

Hand Formable Test Probe SMA Male to Straight Cut Lead Cable Assembly using LC085TB Coax, Gold Plated Stainless Steel Body, 3 IN



# LCCA30722-3IN

# Configuration

· Connector 1: SMA Male

Connector 2: Straight Cut Lead

Cable Type: LC085TB

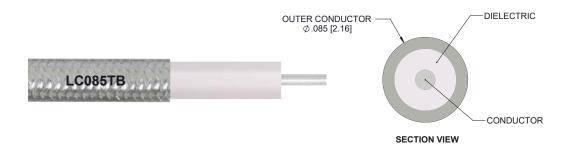
#### **Features**

- 100% RF Tested prior to final trim
- 1.4 Max VSWR to 18 GHz
- · 100% High Pot Tested to 500V

### **Applications**

- · Used as an RF Test Probe to 18 GHz
- RF PCB Board Measurements

- 0.085 Diameter Formable coax
- Individually packed in protective tube
- · Signal Injection



### Description

L-com's LCCA30722-3IN is a Test Probe SMA Male to Straight Cut Lead Cable Assembly using LC085TB Coax, 0.25 FT and ships same-day. L-com's formable cable assemblies provide a convenient alternative to their semi-rigid versions, as they offer similar electrical performance but can be bent to desired shape without the use of special tools. Our L-com SMA to flush cut cable assembly has a Male to sexless gender configuration with formable LC085TB series coax and operates to 18 GHz. The tinned copper braid outer conductor can be easily formed by hand and has an overall diameter of 0.085 inches.

The Test Probe SMA Male to Straight Cut Lead Cable Assembly using LC085TB Coax, 0.25 FT is a convenient test probe designed to be trimmed by the user to their required dimensions and soldered to an exposed microstrip trace to inject a signal or to measure a signal of interest. Each LCCA30722-3IN cable assembly is built with a connector on both ends to verify the electrical performance of 18 GHz with a maximum VSWR of 1.4:1. The cable is then trimmed and placed in a reusable protective tube. These test probes are available with a flush cut or a pre-trimmed cable lead.

Custom versions of this SMA Male to straight cut lead 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 LCCA30722-3IN L-com Test Probe SMA Male to Straight Cut Lead Cable Assembly using LC085TB Coax, 0.25 FT data sheet PDF include details of the RF product specifications, CAD drawing(s) and dimensions below.



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## LCCA30722-3IN

# **Electrical Specifications**

| nits     |
|----------|
| GHz      |
|          |
| %        |
| t [pF/m] |
| π        |

# **Mechanical Specifications**

**Cable Assembly** 

Length 3 in [76.2 mm]
Weight 0.06 lbs [27.22 g]

Cable

Cable TypeLC085TBImpedance50 OhmsInner Conductor TypeSolidInner Conductor Material and PlatingCopper Clad Steel, Silver

Dielectric Type PTFE

Number of Shields

Shield Layer 1 Tinned Copper Braid

## **Connectors**

| Description                        | Connector 1                  | Connector 2       |
|------------------------------------|------------------------------|-------------------|
| Туре                               | SMA Male                     | Straight Cut Lead |
| Impedance                          | 50 Ohms                      |                   |
| Mating Cycles                      | 500                          |                   |
| Contact Material and Plating       | Brass, Gold                  |                   |
| Contact Plating Specification      | 50μ in. minimum, MIL-G-45204 |                   |
| Dielectric Type                    | PTFE                         |                   |
| Body Material and Plating          | Stainless Steel, Gold        |                   |
| Body Plating Specification         | MIL-G-45204                  |                   |
| Coupling Nut Material and Plating  | Brass, Nickel                |                   |
| Coupling Nut Plating Specification | QQ-N-290                     |                   |
| Hex Size                           | 5/16 in.                     |                   |
| Torque                             | 5 in-lbs 0.57 Nm             |                   |



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### LCCA30722-3IN

Compliance Certifications (see product page for current document)

### **Plotted and Other Data**

Notes:

• Values at 25°C, sea level.

#### **How to Order**

Part Number Configuration:

LCCA30722 - xx uu

Unit of Measure:
cm = Centimeters
<br/>
<br/>
<br/>
<br/>
chlank> = Inches
<br/>
Length
<br/>
Base Number

Example: LCCA30722-12 = 12 inches long cable

LCCA30722-100cm = 100 cm long cable

Hand Formable Test Probe SMA Male to Straight Cut Lead Cable Assembly using LC085TB Coax, Gold Plated Stainless Steel Body, 3 IN 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 in-stock 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**

