Surface Mount
Directional Coupler
50Ω  5 to 1000 MHz

Maximum Ratings
- Operating Temperature: -40°C to 85°C
- Storage Temperature: -55°C to 100°C

Pin Connections
- INPUT: 1
- OUTPUT: 6
- COUPLED: 3
- GROUND: 2
- 50Ω TERM EXTERNAL: 4
- ISOLATE (DO NOT USE): 5

Features
- Wideband, 5-1000 MHz
- Low mainline loss, 0.5 dB typ.
- High directivity, 21 dB typ.
- Aqueous washable
- Protected by U.S. Patents 6,133,525 & 6,140,887

Applications
- Cable TV
- Communications

Typical Performance Data

Directional Coupler Electrical Specifications

<table>
<thead>
<tr>
<th>FREQ. (MHz)</th>
<th>COUPLING (dB)</th>
<th>MAINLINE LOSS1 (dB)</th>
<th>DIRECTIVITY (dB)</th>
<th>VSWR (≤1)</th>
<th>POWER INPUT, W</th>
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<td>5-1000</td>
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<td></td>
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<tr>
<td>5.00</td>
<td>0.41</td>
<td>19.60</td>
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<td>27.32</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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