DC Pass
Power Splitter/Combiner

ZAPD-1+
ZAPD-1

2 Way-0°  50Ω  500 to 1000 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  0.125W max.
DC Current  500 mA (250mA for each port)

Coaxial Connections
SUM PORT  S
PORT 1  1
PORT 2  2

Features
• wideband, 500 to 1000 MHz
• low insertion loss, 0.25 dB typ.
• good isolation, 25 dB typ.
• up to 10W power input as splitter
• excellent amplitude unbalance, 0.1 dB typ.
• excellent phase unbalance, 0.2 deg. typ.
• excellent VSWR, 1.1:1 typ.
• rugged shielded case

Applications
• UHF
• cellular
• communications systems
• instrumentation

Electrical Specifications

<table>
<thead>
<tr>
<th>FREQ. RANGE (MHz)</th>
<th>ISOLATION (dB)</th>
<th>INSERTION LOSS (dB)</th>
<th>PHASE UNBALANCE (Deg.)</th>
<th>AMPLITUDE UNBALANCE (dB)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>S-1 Typ.</td>
<td>Min.</td>
<td></td>
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<tr>
<td></td>
<td>S-2 Typ.</td>
<td>Max.</td>
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<td></td>
<td></td>
<td></td>
<td>Max.</td>
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<tr>
<td>500-1000</td>
<td>25</td>
<td>19</td>
<td>0.25</td>
<td>0.6</td>
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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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Mini-Circuits
P.O. Box 35166, Brooklyn, NY 11235-0003  (718) 934-4500  sales@minicircuits.com

ZAPD-1

Outline Drawing

Outline Dimensions (inch/mm)

<table>
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<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>
<th>J</th>
<th>K</th>
<th>L</th>
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<td>2.00</td>
<td>2.00</td>
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<td>1.00</td>
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<td>6.35</td>
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