

RP-SMA Male to RP-SMA Male Adapter



LCAD91330

Configuration

- SMA Male Reverse Polarity Connector 1
- SMA Male Reverse Polarity Connector 2
- Impedance 50 Ohm
- Straight Body Geometry

Description

The L-com LCAD91330 Standard adapter has a straight body geometry and is suitable for general-purpose test applications. This RF adapter has an SMA Male to SMA Male connector and a PTFE dielectric, which makes it resistant to lubricants and fuels. The Male coaxial adapter has a Beryllium Copper contact.

This Standard 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. This L-com connector RF adapter can operate at a temperature range of -65 to 125 deg C and has high repeatability.

The LCAD91330 coaxial adapter has a maximum frequency range of 6 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 RP-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 6 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		6	GHz
VSWR			1.35:1	

Mechanical Specifications

Size		
Length	0.787in	19.99mm]
Width	0.312in	[7.92mm]
Height	0.312in	[7.92mm]
Weight	0.011lbs	[4.99g]

Description	Connector 1	Connector 2
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Type	SMA Male	SMA Male
Polarity	Reverse Polarity	Reverse Polarity
Hex Size	5/16 Inch	5/16 Inch
Mating Torque	8 in-lbs [0.90 Nm] max	8 in-lbs 0.90 Nm max

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male Reverse Polarity		SMA Male Reverse Polarity	
Contact	Beryllium Copper	Gold	Beryllium Copper	Gold
Insulation	PTFE		PTFE	
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel		Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range -65°C to +125°C

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

Plotted and Other Data

RP-SMA Male to RP-SMA 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

REVERSE POLARITY
SMA MALE
TYP

7/32 ACROSS FLATS

EPOXY

5/16 HEX
TYP

1/4-36 UNS-2B
TYP

.79
(20.0)

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

TOLERANCES:

X = ±.2 [5.08]	FRACTIONS
XX = ±.02 [.51]	± 1/32
XXX = ±.005 [.13]	ANGLES ± 1°

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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SHEET 1 OF 1
SCALE N/A

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