

5150 MHz - 5875 MHz, 15 dBi Gain, Log Periodic Antenna, V/H-pol,
Dual Band, Dual Pol, High Gain, 2 x Type N Female Connector



LCANLP1005

Features

- Frequency coverage for 5150 MHz to 5875 MHz
- Very High Gain 15 dBi Directional Antenna
- Each connector covers wide band of frequencies
- Easy Install universal mounting bracket provided
- Weatherproof ABS – UV Resistance PVC radome
- Pigtail – 10 inches
- 2 x N-Type Female connector

Applications

- Point-to-point, NB-IoT, IoT, M2M applications
- 5G / WLAN / Sub-6 GHz operation supported
- 5G Bands Supported - n46
- DAS (Distributed Antenna Systems)
- IEEE 802.11a / n / ac / ah / ax Wi-Fi applications
- Public safety, utilities, CCTV and local radio coverage
- Smart cities expansion for coverage and IOT / IIOT

Description

The L-com LCANLP1005 is a high performance, wideband log periodic antenna designed to operate from 5150 to 5875 MHz for point to point communications. The LCANLP1005 from L-com has 15 dBi of gain and can be used for long distance directional communication over a wide range of frequencies. The LCANLP1005 is ideal for boosting 5G, LTE, CMDA, LoRA, IoT, WI-FI.

The log periodic LCANLP1005 has 23 vertical beamwidth and 25 horizontal beamwidth. This antenna has V/H 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 10 inch long pigtail terminated with 2 Type N Female connector.

L-com's 5150 to 5875 MHz log periodic LCANLP1005 antenna with 15 dBi max gain for sub 6 GHz 5G DAS networks operates in band n46. 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	Single
Radiation Pattern	Directional
Polarization	Vertical and Horizontal
Cable Type	Coax Cable
Cable Length	9.8 in [248.92 mm]
Connector Type	N Female
Number of Ports	2

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR			1.7:1	
Impedance		50		Ohms
Gain			15	dBi

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[5150 MHz - 5875 MHz, 15 dBi Gain, Log Periodic Antenna, V/H-pol, Dual Band, Dual Pol, High Gain, 2 x Type N Female Connector LCANLP1005](#)

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Front to Back Ratio	18		dB
Input Power		100	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	5.15 to 5.875					GHz
Gain	15					dBi
Horizontal HPBW	25					Degrees
Vertical HPBW	23					Degrees
Front to Back Ratio	18					dB
VSWR Max	1.7:1					
Maximum Input Power	100					Watts

Mechanical Specifications

Radome Material	ABS
Size	
Length	21.3 in [541.02 mm]
Width	18.1 in [459.74 mm]
Height	8.3 in [210.82 mm]
Weight	2.2 lbs [997.9 g]

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:

5150 MHz - 5875 MHz, 15 dBi Gain, Log Periodic Antenna, V/H-pol, Dual Band, Dual Pol, High Gain, 2 x 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

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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.

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L-com CAD Drawing

