High Power Combiner

4 Way-0°  50Ω  570 to 870 MHz

Maximum Ratings
- Operating Temperature: -55°C to 90°C
- Storage Temperature: -55°C to 100°C
- DC Current: 600 A (150mA for each port)
- Permanent damage may occur if any of these limits are exceeded.

Coaxial Connections
- SUM PORT S
- PORT 1 1
- PORT 2 2
- PORT 3 3
- PORT 4 4

Outline Drawing

Outline Dimensions (inch)

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.06</td>
<td>3.13</td>
<td>1.00</td>
<td>250</td>
<td>1430</td>
<td>5030</td>
<td>6810</td>
<td>250</td>
</tr>
<tr>
<td>179.32</td>
<td>79.50</td>
<td>26.30</td>
<td>03</td>
<td>36.32</td>
<td>143.00</td>
<td>172.97</td>
<td>6.35</td>
</tr>
<tr>
<td>J</td>
<td>K</td>
<td>L</td>
<td>M</td>
<td>N</td>
<td>P</td>
<td>wt</td>
<td>grams</td>
</tr>
<tr>
<td>2.875</td>
<td>.56</td>
<td>5.35</td>
<td>.73</td>
<td>1.40</td>
<td>73.03</td>
<td>86.66</td>
<td>11.18</td>
</tr>
</tbody>
</table>

Features
- high power, up to 10W input power
- low insertion loss, 0.3 dB typ.
- high isolation, 28 dB typ.
- good sum-port VSWR, 1.1 typ.
- good VSWR at ports 1-4, 1.15 typ.

Applications
- tv broadcast
- UHF

High Power Combiner Electrical Specifications

Typical Performance Data

1. Over -55°C to +55°C. Derate linearly to 20% of rating at 90°C.
2. As a combiner of non-coherent signals, max. power per port is power rating divided by number of ports.

Notes
- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit’s applicable established test performance criteria and measurement instructions.
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