

Coaxial Adapter, BNC Female / Female Hermetically Sealed Bulkhead



**LCAD30002**

**Configuration**

- BNC Female Connector 1
- BNC Female Connector 2
- Impedance 50 Ohm
- Straight Body Geometry
- Bulkhead Mount Method

**Features**

- Provides In-Series BNC to BNC Connections
- Operates to 4 GHz
- Max VSWR of 1.5:1
- Gold Plated Center Contacts
- Bulkhead Mount

**Applications**

**Description**

These L-com RF Coaxial Adapters are used to interface between BNC to BNC with coaxial connections. The LCAD30002 is a straight bulkhead adapter with a female to female configuration. This Coaxial Adapter, BNC Female / Female Hermetically Sealed Bulkhead is made from brass and has a nickel finish. BNC adapters interface design is defined by Mil-STD-348A and has no tool required bayonet mount coupling mechanism with a robust center contact and outer conductor interface. BNC's generally work up to 3 GHz and are a cost effective way of insuring a highly dependable RF Coaxial connection. L-com's RF Coaxial and Triaxial adapters are in stock and ship same day.

**Electrical Specifications**

| Description                          | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range                      | DC      |         | 4       | GHz   |
| VSWR                                 |         |         | 1.5:1   |       |
| Operating Voltage (AC)               |         |         | 500     | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 1,500   | Vrms  |
| Inner Conductor DC Resistance        |         |         | 1.5     | mOhms |
| Outer Conductor DC Resistance        |         |         | 1       | mOhms |
| Insulation Resistance                | 5,000   |         |         | MOhms |

**Mechanical Specifications**

**Size**

| Description | Connector 1 | Connector 2 |
|-------------|-------------|-------------|
| Type        | BNC Female  | BNC Female  |
| Polarity    | Standard    | Standard    |

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**Material Specifications**

| Description     | Connector 1 |         | Connector 2 |                |
|-----------------|-------------|---------|-------------|----------------|
|                 | Material    | Plating | Material    | Plating        |
| Type            | BNC Female  |         | BNC Female  |                |
| Contact         | Brass       | Gold    | Brass       | Gold           |
| Insulation      | PTFE        |         | PTFE        |                |
| Outer Conductor | Brass       | Nickel  | Brass       | Nickel<br>Gold |
| Body            | Brass       | Nickel  | Brass       | Nickel         |
| Gasket          | Rubber      |         | PTFE        |                |
| Washer          | Brass       | Nickel  |             |                |

**Environmental Specifications**

**Temperature**

Operating Range -65°C to +165°C

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Coaxial Adapter, BNC Female / Female Hermetically Sealed Bulkhead from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components. The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document. The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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## L-com CAD Drawing

