R&K-MX330-0S

DOUBLE BALANCED MIXER

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HOW TO ORDER
Model Name: R&K-MX330-0S
S = SMA - FEMALE
N = N - FEMALE

TYPICAL PERFORMANCE (Temp @+25°C)

Conversion Loss

Conversion Loss vs LO Drive Level

Isolation

Input IP3

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Frequency Range [LO&amp;RF]</th>
<th>1300 - 3600MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>IF</td>
<td>DC - 800MHz</td>
</tr>
</tbody>
</table>

Conversion Loss Max. (LO Drive Level +7dBm)

<table>
<thead>
<tr>
<th></th>
<th>1300 - 1800MHz</th>
<th>1800 - 3000MHz</th>
<th>3000 - 3600MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typ.</td>
<td>6.5dB</td>
<td>7.5dB</td>
<td>8.5dB</td>
</tr>
<tr>
<td>Max.</td>
<td>9.5dB</td>
<td>10.5dB</td>
<td>12.5dB</td>
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</tbody>
</table>

Isolation (min.)

<table>
<thead>
<tr>
<th></th>
<th>1300 - 1800MHz</th>
<th>1800 - 3000MHz</th>
<th>3000 - 3600MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>LO - RF</td>
<td>25dB</td>
<td>15dB</td>
<td>12dB</td>
</tr>
<tr>
<td>LO - IF</td>
<td>18dB</td>
<td>18dB</td>
<td>15dB</td>
</tr>
<tr>
<td>RF - IF</td>
<td>8dB</td>
<td>8dB</td>
<td>8dB</td>
</tr>
</tbody>
</table>

Input IP3 @Center Band: +12dBm (typ.)
Input 1dB Comp. Point: +4dBm (typ.)
Impedance (All Ports): 50Ω
Maximum RF Input Power: 50mW
Maximum Peak IF Current: 50mA
Operating Temperature: -40°C to +85°C
Storage Temperature: -40°C to +100°C
Connectors (Standard): SMA-Female
Connectors (Option): N-Female
Weight (SMA Connector): 30g (typ.)

SCHEMATIC