

Hand Formable Test Probe SMA Female 2 Hole Flange to Trimmed Lead
Cable Assembly using LC085TB Coax, Gold Plated Stainless Steel Body, 3 IN



LCCA30717-3IN

Configuration

- Connector 1: SMA Female 2 Hole Flange
- 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



Description

L-com's LCCA30717-3IN is a Test Probe SMA Female 2 Hole Flange to Trimmed 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 pre-trimmed cable assembly has a Female 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 Female 2 Hole Flange to Trimmed Lead Cable Assembly using LC085TB Coax, 0.25 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 LCCA30717-3IN 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 Female 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 LCCA30717-3IN L-com Test Probe SMA Female 2 Hole Flange to Trimmed 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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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 3 in [76.2 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]

Connectors

| Description | Connector 1 | Connector 2 |
|-------------------------------|--------------------------|--------------|
| Type | SMA Female 2 Hole Flange | Trimmed Lead |
| Specification | MIL-STD-348 | |
| Impedance | 50 Ohms | |
| Contact Material and Plating | Beryllium Copper, Gold | |
| Contact Plating Specification | MIL-G-45204 | |
| Dielectric Type | PTFE | |
| Body Material and Plating | Stainless Steel, Gold | |
| Body Plating Specification | MIL-G-45204 | |

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

LCCA30717 - xx uu

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: LCCA30717-12 = 12 inches long cable
LCCA30717-100cm = 100 cm long cable

Hand Formable Test Probe SMA Female 2 Hole Flange to Trimmed 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 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. 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

