HIGH POWER SWITCHES
Reduce Size and Save Power in Cellular Front Ends

ADRF5130, Silicon SPDT Reflective Switch: 0.7 GHz to 3.5 GHz

- Single 5 V supply, 1 mA self-bias current
- No external components
- 20 W average, 44 W peak power
- Low insertion loss: 0.6 dB
- High isolation: 50 dB
- ESD robustness: 2 kV

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Frequency (GHz)</th>
<th>Power Peak/Average (W)</th>
<th>Insertion Loss</th>
<th>Supply Voltage (V)</th>
<th>Package (mm)</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADRF5130</td>
<td>0.7 to 3.5</td>
<td>44/20</td>
<td>0.6 dB</td>
<td>5</td>
<td>4 × 4</td>
<td>Released</td>
</tr>
<tr>
<td>ADRF5160</td>
<td>0.7 to 3.5</td>
<td>88/40</td>
<td>0.7 dB</td>
<td>5</td>
<td>5 × 5</td>
<td>Sampling</td>
</tr>
</tbody>
</table>

Figure 1. LNA protection in RF front end.
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