DOUBLE BALANCED MIXER

R&K-MX320-1S

OUTLINE DRAWING ※IN MILLIMETERS

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SPECIFICATIONS

<table>
<thead>
<tr>
<th>Frequency Range [LO&amp;RF]</th>
<th>5 - 2400MHz</th>
<th>Conversion Loss Max. (LO Drive Level +20dBm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Typ. 5 - 50MHz</td>
<td>7.0dB</td>
</tr>
<tr>
<td></td>
<td>50 - 1200MHz</td>
<td>7.0dB</td>
</tr>
<tr>
<td></td>
<td>1200 - 2400MHz</td>
<td>8.0dB</td>
</tr>
</tbody>
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Isolation (min.)

| LO - RF | 5 - 50MHz | 45dB | 50dB |
| LO - IF | 50 - 1200MHz | 25dB | 15dB |
| IF - RF | 1200 - 2400MHz | 18dB | 12dB |

Input IP3 @Center Band = +23dBm (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 = SMA-Female
Weight = 65g (typ.)

HOW TO ORDER

Model Name
R&K-MX320-1S

No Option

TYPICAL PERFORMANCE (Temp @+25°C)

Conversion Loss

Conversion Loss vs LO Drive Level

Isolation

Input IP3

SCHEMATIC