DOUBLE BALANCED MIXER

R&K-MX230-1S

OUTLINE DRAWING

※ IN MILLIMETERS

75
65

4-83 Mounting Hole

TYPICAL PERFORMANCE (Temp @+25°C)

Conversion Loss

Conversion Loss vs LO Drive Level

Isolation

Input IP3

SCHEMATIC

- LO&RF Frequency: 500 ~ 2000MHz
- IF Frequency: DC ~ 1000MHz
- Lo Drive Level: +15dBm
- Low Cost
- RoHS Compliance

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Conversion Loss Max. (LO Drive Level+15dBm)</th>
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</thead>
<tbody>
<tr>
<td>LO&amp;RF</td>
<td>LO - IF</td>
</tr>
<tr>
<td>500 - 1000MHz</td>
<td>6.5dB</td>
</tr>
<tr>
<td>1000 - 1500MHz</td>
<td>10.0dB</td>
</tr>
<tr>
<td>1500 - 2000MHz</td>
<td>11.0dB</td>
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</tbody>
</table>

Isolation (min.)

| LO - RF | LO - IF | RF - IF |
| 500 - 1000MHz | 20dB | 20dB | 15dB |
| 1000 - 1500MHz | 20dB | 20dB | 15dB |
| 1500 - 2000MHz | 20dB | 20dB | 15dB |

Input IP3 @Center Band: +18dBm (typ.)
Input 1dB Comp. Point: +8dBm (typ.)
Impedance (All Ports): 50Ω
Maximum RF Input Power: 200mW
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-MX230-1S

No Option

R&K Company Limited
721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan
Tel: +81-545-31-2600 E-mail: info@rkco.jp
Fax: +81-545-31-1600 URL: http://rk-microwave.com

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