4-WAY POWER DIVIDER
SURFACE MOUNT MODEL: M4D96120

WIDE BANDWIDTH
960 - 1200 MHz

FEATURES:
► Excellent Performance
► Optimized Bandwidth
► Small Size, Surface Mount
► Moderate Power
► Lead Free RoHS Compliant

APPLICATIONS:
► Signal Splitting & Low Power Combining

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Frequency</th>
<th>960 - 1200 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss (dB) *</td>
<td>Typ.</td>
</tr>
<tr>
<td></td>
<td>0.3</td>
</tr>
<tr>
<td>Isolation (dB)</td>
<td>Typ.</td>
</tr>
<tr>
<td></td>
<td>23</td>
</tr>
<tr>
<td>Phase Unbalance</td>
<td>Typ.</td>
</tr>
<tr>
<td></td>
<td>0.9°</td>
</tr>
<tr>
<td>Amplitude Unbalance (dB)</td>
<td>Typ.</td>
</tr>
<tr>
<td></td>
<td>0.2</td>
</tr>
<tr>
<td>Return Loss (dB)</td>
<td>Typ.</td>
</tr>
<tr>
<td></td>
<td>18</td>
</tr>
<tr>
<td>Input Power **</td>
<td>5 Watt (Max.)</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 Ohms (Nom.)</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-40 to +85 °C</td>
</tr>
</tbody>
</table>

* Above 6.0 dB theoretical split loss.
** Handling power applies to splitter mode and assumes ideal 50 Ohms impedance matching on all ports.

PORT CONFIGURATION

<table>
<thead>
<tr>
<th>Input</th>
<th>Output</th>
<th>GND</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2,3,4,5</td>
<td>All Others</td>
</tr>
</tbody>
</table>

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4-WAY POWER DIVIDER
SURFACE MOUNT MODEL: M4D96120

WIDE BANDWIDTH 960 - 1200 MHz

DATA @ 25ºC

PERFORMANCE PLOTS

Phase Unbalance (deg)

Frequency (MHz)

In-3 In-4 In-5

Isolation (dB)

Frequency (MHz)

2-3 3-4 4-5 5-6
4-WAY POWER DIVIDER
SURFACE MOUNT MODEL: M4D96120

WIDE BANDWIDTH
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DATA @ 25°C

PERFORMANCE PLOTS

Return Loss (dB) vs Frequency (MHz)

- INPUT (1)
- OUT (2)
- OUT (3)
- OUT (4)

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