GRF2013: 3.3V IF Amplifier (50 – 100 (+) MHz)
GRF2013 Schematic:

- Ven = 3.3V
- Vdd = 3.3V
- 55mA
- 450 ohm
- 1000pF
- 0.1uF
- 220nH + 220nH = 440nH
- 220nH
- 1000pF
- 1.0uF
GRF2013 Response:
GRF2013 Stability Mu Factor:
GRF2013 Data:

Data only shown to 100 MHz, but the application can be extended well beyond that.

<table>
<thead>
<tr>
<th>Descriptor</th>
<th>Freq MHz</th>
<th>Vdd</th>
<th>Iddq mA</th>
<th>Ven</th>
<th>Ien mA</th>
<th>Pout/Ptone dBm</th>
<th>Gain dB</th>
<th>IIP3 dBm</th>
<th>OIP3 dBm</th>
<th>IP1dB dBm</th>
<th>OP1dB dBm</th>
<th>EVB NF dB</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.3V/55mA</td>
<td>50</td>
<td>3.3</td>
<td>55.6</td>
<td>3.3</td>
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<td>20.6</td>
<td>12.0</td>
<td>32.6</td>
<td>-1.3</td>
<td>18.3</td>
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<tr>
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<td>12.7</td>
<td>33.2</td>
<td>-1.1</td>
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<td>1.50</td>
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<td>55.6</td>
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<td>12.7</td>
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<td>-1.1</td>
<td>18.5</td>
<td>1.40</td>
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