Coaxial Right Angle Adapter, RP-SMA Male / Female



LCAD30036

Configuration

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

Features

- Provides In-Series Reverse Polarity SMA to Reverse Polarity SMA Connections
- Operates to 6 GHz
- Max VSWR of 1.25:1
- Gold Plated Center Contacts
- Right Angle Body Geometry

Applications

Description

These L-com RF Coaxial Adapters are used to interface between SMA to SMA with coaxial connections. The LCAD30036 is a right angle adapter with a male to female configuration. This Coaxial Right Angle Adapter, RP-SMA Male / 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			1.25:1	

Mechanical Specifications

Size

Length	0.65in	16.51mm]
Width	0.56in	[14.22mm]
Height	0.25in	[6.35mm]

Description	Connector 1	Connector 2
Type	SMA Male	SMA Female
Polarity	Reverse Polarity	Reverse Polarity
Hex Size	5/16 inch	
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]	

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Material Specifications

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

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Environmental Specifications

Temperature

Operating Range	-65ºC to +165ºC

Compliance Certifications (see product page for current document)

Plotted and Other Data

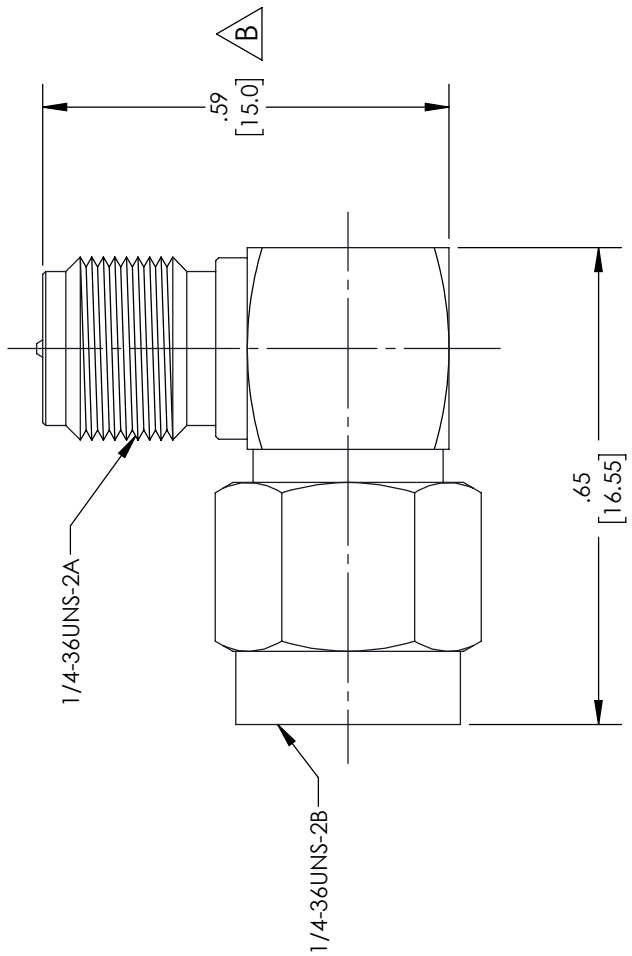
Coaxial Right Angle Adapter, RP-SMA Male / Female from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line 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 impliment 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	APPROVED
B	ECN 10482: .59 WAS .56	04/27/2020	SRAUTUS



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%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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THIRD-ANGLE PROJECTION

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SIZE	CAGE CODE	DRAWN BY	PART NUMBER	REV
A	43321	BPUCHASKI	LCAD30036	B

SHEET 1 OF 1

SCALE N/A

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