

Slide-On BMA Plug to SMA Male Adapter



LCAD91396

Configuration

- Slide-On BMA Plug Connector 1
- SMA Male 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 LCAD91396 Standard adapter has a straight body geometry and is suitable for general-purpose test applications. This RF adapter has an BMA Plug to SMA Male connector and a PTFE dielectric, which makes it resistant to lubricants and fuels. The Plug coaxial adapter has a Brass 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 125 deg C and has high repeatability.

The LCAD91396 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 Plug 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 Brass RF adapter for your requirement.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.15:1	
Operating Voltage (AC)			350	Vrms

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Dielectric Withstanding Voltage (AC)		1,000	Vrms
Insulation Resistance	5,000		MOhms

Mechanical Specifications

Size		
Length	0.67in	17.02mm]
Width	0.315in	[8mm]
Height	0.315in	[8mm]
Weight	0.01lbs	[4.54g]

Description	Connector 1	Connector 2
Type	BMA Plug	SMA Male
Polarity	Standard	Standard
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 Plug		SMA Male	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE			
Outer Conductor	Passivated Stainless Steel			
Body	Passivated Stainless Steel		Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel			

Environmental Specifications

Temperature

Operating Range	-65°C to +125°C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Slide-On BMA Plug to 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.

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L-com CAD Drawing

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

SMA MALE

5/16 HEX

.67 [17.0]

.55 [14.0]
REF. PL.

1/4 ACROSS FLATS

φ .300 [7.63]

.06 [1.5]

.20 [5.2]

SLIDE-ON BMA PLUG

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.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

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REV A

ITEM NO. LCAD91396

SCALE N/A

SHEET 1 OF 1

SIZE A

CASE CODE A

DRAWN BY KGLEBOVA

ITEM NO. LCAD91396

REV A

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