

Coaxial Adapter, RP-SMA Male / RP-SMA Female



LCAD30006

Configuration

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

Features

- Provides In-Series Reverse Polarity SMA to Reverse Polarity SMA Connections
- Operates to 4 GHz
- Max VSWR of 1.35:1
- Gold Plated Center Contacts

Applications

Description

These L-com RF Coaxial Adapters are used to interface between SMA to SMA with coaxial connections. The LCAD30006 is a straight adapter with a male to female configuration. This Coaxial Adapter, RP-SMA Male / RP-SMA Female is made from brass and has a gold finish. An SMA interface design is defined by Mil-STD-348A and has many popular features including a threaded coupling method with a robust center contact and outer conductor interface. SMA's generally work up to 18GHz and are a cost effective way of insuring a highly dependable RF Coaxial connection. L-com's RF Coaxial and Triaxial adapters are in stock and ship same day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	

Mechanical Specifications

Size		
Length	0.65in	16.51mm]
Width	0.31in	[7.87mm]

Description	Connector 1	Connector 2
Type	SMA Male	SMA Female
Polarity	Reverse Polarity	Reverse Polarity
Mating Torque	5 in-lbs [0.57 Nm] max	

Material Specifications

	Connector 1	Connector 2
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Description	Material	Plating	Material	Plating
Type	SMA Male Reverse Polarity		SMA Female Reverse Polarity	
Contact	Phosphor Bronze	Gold	Phosphor Bronze	Gold
Insulation	PTFE		PTFE	
Outer Conductor			Brass	Gold
Body	Brass	Gold	Brass	Gold
Gasket	Silicone		Silicone	
Coupling Nut	Brass	Gold		

Environmental Specifications

Temperature

Operating Range -65°C to +125°C

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

Plotted and Other Data

Coaxial Adapter, RP-SMA Male / RP-SMA Female 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	01/09/2020
		APPROVED SELLIS

$\phi .31$ [7.8]
 1/4-36UNS-2B
 .24 FLAT [6]
 1/4-36UNS-2A
 $\phi .21$ [5.35]
 .65 [16.5]

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