**DOUBLE BALANCED MIXER**

**R&K-MX120-1S**

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**SPECIFICATIONS**

- LO&RF Frequency: 0.05 - 300MHz
- IF Frequency: DC - 300MHz
- Lo Drive Level: +20dBm
- Low Cost
- RoHS Compliance

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Conversion Loss Max. (LO Drive Level +20dBm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LO&amp;RF</td>
<td>0.05 - 0.5MHz</td>
</tr>
<tr>
<td>Typ.</td>
<td>6.0dB</td>
</tr>
<tr>
<td>Max.</td>
<td>11.0dB</td>
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</tbody>
</table>

| Isolation (min.) |
|-----------------|-----------------|-----------------|-----------------|
| LO - RF | 0.05 - 0.5MHz | 0.5 - 150MHz | 150 - 300MHz |
| LO - IF | 40dB | 45dB | 50dB |
| RF - IF | 40dB | 20dB | 10dB |

- Input IP3 @Center Band: +25dBm (typ.)
- Input 1dB Comp. Point: +14dBm (typ.)
- Impedance (All Ports): 50Ω
- Maximum RF Input Power: 500mW
- 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): BNC-Female
- Weight (SMA Connector): 65g (typ.)

**HOW TO ORDER**

Model Name
R&K-MX120-1S

S = SMA - FEMALE
B = BNC - FEMALE

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**TYPICAL PERFORMANCE (Temp @+25°C)**

- Conversion Loss
- Conversion Loss vs LO Drive Level
- Isolation
- Input P3

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