Hand Formable Test Probe SMA Male to Trimmed Lead Cable Assembly using LC085TB Coax, Gold Plated Stainless Steel Body, 6 IN

LCCA30721-6IN

Configuration

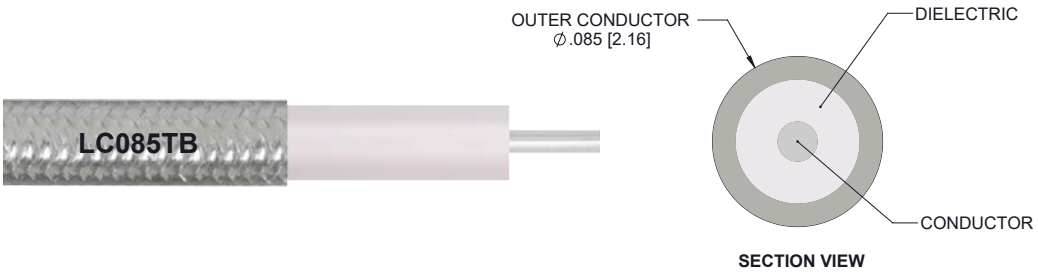
- Connector 1: SMA Male
- Connector 2: Trimmed Lead
- Cable Type: LC085TB

Features

- 100% RF Tested prior to final trim
- 1.4 Max VSWR to 18 GHz
- 100% High Pot Tested to 500V
- 0.085 Diameter Formable coax
- Individually packed in protective tube

Applications

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



SECTION VIEW

Description

L-com's LCCA30721-6IN is a Test Probe SMA Male to Trimmed Lead Cable Assembly using LC085TB Coax, 0.5 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 pre-trimmed 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 Trimmed Lead Cable Assembly using LC085TB Coax, 0.5 FT is a convenient test probe designed to be directly soldered to an exposed microstrip trace to inject a signal or to measure a signal of interest. Each LCCA30721-6IN 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 trimmed 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 LCCA30721-6IN L-com Test Probe SMA Male to Trimmed Lead Cable Assembly using LC085TB Coax, 0.5 FT data sheet PDF include details of the RF product specifications, CAD drawing(s) and dimensions below.

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ohms/1000ft [Ohms/Km]

Mechanical Specifications

Cable Assembly

Length	6 in [152.4 mm]

Cable

Cable Type	LC085TB
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Copper, Tin
Repeated Minimum Bend Radius	0.78 in [19.81 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	Trimmed Lead
Specification	MIL-STD-348A	
Impedance	50 Ohms	
Mating Cycles	500	
Contact Material and Plating	Brass, Gold	
Contact Plating Specification	50 µin minimum	
Dielectric Type	PTFE	
Body Material and Plating	Stainless Steel, Gold	
Body Plating Specification	10 µin minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	
Hex Size	5/16 inch	
Torque	3 in-lbs 0.34 Nm	

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration: **LCCA30721 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- LCCA30721 — Base Number

Example: LCCA30721-12 = 12 inches long cable
LCCA30721-100cm = 100 cm long cable

Hand Formable Test Probe SMA Male to Trimmed Lead Cable Assembly using LC085TB Coax, Gold Plated Stainless Steel Body, 6 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.

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L-com CAD Drawing