ 8000MHz
- **Small Signal Gain**: +39dB (typ.) @3GHz; +37dB (min.) @3GHz
- **Gain Flatness**: ±3.0dB (max.)
- **Output Power@1dB Comp.**: +14dBm (min.) @3GHz
- **Output I.C.P.**: +25dBm (typ.) @3GHz
- **Noise Figure**: 9.0dB (max.)
- **Impedance**: 50Ω
- **Input VSWR**: 1.3 : 1 (typ.)
- **Output VSWR**: 1.5 : 1 (typ.)
- **DC Supply Input**: +5V ±0.2V; 180mA (max.)
- **Maximum RF Input Power**: -18dBm
- **Operating Temperature**: -20°C to +60°C
- **Storage Temperature**: -20°C to +80°C
- **Connectors (Standard)**: SMA- FEMALE
- **Connectors (Option)**: N-FEMALE
- **Weight (Standard)**: 100g (typ.)

**HOW TO ORDER**

Model Name
R&K-AA440-0S
S = SMA- FEMALE
N = N-FEMALE

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