

SMA Female to 7/16 DIN Male Adapter



LCAD91175

Configuration

- SMA Female Connector 1
- 7/16 DIN Male Connector 2
- Impedance 50 Ohm
- Straight Body Geometry

Features

- Max VSWR of 1.25:1 up to 6 GHz
- Gold Plated Beryllium Copper Contact
- 1.3 μm min Gold Contact Plating

Applications

- Allows Connection Between Series
- General Purpose Test

Description

The L-com LCAD91175 Standard adapter has a straight body geometry and is suitable for general-purpose test applications. This RF adapter has an SMA Female to 7/16 DIN Male connector and a PTFE dielectric, which makes it resistant to lubricants and fuels. The Female coaxial adapter has a Beryllium Copper contact and a maximum operating AC voltage of 335 Vrms.

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 335 Vrms connector RF adapter can operate at a temperature range of -45 to 120 deg C and has high repeatability.

The LCAD91175 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 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 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			1.25:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

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Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 6				GHz
VSWR, Max	1.15:1	1.25:1				

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

Mechanical Specifications

Size		
Length	1.56in	39.62mm]
Width	1.26in	[32mm]
Height	1.26in	[32mm]
Weight	0.243lbs	[110.22g]

Description	Connector 1	Connector 2
Type	SMA Female	7/16 DIN Male
Polarity	Standard	Standard
Hex Size		32 mm
Mating Torque		12 to 15 in-lbs 1.36 to 1.70 Nm

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Female		7/16 DIN Male	
Contact	Beryllium Copper	Gold 1.3 µm minimum	Beryllium Copper	Gold 1.3 µm minimum
Insulation	PTFE		PTFE	
Outer Conductor	Passivated Stainless Steel			
Body			Brass	Tri-Metal 3 µm minimum
Coupling Nut			Brass	Tri-Metal 3 µm minimum

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Environmental Specifications

Temperature

Operating Range -45°C to +120°C

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

Plotted and Other Data

SMA Female to 7/16 DIN 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

7/16 DIN MALE

1-1/4 HEX

.63 [16.0] ACROSS FLATS

1/4 - 36 UNS-2A

SMA FEMALE

Ø.709 [18.00]

.37 [9.5]

.20 [5.2]

1.56 [39.7]

.91 [23.0]

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

an INFINITE brand

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<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table style="width: 100%; border: none;"> <tr> <td>X = ±.2 [5.08]</td> <td>FRACTIONS ± 1/32</td> </tr> <tr> <td>XX = ±.02 [.51]</td> <td>ANGLES ± 1°</td> </tr> <tr> <td>XXX = ±.005 [.13]</td> <td></td> </tr> </table> <p>CABLE LENGTH (L) TOLERANCES:</p> <table style="width: 100%; border: none;"> <tr> <td>L ≤ 12 [305]</td> <td>±.1 [25] / -0</td> </tr> <tr> <td>12 [305] < L ≤ 60 [1524]</td> <td>±.2 [51] / -0</td> </tr> <tr> <td>60 [1524] < L ≤ 120 [3048]</td> <td>±.4 [102] / -0</td> </tr> <tr> <td>120 [3048] < L ≤ 300 [7620]</td> <td>±.6 [152] / -0</td> </tr> <tr> <td>300 [7620] < L</td> <td>±.5% / -0</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	X = ±.2 [5.08]	FRACTIONS ± 1/32	XX = ±.02 [.51]	ANGLES ± 1°	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>REV. A</p> <p>ITEM NO. LCAD91175</p> <p>SCALE N/A</p> <p>DATE 10/06/2022</p> <p>APPROVED AGANWANI</p>
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