

Coaxial Adapter, N Female / BNC Female Bulkhead



**LCAD30032**

**Configuration**

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

**Features**

- Provides Between Series N to BNC Connections
- Operates to 4 GHz
- Max VSWR of 1.3:1
- Gold Plated Center Contacts
- Bulkhead Mount

**Applications**

**Description**

These L-com RF Coaxial Adapters are used to interface between Type N to BNC with coaxial connections. The LCAD30032 is a straight bulkhead adapter with a female to female configuration. This Coaxial Adapter, N Female / BNC Female Bulkhead is made from brass and has a nickel finish. The Type N interface design is defined by Mil-STD-348A and has many popular features including a threaded coupling method with a robust center contact and outer conductor interface. Type-N adapters generally operate to 12 GHz but precision versions will operate to 18 GHz. The larger size provides a very secure and robust interface and is often used as the output port on RF equipment. Type-N adapters are often used as port protectors insuring that expensive test equipment ports are not damaged during repeated use. 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			1.3:1	
Operating Voltage (AC)			500	Vrms

**Mechanical Specifications**

Size			
Length		1.46in	37.08mm]
Width		0.87in	[22.1mm]

  

Description	Connector 1	Connector 2
Type	N Female	BNC Female
Polarity	Standard	Standard

Coaxial Adapter, N Female / BNC Female Bulkhead



**LCAD30032**

**Material Specifications**

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Female		BNC Female	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel	Brass	Nickel
Body	Brass	Nickel	Brass	Nickel
Gasket	Silicone			

**Environmental Specifications**

**Temperature**

Operating Range -65°C to +165°C

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

**Plotted and Other Data**

Coaxial Adapter, N Female / BNC Female 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.

# Coaxial Adapter, N Female / BNC Female Bulkhead

## L-com CAD Drawing

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	01/16/2020
		APPROVED SELLIS

  

5/8-24UNEF-2A

.53 FLAT [13.6]

.9 [22]

1.46 [37.2]

.48 [12.2]

.07 [1.75]

$\phi .7$  [19]

$\phi .9$  [22]

.10 [2.5]

.02 [0.5]

H.75 [19]

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

X = ±.2 [5.08]	FRACTIONS ± 1/32	ANGLES ± 1°
.XX = ±.02 [ .51 ]		
XXX = ±.005 [ .13 ]		

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0	12 [305] < L ≤ 60 [1524] = +2 [51] / -0	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0	300 [7620] < L = +5% / -0	

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE N/A

REV A

PART NUMBER LCAD30032

DRAWN BY BPUCHASKI

CAGE CODE A 43321

E-mail: CustomerService@L-com.com

Website: www.L-com.com

Fax: 1.978.689.9484

Phone: 1.800.341.5266 | 1.978.682.6936

an INFINITE brand

L-com

50 High Street, West Mill, 3rd Floor, Suite #30  
North Andover, MA 01845 USA.

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.