Coaxial 
Power Splitter/Combiner 

2 Way-0° Resistive  50Ω  DC to 4200 MHz

Maximum Ratings
Operating Temperature  -55°C to 100°C
Storage Temperature  -55°C to 100°C
Power Input (as a splitter)  0.75W max.
Internal Dissipation  0.375W max.

Coaxial Connections
SUM PORT  3
PORT 1   1
PORT 2   2

Features
• very wideband, DC to 4200 MHz
• low insertion loss, 0.1 dB typ.
• excellent amplitude unbalance, 0.02 dB typ.
• rugged shielded case

Applications
• laboratory
• test set-ups

Electrical Specifications

<table>
<thead>
<tr>
<th>FREQ. RANGE (MHz)</th>
<th>ISOLATION (dB)</th>
<th>INSERTION LOSS (dB)</th>
<th>PHASE UNBALANCE (Degrees)</th>
<th>AMPLITUDE UNBALANCE (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-4200</td>
<td>6.2</td>
<td>6.5</td>
<td>7.0</td>
<td>0.1</td>
</tr>
</tbody>
</table>

This is a resistive power divider to enable frequency coverage from dc to the highest rated frequency. Since resistive power divider do not provide a high degree of isolation (basically isolation equals the insertion loss between ports), an amplifier such as Mini-Circuits' ZFL series is recommended when high isolation is required. Matched power rating 0.75W, internal load dissipation 0.375W.

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