

Coaxial Right Angle Adapter, TNC Male / BNC Female



LCAD30038

Configuration

- TNC Male Connector 1
- BNC Female Connector 2
- Impedance 50 Ohm
- Tee Body Geometry

Features

- Provides Between Series TNC to BNC Connections
- Gold Plated Center Contacts
- Right Angle Body Geometry

Applications

Description

These L-com RF Coaxial Adapters are used to interface between TNC to BNC with coaxial connections. The LCAD30038 is a tee adapter with a male to female configuration. This Coaxial Right Angle Adapter, TNC Male / BNC Female is made from brass and has a nickel finish. TNC connectors are a robust connector that are roughly between an SMA and a Type-N connector. The TNC connector has been very popular for use in WiFi products for many years because of the combination of size, max operating frequency and cost. Since the majority of test equipment use SMA, Type-N or other type of interface an adapter is required to interface with test equipment when evaluating product that uses TNC connectors. 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
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size		
Length	1.04in	26.42mm]
Width	0.8in	[20.32mm]
Height	0.57in	[14.48mm]

Description	Connector 1	Connector 2
Type	TNC Male	BNC Female
Polarity	Standard	Standard

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	TNC Male		BNC Female	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Nickel
Body	Brass	Nickel	Brass	Nickel
Coupling Nut	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 Right Angle Adapter, TNC Male / BNC Female 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.

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L-com CAD Drawing

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

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<p>SIZE A</p> <p>CASE CODE 43321</p> <p>DRAWN BY BPUCHASKI</p>	<p>PART NUMBER LCAD30038</p>	<p>REV A</p>

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