

SMA Female to SSMA Female Adapter



LCAD9399

Configuration

- SMA Female Connector 1
- SSMA Female Connector 2
- Impedance 50 Ohm
- Straight Body Geometry

Description

The L-com LCAD9399 Standard adapter has a straight body geometry and is suitable for general-purpose test applications. This RF adapter has an SMA Female to SSMA Female connector and a PTFE dielectric, which makes it resistant to lubricants and fuels.

This Standard adapter has an SMA interface compliant with MIL-STD-348 that brings interoperability of coaxial connectors, as well as a basis for the Hi-Rel design and construction of these components. This L-com connector RF adapter can operate at a temperature range of -65 to 165 deg C and has high repeatability.

The LCAD9399 coaxial adapter has a maximum frequency range of 18 GHz and is most used for Testing, Measurement, Satcom, Military, and Defense industries. This RF adapter has Gold 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 body and has no plating.

The SMA Female 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			1.4:1	

Electrical Specification Notes:
Values at 25°C, sea level

Mechanical Specifications

Size		
Length	0.748in	19mm]
Width	0.25in	[6.35mm]
Height	0.25in	[6.35mm]
Weight	0.0093lbs	[4.22g]

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Description	Connector 1	Connector 2
Type	SMA Female	SSMA Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		SSMA Female	
Contact		Gold MIL-G-45204		Gold MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Nickel QQ-N-290	Brass	Nickel QQ-N-290

Environmental Specifications

Temperature

Operating Range -65°C to +165°C

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

Plotted and Other Data

SMA Female to SSMA Female 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.

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L-com CAD Drawing

REVISIONS		DATE	APPROVED
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/06/2022	AGANWANI

SMA FEMALE

SSMA FEMALE

1/4-36 UNS-2A

10-36 UNS-2A

1/4 HEX

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">X = ±.2 [5.08]</td> <td style="width: 33%;">FRACTIONS ± 1/32</td> <td style="width: 33%;">ANGLES ± 1°</td> </tr> <tr> <td>XX = ±.02 [.51]</td> <td></td> <td></td> </tr> <tr> <td>XXX = ±.005 [.13]</td> <td></td> <td></td> </tr> </table> <p>CABLE LENGTH (L) TOLERANCES:</p> <table style="width: 100%; border: none;"> <tr> <td>L ≤ 12 [305] = +1 [25] / -0</td> </tr> <tr> <td>12 [305] < L ≤ 60 [1524] = +2 [51] / -0</td> </tr> <tr> <td>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0</td> </tr> <tr> <td>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0</td> </tr> <tr> <td>300 [7620] < L = +5% / -0</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	X = ±.2 [5.08]	FRACTIONS ± 1/32	ANGLES ± 1°	XX = ±.02 [.51]			XXX = ±.005 [.13]			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	<p style="text-align: center;">THIRD-ANGLE PROJECTION</p> <p style="font-size: small;">THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. ALL RIGHTS RESERVED.</p> <p style="text-align: center;">SHEET 1 OF 1</p> <p style="text-align: center;">SCALE N/A</p> <p style="text-align: center;">REV A</p>
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SIZE A

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