DOUBLE BALANCED MIXER

R&K-MX370-1S

OUTLINE DRAWING

Specifications:
- **LO&RF Frequency**: 2 ~ 6 GHz
- **IF Frequency**: DC ~ 2.5 GHz
- **Lo Drive Level**: +7dBm
- **Low Cost**
- **RoHS Compliance**

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Conversion Loss (Max. (LO Drive Level +7dBm))</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2 - 3.5GHz</td>
</tr>
<tr>
<td>Typ.</td>
<td>6.5dB</td>
</tr>
<tr>
<td>Max.</td>
<td>9.0dB</td>
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</tbody>
</table>

**Isolation (min.)**

<table>
<thead>
<tr>
<th></th>
<th>2 - 3.5GHz</th>
<th>3.5 - 5GHz</th>
<th>5 - 6GHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>LO - RF</td>
<td>15dB</td>
<td>15dB</td>
<td>12dB</td>
</tr>
<tr>
<td>LO - IF</td>
<td>9dB</td>
<td>8dB</td>
<td>10dB</td>
</tr>
<tr>
<td>RF - IF</td>
<td>5dB</td>
<td>8dB</td>
<td>12dB</td>
</tr>
</tbody>
</table>

**Input IP3 @Center Band**: +10dBm (typ.)

**Input 1dB Comp. Point**: + 3dBm (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**: SMA-Female

**Weight**: 65g (typ.)

HOW TO ORDER

Model Name
R&K-MX370-1S

No Option

**TYPICAL PERFORMANCE (Temp @+25°C)**

**Conversion Loss**

**Conversion Loss vs LO Drive Level**

**Isolation**

**Input IP3**

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