

SMA Male Right Angle to N Female Bulkhead Cable Assembly using RG223 Coax, 3 FT

# LCCA30367-FT3



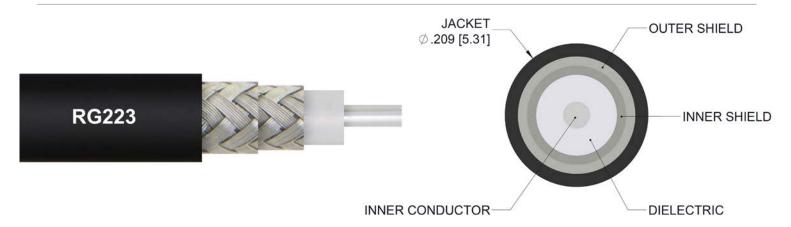
# Configuration

- Connector 1: SMA Male Right AngleConnector 2: N Female Bulkhead
- Cable Type: RG223

#### **Features**

- Max Frequency 6 GHz66% Phase Velocity
- **Applications**
- General Purpose

- Double Shielded
- PVC Jacket
- · Laboratory Use



# **Description**

L-com's LCCA30367-FT3 is a SMA male right angle to N female bulkhead cable assembly using RG223 coax, 3 FT and ships same-day. The RG223 coax of this SMA cable uses the PE dielectric with a VoP of 66%. These flexible RF cable assemblies are ideal for applications where flexure is required. Our L-com SMA to N cable assembly has a male to female gender configuration with flexible RG223 series coax and operates to 6 GHz. The double shield of this SMA cable is layered by silver plated copper braid over silver plated copper braid. L-com's RF cable assembly with N bulkhead interface enables system designers to have external connections on their product enclosures or to be used for other rack mount and panel mount applications. This right angle SMA cable interface on the RG223 coax allows for easier connections in tight spaces.

Custom versions of this SMA male to SMA female cable, along with the rest of L-com's other RF assemblies, can also be built and shipped same day. Other available RF cable assembly value added services from L-com include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly. Contact a sales representative for testing or custom RF cable quotes. Part number LCCA30367-FT3 L-com SMA Male Right Angle to N Female Bulkhead Cable Assembly using RG223 Coax, 3 FT data sheet PDF includes details of the RF product specifications, CAD drawing(s) and dimensions below.



SMA Male Right Angle to N Female Bulkhead Cable Assembly using RG223 Coax, 3 FT

## LCCA30367-FT3

# **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.5:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

# **Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	6	GHz
Insertion Loss (Typ.)	0.5	0.6	0.72	0.9	1.43	dB

## **Electrical Specification Notes:**

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in the assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

# **Mechanical Specifications**

### **Cable Assembly**

Length 36 in [914.4 mm] Diameter 0.827 in [21.01 mm]

#### Cable

RG223 Cable Type Impedance 50 Ohms Inner Conductor Type Solid

Inner Conductor Material and Plating Copper, Silver

Dielectric Type Number of Shields Shield Layer 1 Silver Plated Copper Braid Shield Layer 2 Silver Plated Copper Braid PVC, Black Jacket Material

Jacket Diameter 0.209 in [5.31 mm]

One Time Minimum Bend Radius 0.984 in [24.99 mm] Repeated Minimum Bend Radius 1 in [25.4 mm]



SMA Male Right Angle to N Female Bulkhead Cable Assembly using RG223 Coax, 3 FT

# LCCA30367-FT3

# **Connectors**

SMA Male Right Angle MIL-STD-348A 50 Ohms Brass, Gold 50 µin minimum	N Female Bulkhead MIL-STD-348A 50 Ohms Brass, Gold 30 µin minimum
50 Ohms Brass, Gold	50 Ohms Brass, Gold
Brass, Gold	Brass, Gold
,	,
50 μin minimum	30 uin minimum
	CO part tillimitati
PTFE	PTFE
	Brass, Nickel
	100 μin minimum
Brass, Nickel	Brass, Nickel
100 μin minimum	100 μin minimum
Brass, Nickel	
100 µin minimum	
5/16 inch	
3 in-lbs 0.34 Nm	
	PTFE  Brass, Nickel 100 μin minimum  Brass, Nickel 100 μin minimum  5/16 inch

Compliance Certifications (see product page for current document)

# **Plotted and Other Data**

Notes:

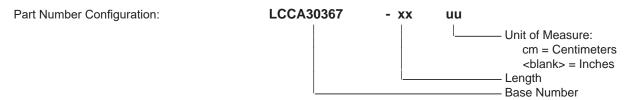


SMA Male Right Angle to N Female Bulkhead Cable Assembly using RG223 Coax, 3 FT

# LCCA30367-FT3



### **How to Order**



Example: LCCA30367-12 = 12 inches long cable

LCCA30367-100cm = 100 cm long cable

SMA Male Right Angle to N Female Bulkhead Cable Assembly using RG223 Coax, 3 FT from L-com has same day shipment for domestic and International orders. L-com is a leading manufacturer of wired and wireless connectivity products and committed to instock availability and same day shipping. 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.ontained 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.

# **L-com CAD Drawing**

