

Coaxial Adapter, SMA Female / BNC Female Bulkhead



LCAD30027

Configuration

- SMA 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
- Gold Plated Center Contacts
- Bulkhead Mount

Applications

Description

These L-com RF Coaxial Adapters are used to interface between SMA to BNC with coaxial connections. The LCAD30027 is a straight bulkhead adapter with a female to female configuration. This Coaxial Adapter, SMA Female / BNC Female Bulkhead is made from brass and has a nickel finish. An SMA 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. SMA's generally work up to 18GHz and are a cost effective way of insuring a highly dependable RF Coaxial connection. 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
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size		
Length	1.32in	33.53mm]
Width	0.6in	[15.24mm]

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

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Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		BNC Female	
Contact	Phosphor Bronze	Gold	Phosphor Bronze	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, SMA 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 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.

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.

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L-com CAD Drawing

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	01/15/2020
	APPROVED	SELLIS

**RECOMMENDED CUT-OUT
FOR MOUNTING HOLE**

TOLERANCES:	
X = ±.2 [5.08]	FRACTIONS ± 1/32
.XX = ±.02 [.51]	ANGLES ± 1°
.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.

L-com
an INFINITE brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
SCALE N/A

SIZE	CAGE CODE	DRAWN BY	PART NUMBER
A	43321	BPUCHASKI	LCAD30027
			REV A