

## N Female to BNC Male adapter, 3GHz VSWR1.25



### LCAD1406

#### Configuration

- N Female Connector 1
- BNC Male Connector 2

#### Features

- VSWR of 1.25:1 max up to 3 GHz
- Type N interface meets MIL-STD-348B
- BNC interface meets MIL-STD-348B
- Gold over Nickel over Copper Plated Beryllium Copper Contact

#### Applications

- Enables Between Series Connections
- General Purpose Test

#### Description

L-com's type N female to BNC male adapter LCAD1406 is part of our full line of RF components available for same-day shipping. Our type N to BNC adapter has a female-to-male gender configuration. It provides the ability to connect between a Type N male and a BNC female interface. Interconnection of these interfaces is often found in a test lab or in field environments where devices of differing interface types are interconnected. LCAD1406 type N female to BNC male adapter operates to 3 GHz. The L-com RF adapter provides a good VSWR of 1.25:1 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 connector is made with the adapter, which can easily be 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 adapters to serve all of your RF, microwave, and millimeter wave needs.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
VSWR			1.25:1	
Insertion Loss			0.103	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

#### Mechanical Specifications

##### Size

Length	1.30 in [33.02 mm]
Width	0.62 in [15.80 mm]
Height	0.62 in [15.80 mm]
Weight	0.06 lbs [27.22 g]

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Description	Connector 1	Connector 2
Polarity	Standard	Standard
Interface Specification	MIL-STD-348B	MIL-STD-348B
Mating Cycles, Min	500	500
Mating Torque	6 to 10 in-lbs 0.68 to 1.13 Nm	0.6 to 2.5 in-lbs 0.07 to 0.28 Nm
Contact Captivation Axial Force, Min	6.3 lbs [2.86 kg]	6.1 lbs [2.77 kg]
Coupling Proof Torque	15 in-lbs [1.7 Nm]	
Coupling Retention, Min		101.2 lbs [45.9 kg]

### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	N Female		BNC Male	
Contact	Beryllium Copper	Gold over Nickel over Copper	Beryllium Copper	Gold over Nickel over Copper
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Copper-Tin-Zinc	Brass	Copper-Tin-Zinc
Body	Brass	Copper-Tin-Zinc	Brass	Copper-Tin-Zinc
Gasket	Silicone		Silicone	
Washer	Brass	Copper-Tin-Zinc	Brass	Copper-Tin-Zinc

### Environmental Specifications

#### Temperature

Operating Range

-65 to +165 °C

Humidity

MIL-STD-202, Method 206

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

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**Compliance Certifications** (see product page for current document)

### Plotted and Other Data

N Female to BNC Male adapter, 3GHz VSWR1.25 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/n-jack-bnc-plug-adapter-3ghz-vswr1.25-lcad1406.html>

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.

# LCAD1406 CAD Drawing

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