

Precision 4 Hole Flange Mount SMA Male to N Male Adapter



LCAD9499

Configuration

- SMA Male Connector 1
- N Male Connector 2
- Impedance 50 Ohm
- Precision Design
- Straight Body Geometry
- 4 Hole Flange Mount Method

Description

The L-com LCAD9499 Precision adapter has a straight body geometry and is suitable for general-purpose test applications. This RF adapter has an SMA Male to N Male connector and a PTFE dielectric, which makes it resistant to lubricants and fuels. The Male coaxial adapter has a Beryllium Copper contact.

This Precision adapter has an SMA interface that brings interoperability of coaxial connectors, as well as a basis for the Hi-Rel design and construction of these components. The LCAD9499 coaxial adapter has a 4 Hole Flange mount and is suitable for rack-mounted equipment. This L-com connector RF adapter can operate at a temperature range of -55 to 100 deg C and has high repeatability.

The LCAD9499 coaxial adapter has a maximum frequency range of 18 GHz and is most used for Testing, Measurement, Satcom, Military, and Defense industries. This 4 Hole Flange RF adapter has Gold over Nickel plating and is designed to enable connections in RF and microwave systems between two of the same or different connector types. The L-com SMA adapter is constructed with a Passivated Stainless Steel body and has no plating.

The SMA Male adapter is one of the thousands of RF products available from L-com in-stock inventory with same-day shipment for domestic and international orders. Make your online purchase right now for a high-quality 18 GHz coaxial adapter and take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the perfect Beryllium Copper RF adapter for your requirement.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.15:1	
Insertion Loss			0.22	dB

Electrical Specification Notes:
 Values at 25°C, sea level.
 Insertion Loss (dB) = 0.05*sqrt(fGHz).

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Mechanical Specifications

Size		
Length	1.636in	41.55mm]
Width	1in	[25.4mm]
Height	1in	[25.4mm]
Weight	0.112lbs	[50.8g]

Description	Connector 1	Connector 2
Type	SMA Male	N Male
Polarity	Standard	Standard
Mating Cycles	500	500
Hex Size	5/16 in.	
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]	

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		N Male	
Contact	Beryllium Copper	Gold over Nickel MIL-G-45204	Beryllium Copper	Gold over Nickel MIL-G-45204
Insulation	PTFE		PTFE	
Body	Passivated Stainless Steel ASTM A380		Passivated Stainless Steel ASTM A380	
Coupling Nut	Passivated Stainless Steel ASTM A380		Passivated Stainless Steel ASTM A380	

Environmental Specifications

Temperature

Operating Range	-55°C to +100°C
Vibration	MIL-STD-202, Method 204, Cond. D (20G's)
Salt Spray	MIL-STD-202, Method 101, Cond. B, 5% salt solution

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

Plotted and Other Data

Precision 4 Hole Flange Mount SMA Male to N Male 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. 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	10/06/2022
		APPROVED AGANWANI

1.00 [25.4] SQ.

1.64 [41.5]
1.04 [26.4]
.065 [1.65]

N MALE SMA MALE

ϕ .125 [3.18] THRU
4 PLACES

.718 [18.24] SQ.

MOUNTING HOLES

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an INFINITE brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
SCALE N/A

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

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.

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