Coaxial Directional Coupler

ZDC-10-1+
ZDC-10-1

50Ω 0.5 to 500 MHz

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

Coaxial Connections
INPUT 3
OUTPUT 2
COUPLED 1

Features
• excellent directivity, 32 dB typ.
• excellent insertion loss, 0.65 dB typ.
• rugged shielded case

Applications
• VHF/HF
• instrumentation
• communication receivers & transmitters

Directional Coupler Electrical Specifications

<table>
<thead>
<tr>
<th>FREQ. RANGE (MHz)</th>
<th>COUPLING (dB)</th>
<th>MAINLINE LOSS' (dB)</th>
<th>DIRECTIVITY (dB)</th>
<th>VSWR (:1)</th>
<th>POWER INPUT (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L</td>
<td>M</td>
<td>U</td>
<td>L</td>
<td>M</td>
</tr>
<tr>
<td>0.5-500</td>
<td>11.5±0.5</td>
<td>±0.6</td>
<td>0.85</td>
<td>1.0</td>
<td>1.0</td>
</tr>
</tbody>
</table>

L = low range [f_L to 10 f_L]
M = mid range [10 f_L to f_U/2]
U = upper range [f_U/2 to f_U]

1. Mainline loss includes theoretical power loss at coupled port.

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.