

3400 MHz - 3600 MHz, 14 dBi, Log Periodic Antenna,
High Gain, V-pol, Type N Female connector



LCANLP1010

Features

- Frequency coverage for 3400 MHz to 3600 MHz
- Very High Gain 14 dBi Directional Antenna
- Each connector covers wide band of frequencies
- Easy Install universal mounting bracket provided
- Weatherproof ABS radome
- Pigtail – 9 inches
- N-Type Female connector

Applications

- Point-to-point, LTE-M, NB-IoT, IoT, M2M applications
- 5G / 4G LTE B22 / CBRS operation supported
- 5G Bands supported - n48, n77, n78
- DAS (Distributed Antenna Systems)
- Public safety, utilities, CCTV and local radio coverage
- Smart cities expansion for coverage and IOT / IIOT

Description

The L-com LCANLP1010 is a high performance, wideband log periodic antenna designed to operate from 3400 to 3600 MHz for point to point communications. The LCANLP1010 from L-com has 14 dBi of gain and can be used for long distance directional communication over a wide range of frequencies. The LCANLP1010 is ideal for boosting 5G, LTE, CMDA, LoRA, IoT, WIFI.

The log periodic LCANLP1010 has 27 vertical beamwidth and 30 horizontal beamwidth. This antenna has Vertical polarization and the included mounting brackets allow for either vertical or horizontal mounting configurations. Log periodic antennas function as boosters where the existing cellular signal is weak and needs to reach further distances. The L-com directional antenna has a 9 inches long pigtail terminated with 1 Type N Female connector.

L-com's 3400 to 3600 MHz log periodic LCANLP1010 antenna with 14 dBi max gain for sub 6 GHz 5G DAS networks operates in bands n48, n77, n78. This 5G directional log periodic antenna with N Female Type connector is in stock and ready to ship the same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other L-com products.

Configuration

Design	Log Periodic
Band Type	Multi
Radiation Pattern	Directional
Polarization	Vertical
Cable Type	Coax Cable
Cable Length	9.06 in [230.12 mm]
Connector Type	N Female
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain			14	dBi
Front to Back Ratio	16			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[3400 MHz - 3600 MHz, 14 dBi, Log Periodic Antenna, High Gain, V-pol, Type N Female connector LCANLP1010](#)

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Input Power 100 Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	3.4 to 3.6					GHz
Gain	14					dBi
Horizontal HPBW	30					Degrees
Vertical HPBW	27					Degrees
Front to Back Ratio	16					dB
VSWR Max	1.5:1					
Maximum Input Power	100					Watts

Mechanical Specifications

Radome Material	ABS
Size	
Length	16.53 in [419.86 mm]
Width	18.9 in [480.06 mm]
Height	11 in [279.4 mm]
Weight	8.8 lbs [3.99 kg]

Environmental Specifications

Temperature	
Operating Range	-40 to +65 deg C
Wind Survivability	130.5 MPH [210.02 KPH]
Wind Loading	23.5 lbs at 100 MPH 36.2 lbs at 125 MPH

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

Plotted and Other Data

Notes:

3400 MHz - 3600 MHz, 14 dBi, Log Periodic Antenna, High Gain, V-pol, Type N Female connector 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,

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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
A	INITIAL RELEASE	03/21/2022
	APPROVED	K.HIETPAS

9.1 [230] COAX PIGTAIL

LABEL PER ILS-100-03 (SEE NOTE 1)

3.1 [79]

3.9 [98]

3.2 [82]

15.8 [401]

1.6 [40]

Ø 1.5 [38]

N-FEMALE CONNECTOR

Ø 2.0 [50] MAX POLE

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE IN 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.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

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SIZE A CAGE CODE A 43321 DRAWN BY K.GLEBOVA ITEM NO. L-CANLP1010 REV A

NOTES:
 1. LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY)
 LABEL LOCATION FOR REFERENCE ONLY

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