

2300 MHz - 2500 MHz, 10 dBi, Log Periodic Antenna,
High Gain, V-pol, Type N Female connector



LCANLP1009

Features

- Frequency coverage for 2300 MHz to 2500 MHz
- Very High Gain 10 dBi Directional Antenna
- Each connector covers wide band of frequencies
- Easy Install universal mounting bracket provided
- Weatherproof ABS radome
- Pigtail – 12 inches
- N-Type Female connector

Applications

- Point-to-point, LPWAN, LTE-M, NB-IoT, IoT, M2M applications
- 4G LTE B23 operation supported
- 5G Bands supported -n40, n41, n53, n90, n97
- DAS (Distributed Antenna Systems)
- IEEE 802.11a / b / g / n / ac / ad / 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 LCANLP1009 is a high performance, wideband log periodic antenna designed to operate from 2300 to 2500 MHz for point to point communications. The LCANLP1009 from L-com has 10 dBi of gain and can be used for long distance directional communication over a wide range of frequencies. The LCANLP1009 is ideal for boosting 5G, LTE, CMDA, LoRA, WIFI.

The log periodic LCANLP1009 has 50 vertical beamwidth and 55 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 12 inches long pigtail terminated with 1 Type N Female connector.

L-com's 2300 to 2500 MHz log periodic LCANLP1009 antenna with 10 dBi max gain for sub 6 GHz 5G DAS networks operates in bands n40, n41, n53, n90, n97. 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 |
| Cable Type | Coax Cable |
| Cable Length | 11.8 in [299.72 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 | | | 10 | dBi |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[2300 MHz - 2500 MHz, 10 dBi, Log Periodic Antenna, High Gain, V-pol, Type N Female connector LCANLP1009](#)

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| | | | |
|---------------------|----|-----|-------|
| Front to Back Ratio | 16 | | dB |
| Input Power | | 100 | Watts |

Specifications by Band

| Description | Band 1 | Band 2 | Band 3 | Band 4 | Band 5 | Units |
|---------------------|------------|--------|--------|--------|--------|---------|
| Range | 2.3 to 2.5 | | | | | GHz |
| Gain | 10 | | | | | dBi |
| Horizontal HPBW | 55 | | | | | Degrees |
| Vertical HPBW | 50 | | | | | Degrees |
| Front to Back Ratio | 16 | | | | | dB |
| VSWR Max | 1.5:1 | | | | | |
| Maximum Input Power | 100 | | | | | Watts |

Mechanical Specifications

| | |
|-----------------|--------------------|
| Radome Material | ABS |
| Size | |
| Length | 5.9 in [149.86 mm] |
| Width | 4.7 in [119.38 mm] |
| Height | 2.2 in [55.88 mm] |
| Weight | 0.8 lbs [362.87 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:

2300 MHz - 2500 MHz, 10 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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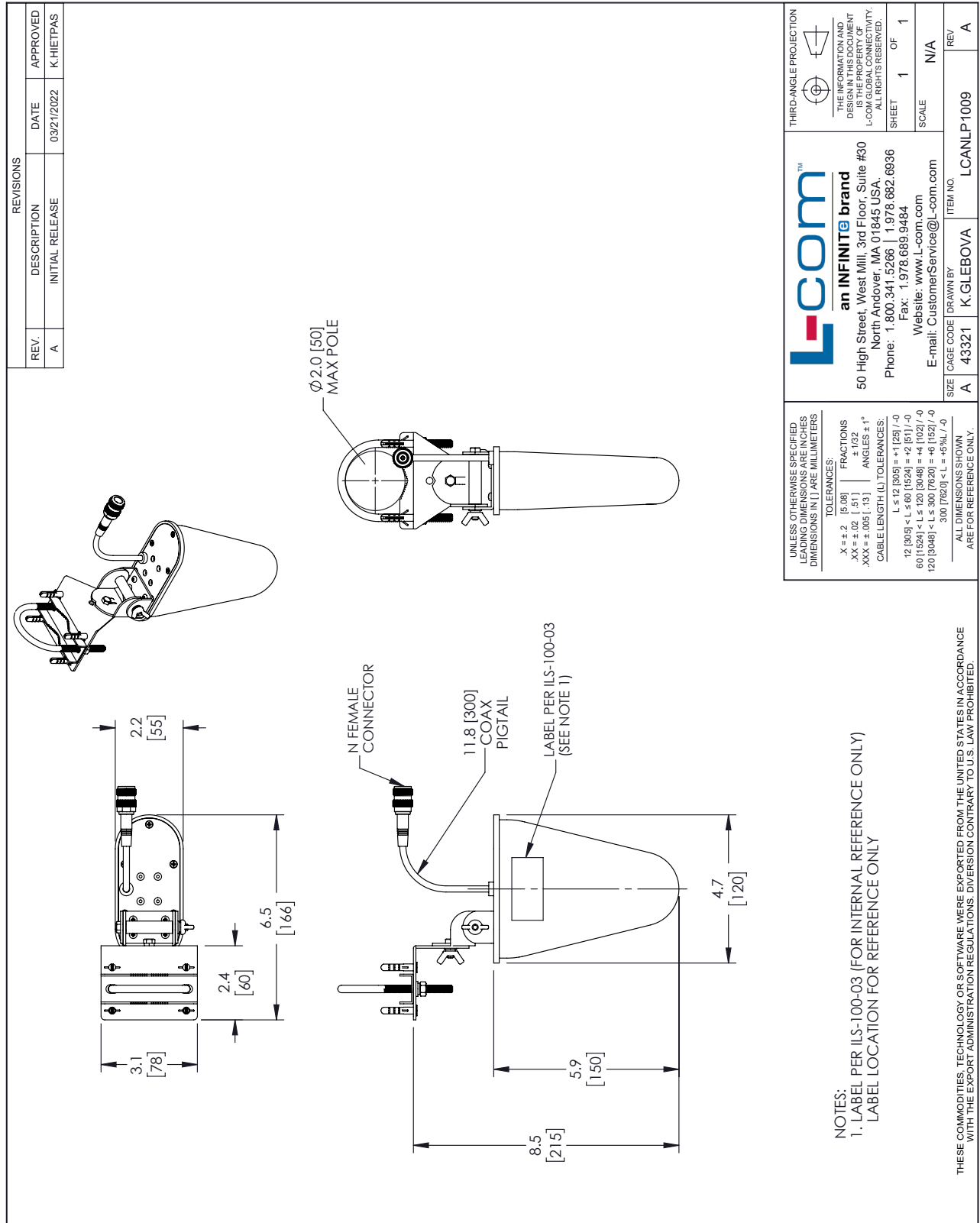
LCANLP1009

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



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

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