Coaxial
Fixed Attenuator

HAT-10+

50Ω 1W 10dB DC to 2000 MHz

Maximum Ratings
Operating Temperature: -45°C to 100°C
Storage Temperature: -55°C to 100°C

Permanent damage may occur if any of these limits are exceeded.

Outline Drawing

Outline Dimensions (inch mm)

B D wt
0.62 1.94 grams
15.75 49.28 30.0

Features
• excellent VSWR, 1.05:1 typ.
• excellent flatness, 0.10 dB typ. to 2000 MHz
• usable to 4000 MHz

Applications
• PCS
• instrumentation
• cellular

Electrical Specifications

<table>
<thead>
<tr>
<th>FREQ. RANGE (MHz)</th>
<th>ATTENUATION (dB) Flattens*</th>
<th>VSWR (-1)</th>
<th>MAX. INPUT POWER (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>f_d</td>
<td>DC-0.5 GHz</td>
<td>DC-1 GHz</td>
<td>DC-2 GHz</td>
</tr>
<tr>
<td>DC-2000</td>
<td>10×0.2</td>
<td>0.05</td>
<td>0.10</td>
</tr>
</tbody>
</table>

* Flattens = variation over band divided by 2.

Typical Performance Data

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>Attenuation (dB)</th>
<th>VSWR (-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.00</td>
<td>10.00</td>
<td>1.00</td>
</tr>
<tr>
<td>50.00</td>
<td>10.00</td>
<td>1.00</td>
</tr>
<tr>
<td>100.00</td>
<td>10.02</td>
<td>1.00</td>
</tr>
<tr>
<td>250.00</td>
<td>10.04</td>
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<tr>
<td>500.00</td>
<td>10.04</td>
<td>1.00</td>
</tr>
<tr>
<td>750.00</td>
<td>10.04</td>
<td>1.01</td>
</tr>
<tr>
<td>1000.00</td>
<td>10.06</td>
<td>1.01</td>
</tr>
<tr>
<td>1500.00</td>
<td>10.04</td>
<td>1.04</td>
</tr>
<tr>
<td>1750.00</td>
<td>10.03</td>
<td>1.07</td>
</tr>
<tr>
<td>2000.00</td>
<td>10.02</td>
<td>1.11</td>
</tr>
</tbody>
</table>

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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