DOUBLE BALANCED MIXER

R&K-MX160-0S

OUTLINE DRAWING

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Conversion Loss Max. (LO Drive Level +20dBm)</th>
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<tbody>
<tr>
<td>[LO&amp;RF] 0.1 - 1000MHz</td>
<td>LO - RF: 50dB 1 - 500MHz: 30dB 500 - 1000MHz: 20dB</td>
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<tr>
<td>[IF] DC - 1000MHz</td>
<td>LO - IF: 45dB 1 - 500MHz: 25dB 500 - 1000MHz: 12dB</td>
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<td>RF - IF: 30dB 1 - 500MHz: 10dB 500 - 1000MHz: 5dB</td>
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</table>

Input IP3: Center Band: +27dBm (typ.)
Input 1dB Comp. Point: +15dBm (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): N-Female
Weight (SMA Connector): 30g (typ.)

TYPICAL PERFORMANCE (Temp @+25°C)

Conversion Loss

Conversion Loss vs LO Drive Level

Isolation

Input IP3

HOW TO ORDER

Model Name
R&K-MX160-0S

S = SMA - FEMALE
B = BNC - FEMALE
N = N - FEMALE

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