Coaxial Frequency Mixer

Level 7 (LO Power +7 dBm) 1 to 1000 MHz

Maximum Ratings
- Operating Temperature: -55°C to 100°C
- Storage Temperature: -55°C to 100°C
- RF Power: 50mW
- IF Current: 40mA

Permanent damage may occur if any of these limits are exceeded.

Coaxial Connections
- LO: 1
- RF: 2
- IF: 3

Features
- low conversion loss, 5.72 dB typ.
- good L-R isolation, 40 dB typ, L-I, 35 dB typ.
- wideband, 1 to 1000
- rugged shielded case

Applications
- VHF/UHF
- cellular
- instrumentation

Electrical Specifications

<table>
<thead>
<tr>
<th>FREQUENCY (MHz)</th>
<th>CONVERSION LOSS (dB)</th>
<th>LO-RF ISOLATION (dB)</th>
<th>LO-IF ISOLATION (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF</td>
<td>LO</td>
<td>LO</td>
<td>LO</td>
</tr>
<tr>
<td>LO/RF</td>
<td>IF</td>
<td>Total</td>
<td>Max.</td>
</tr>
<tr>
<td>L</td>
<td>M</td>
<td>U</td>
<td>L</td>
</tr>
<tr>
<td>1-1000 DC-1000</td>
<td>5.72</td>
<td>0.06</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td>50</td>
<td>45</td>
<td>40</td>
</tr>
</tbody>
</table>

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

Applications
- VHF/UHF
- cellular
- instrumentation

Electrical Schematic

For detailed performance specs & shopping online see web site minicircuits.com

IF/RF MICROWAVE COMPONENTS

ISO 9001  ISO 14001  AS 9100 CERTIFIED
Mini-Circuits
®
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500  Fax (718) 332-4661

The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

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Performance Charts

ZFM-2+
ZFM-2

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