# Coaxial Directional Coupler

**ZEDC-15-2B**

50Ω 1 to 1000 MHz

## Maximum Ratings

- **Operating Temperature**: -55°C to 100°C
- **Storage Temperature**: -55°C to 100°C

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

## Coaxial Connections

- **INPUT**: 1
- **OUTPUT**: 2
- **COUPLED**: 3

## Features
- wideband, 1 to 1000 MHz
- excellent mainline loss, 0.8 dB typ.
- excellent directivity, 30 dB typ.
- rugged shielded case

## Applications
- VHF/UHF
- instrumentation
- communication receivers & transmitters
- cellular

## Typical Performance Data

**Directional Coupler Electrical Specifications**

<table>
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<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>
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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.
2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. The parts covered by this specification sheet are subject to Mini-Circuits' standard limited warranty and terms and conditions (collectively, "Standard Terms"). Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.
3. For detailed performance specs & shopping online see website

## Outline Drawing

- **Outline Dimensions (inch)**
  - A: .83
  - B: .83
  - C: .75
  - D: .37
  - E: .42
  - F: 1.25
  - G: .10
  - H: 21.06
  - J: 21.06
  - K: 19.05
  - L: 9.40
  - M: 10.67
  - N: 31.75
  - wt: 2.54
  - 1.050
  - .10
  - .640
  - .21
  - .106
  - .06
  - grams: .66
  - 25.67
  - 2.54
  - 16.36
  - 6.33
  - 2.69
  - 1.52
  - 22.0

## Outline Dimensions (mm)

## Outline Drawing

- **Outline Drawing**

## Diagrams

- **Electrical Schematic**

For detailed performance specs & shopping online see website.