Coaxial Directional Coupler

ZFDC-10-5

50Ω 1 to 2000 MHz

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

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

Coaxial Connections
- INPUT: 1
- OUTPUT: 2
- COUPLED: 3

Outline Drawing

Outline Dimensions (inch / mm)
A B C D E F G H
1.25 1.25 .75 .63 .38 1.00 .125 1.000
31.75 31.75 19.05 16.00 9.65 25.40 3.18 25.40

J K L M N P Q wt
-- -- .125 1.888 2.18 .75 .07 grams
-- -- 3.18 42.88 55.37 19.05 1.78 70.0

Features
- very wideband, 1 to 2000 MHz
- excellent directivity, 30 dB typ.
- rugged shielded case

Applications
- cellular
- instrumentation
- communication receivers & transmitters
- GPS

Typical Performance Data

Directional Coupler Electrical Specifications

- FREQUENCY (MHz)
- COUPLING (dB)
- MAINLINE LOSS (dB)
- DIRECTIVITY (dB)
- VSWR (≤1)
- POWER INPUT (W)

<table>
<thead>
<tr>
<th>FREQUENCY (MHz)</th>
<th>COUPLING (dB)</th>
<th>MAINLINE LOSS (dB)</th>
<th>DIRECTIVITY (dB)</th>
<th>VSWR (≤1)</th>
<th>POWER INPUT (W)</th>
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<td>In-Out</td>
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Notes:
1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet.
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