

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



## LCAD30007

### Configuration

- SMA Female 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 LCAD30007 is a straight adapter with a female to female configuration. This Coaxial Adapter, RP-SMA Female / 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	0.6in	15.24mm]
Width	0.25in	[6.35mm]

Description	Connector 1	Connector 2
Type	SMA Female	SMA Female
Polarity	Reverse Polarity	Reverse Polarity

### Material Specifications

	Connector 1	Connector 2

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



**LCAD30007**

Description	Material	Plating	Material	Plating
Type	SMA Female Reverse Polarity		SMA Female Reverse Polarity	
Contact	Brass	Gold	Brass	Gold
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Gold	Brass	Gold
Body	Brass	Gold	Brass	Gold

**Environmental Specifications**

**Temperature**

Operating Range -65°C to +165°C

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

**Plotted and Other Data**

Coaxial Adapter, RP-SMA Female / 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.

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L-com CAD Drawing

REVISIONS		DATE	APPROVED
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	01/09/2020	SELLIS

  

1/4-36UNS-2A      .22 FLAT [5.5]      1/4-36UNS-2A  
 $\phi$ .21 [5.35]      .22 [5.7]      .22 [5.7]      .60 [15.2]

  

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p><b>TOLERANCES:</b></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><b>CABLE LENGTH (L) TOLERANCES:</b></p> <table style="width: 100%; border: none;"> <tr> <td>L ≤ 12 [305]</td> <td>= +1 [25] / -0</td> </tr> <tr> <td>12 [305] &lt; L ≤ 60 [1524]</td> <td>= +2 [51] / -0</td> </tr> <tr> <td>60 [1524] &lt; L ≤ 120 [3048]</td> <td>= +4 [102] / -0</td> </tr> <tr> <td>120 [3048] &lt; L ≤ 300 [7620]</td> <td>= +6 [152] / -0</td> </tr> <tr> <td>300 [7620] &lt; 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 style="text-align: center;"><b>L-com</b><sup>TM</sup></p> <p style="text-align: center;">an <b>INFINITE</b> brand</p> <p style="text-align: center;">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</p> <p>THIRD-ANGLE PROJECTION </p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1 SCALE N/A</p>
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SIZE	DRAWN BY	PART NUMBER	REV
A	BPUCHASKI	LCAD30007	A

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