

## Slide-On BMA Jack to SMA Female Adapter



### LCAD91400

#### Configuration

- Slide-On BMA Jack Connector 1
- SMA Female Connector 2
- Impedance 50 Ohm
- Straight Body Geometry

#### Features

- Low-Engagement Force

#### Applications

- Blind Mating
- Rack and Panel
- Phased Array Systems
- Base Stations
- RF Backplanes
- Test I/O

#### Description

The L-com LCAD91400 Standard adapter has a straight body geometry and is suitable for general-purpose test applications. This RF adapter has an BMA Jack to SMA Female connector and a PTFE dielectric, which makes it resistant to lubricants and fuels. The Jack coaxial adapter has a Beryllium Copper contact and a maximum operating AC voltage of 350 Vrms.

This Standard adapter has an BMA 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 350 Vrms connector RF adapter can operate at a temperature range of -65 to 165 deg C and has high repeatability.

The LCAD91400 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 BMA adapter is constructed with a Passivated Stainless Steel body and has no plating.

The BMA Jack 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			1.25:1	

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**LCAD91400**

Insertion Loss		0.3	dB
Operating Voltage (AC)		350	Vrms
Dielectric Withstanding Voltage (AC)		1,000	Vrms
Insulation Resistance	5,000		MOhms

**Mechanical Specifications**

<b>Size</b>			
Length	0.55in	13.97mm]	
Width	0.287in	[7.29mm]	
Height	0.287in	[7.29mm]	
Weight	0.0095lbs	[4.31g]	

Description	Connector 1	Connector 2
Type	BMA Jack	SMA Female
Polarity	Standard	Standard
Mating Cycles	1,000	1,000
Contact Retention Force, Min	6.07 lbs [2.75 kg]	

**Material Specifications**

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	Slide-On BMA Jack		SMA Female	
Contact	Beryllium Copper	Gold 51.18µ in. minimum	Beryllium Copper	Gold 51.18µ in. minimum
Insulation	PTFE		PTFE	
Outer Conductor	Beryllium Copper	Gold	Passivated Stainless Steel	
Body	Passivated Stainless Steel		Passivated Stainless Steel	

**Environmental Specifications**

**Temperature**

Operating Range	-65°C to +165°C
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**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Slide-On BMA Jack to SMA 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

  
  

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

**TOLERANCES:**

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

**THIRD-ANGLE PROJECTION**

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SHEET 1 OF 1

SCALE N/A

  

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50 High Street, West Mill, 3rd Floor, Suite #30  
North Andover, MA 01845 USA.  
Phone: 1.800.341.5266 | 1.978.682.6936  
Fax: 1.978.689.9484  
Website: www.L-com.com  
E-mail: CustomerService@L-com.com

ITEM NO. LCAD91400

REV A

  

SIZE A

CASE CODE 43321

DRAWN BY KGLEBOVA

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