### DC Pass

#### Power Splitter/Combiner

4 Way-0° 50Ω 800 to 900 MHz

### Maximum Ratings
- Operating Temperature: -55°C to 100°C
- Storage Temperature: -55°C to 100°C
- Power Input (as a splitter): 10W max.
- Internal Dissipation: 0.375W max.
- DC Current: 1.0 A (250mA 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 Dimensions (inch/mm)
- A: 2.26
- B: 2.00
- C: .70
- D: .200
- E: 2.060
- F: 1.800
- G: 57.40
- H: 50.80
- I: 17.78
- J: 5.08
- K: 52.32
- L: 45.72
- M: .125
- N: 1.13
- P: .35
- Q: .38
- Wt: .500 grams
- W: 2.18
- X: 28.70
- Y: 8.89
- Z: 9.65
- AA: 12.70
- BB: 59

### Features
- High isolation, 30dB typ.
- Excellent VSWR
- Up to 10W power input as splitters

### Applications
- Cellular
- Communication systems

### Electrical Specifications

#### Typical Performance Data

<table>
<thead>
<tr>
<th>Freq. (MHz)</th>
<th>Total Loss1 (dB)</th>
<th>Amp. Unbal. (dB)</th>
<th>Isolation (dB)</th>
<th>Phase Unbal. (deg.)</th>
<th>VSWR S</th>
<th>VSWR 1</th>
<th>VSWR 2</th>
<th>VSWR 3</th>
<th>VSWR 4</th>
</tr>
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<tbody>
<tr>
<td>800.00</td>
<td>6.26</td>
<td>6.27</td>
<td>6.19</td>
<td>6.22</td>
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<td>29.00</td>
<td>33.10</td>
<td>27.48</td>
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<td>36.97</td>
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<td>6.21</td>
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<td>34.37</td>
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<td>6.14</td>
<td>6.18</td>
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<td>30.33</td>
<td>40.98</td>
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<td>23.76</td>
<td>32.54</td>
<td>25.13</td>
<td>0.57</td>
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</tbody>
</table>

1. Total Loss = Insertion Loss + 6dB splitter loss.

### Typical Performance Data

#### Total Loss (dB)
- S-1 (Typ.): 0.41
- S-2 (Min.): 0.11
- S-3 (Max.): 1.15
- S-4 (Max.): 1.16

#### Amplitude Unbalance (dB)
- 1-2 (Typ.): 0.11
- 1-2 (Max.): 1.15
- 2-3 (Typ.): 0.11
- 2-3 (Max.): 1.16
- 3-4 (Typ.): 0.11
- 3-4 (Max.): 1.17

### VSWR
- S (Out): 1.08
- S (Max.): 1.25
- S (Typ.): 1.17
- S (Max.): 1.30

### 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.
- C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, “Standard Terms”). Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits’ website at www.minicircuits.com/MCLStore/terms.jsp

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**ZC4PD-900**

**ZC4PD-900+**

**CASE STYLE: Z184**

**Connectors**
- SMA

**Model**
- ZC4PD-900-S(+)

**REV. D**
- M151107
- ED-96470
- ZC4PD-900
- HY/TD/CP/AM
- 151016

**Features**
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- Excellent VSWR
- Up to 10W power input as splitters

**Applications**
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- Communication systems

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