

75 Ohm BNC Female to 75 Ohm BNC Female Adapter



LCAD9802

Configuration

- BNC Female Connector 1
- BNC Female Connector 2
- 75 Ohm
- Straight Body Geometry

Features

- Max VSWR of 1.3:1 up to 1 GHz
- BNC interface compliant with MIL-STD-348A
- 30 μ m minimum contact plating
- Gold Plated Brass Contact

Applications

- General Purpose Test
- CATV

Description

L-com's LCAD9802 75 ohm BNC female to BNC female adapter is part of our full line of RF components available for sameday shipping. Our BNC to BNC adapter has a female to female gender configuration. LCAD9802 BNC female to BNC female adapter operates to 1 GHz. The L-com RF adapter provides good VSWR of 1.3:1 maximum.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/ disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. L-com also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 1,000 | MHz |
| Impedance | | 75 Ohm | | |
| VSWR | | 1.24:1 | 1.3:1 | |
| Operating Voltage (AC) | | | 500 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,500 | Vrms |
| Inner Conductor DC Resistance | | | 1.5 | |
| Outer Conductor DC Resistance | | | 1 | mOhms |
| Insulation Resistance | 5,000 | | | MOhms |

Mechanical Specifications

Size

| | |
|--------|--------------------|
| Length | 1.29 in [32.77 mm] |
| Width | 0.43 in [10.92 mm] |
| Height | 0.43 in [10.92 mm] |
| Weight | 0.03 lbs [12.25 g] |

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

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| Description | Connector 1 | Connector 2 |
|-------------------------|--------------|--------------|
| Polarity | Standard | Standard |
| Interface Specification | MIL-STD-348A | MIL-STD-348A |
| Mating Cycles, Min | 500 | 500 |

Material Specifications

| Description | Connector 1 | | Connector 2 | |
|-----------------|-------------|---------------------------|-------------|---------------------------|
| | Material | Plating | Material | Plating |
| Type | BNC Female | | BNC Female | |
| Contact | Brass | Gold 30 µin minimum | Brass | Gold 30 µin minimum |
| Insulation | PTFE | | PTFE | |
| Outer Conductor | Brass | Nickel 100 µin minimum | Brass | Nickel 100 µin minimum |

Environmental Specifications

Temperature

Operating Range

Vibration

Salt Spray

-65 to +165 °C

MIL-STD-202, Method 204, Condition D

MIL-STD-202, Method 101, Condition B

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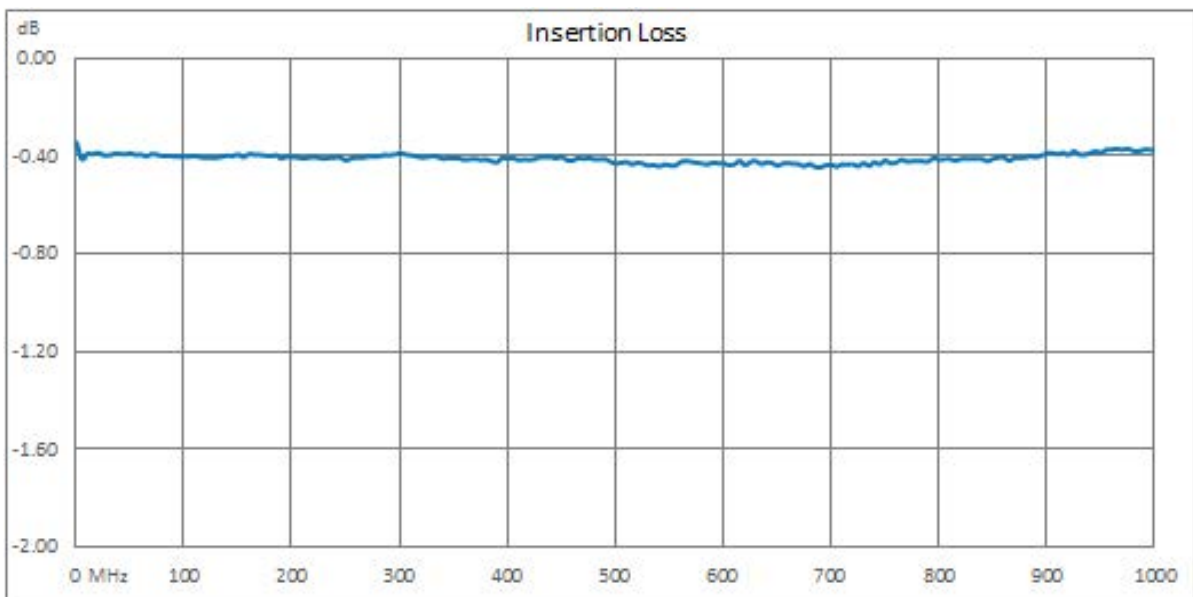


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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Typical Performance Data



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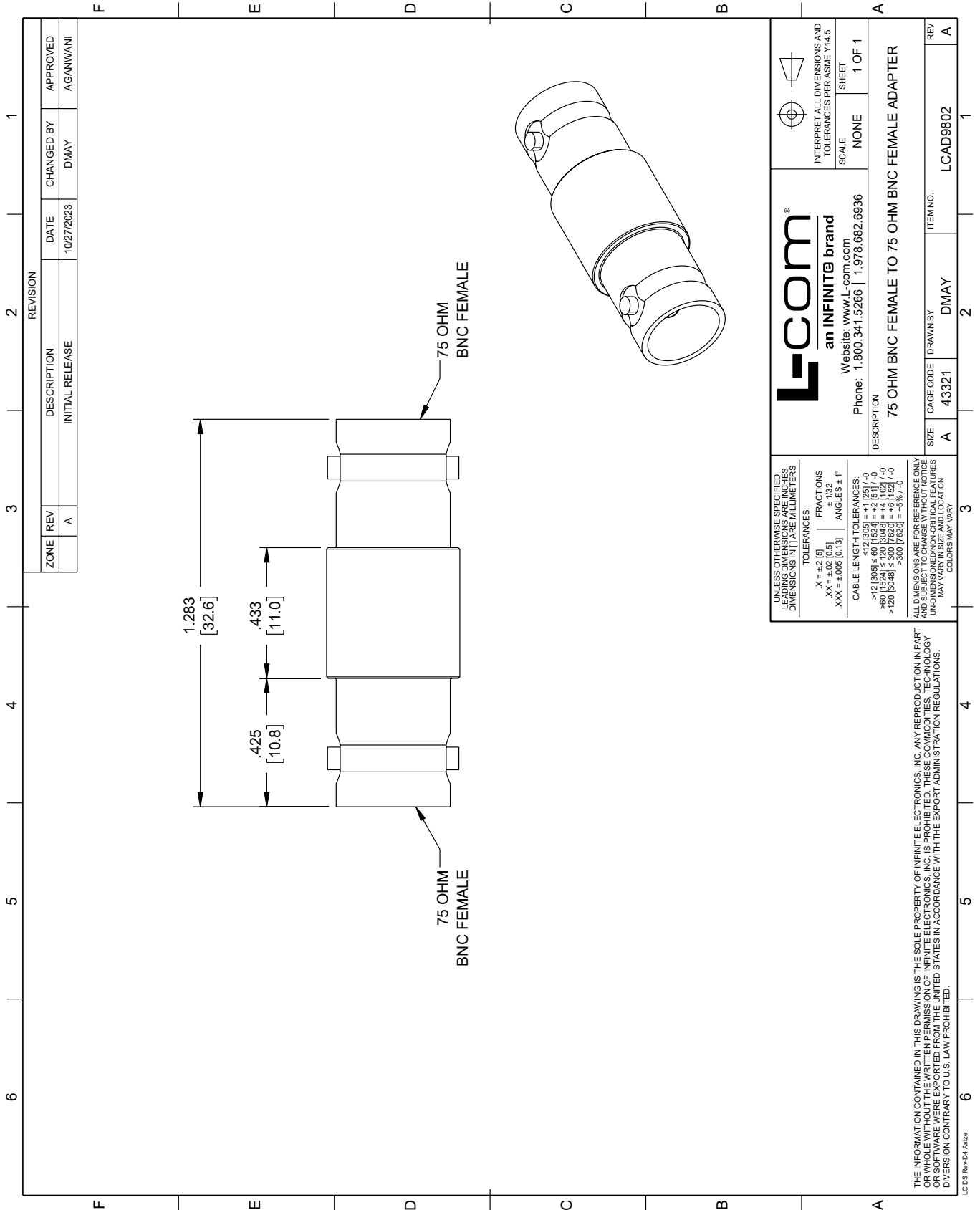
75 Ohm BNC Female to 75 Ohm BNC Female Adapter from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/bnc-female-bnc-female-straight-adapter-lcad9802-p.aspx>

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 implement 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.

LCAD9802 CAD Drawing

75 Ohm BNC Female to 75 Ohm BNC Female Adapter



| REVISION | | DATE | CHANGED BY | APPROVED |
|----------|-----|-------------|-----------------|----------|
| ZONE | REV | DESCRIPTION | INITIAL RELEASE | |
| | A | | | AGANWANI |

| | |
|--|---|
| <p>L-com an INFINITE brand</p> <p>Website: www.L-com.com</p> <p>Phone: 1.800.341.5266 1.978.682.6936</p> | <p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p> |
| | <p>DESCRIPTION: 75 OHM BNC FEMALE TO 75 OHM BNC FEMALE ADAPTER</p> |
| <p>UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.</p> <p>TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]</p> <p>FRACTIONS: ± 1/32 ANGLES: ± 1°</p> <p>CABLE LENGTH TOLERANCES: ≤ 12 [305] ±.005 [0.13] >12 [305] ≤ 60 [1524] = ±.01 [0.25] >60 [1524] ≤ 120 [3048] = ±.02 [0.51] >120 [3048] ≤ 300 [7620] = ±.03 [0.76]</p> <p>ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS. COLORS MAY VARY.</p> | <p>ITEM NO. LCAD9802</p> <p>REV A</p> |

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