

136 to 174 MHz, 3 dBi Folded Dipole Antenna with N Female, Vertical Polarization, 1 Port, 1.5 VSWR

LCANED1012



Features

- Frequency coverage for 136 MHz to 174 MHz with Type N Female connector and gain 3 dBi / 0.85 dBd antenna
- Multiple Folded dipoles can be mounted on a mast for best performance
- Field adjustable radiation patterns with 100W max input power per port
- Easy and quick time to installations with U-Bolt mounts
- Industrially tuned folded dipole allows plug and play
- Weather and corrosion free made of high-grade aluminum alloys
- Vertical Polarization

Applications

- Outdoor point-to-point (PtP) or point-to-multipoint (PtMP) applications
- VHF radio applications supported with Trunking for two-way radio communications
- Public Safety / Emergency services / Marine communications / Rail road communications
- Tetra and P-25 Applications exclusively supported
- Land Mobile Radio (LMR) and Private Mobile Radio (PMR)
- Fixed and mobile services for paging/voice/data in full duplex and half duplex mode

Description

The L-com LCANED1012 3 dBi folded dipole antenna, with N female connector, is an economical yet high-performance antenna designed for high-power applications. This folded dipole antenna can output frequencies from 136 to 174 MHz, which is useful for military communications, trunking, public safety, industrial communication, and amateur radio applications. The folded dipole antenna's beamwidth can be adjusted according to applications by fixing dipoles at certain heights and directions. This high gain 3 dBi antenna transmits high-power signals, increasing the signal strength and thus providing improved coverage, better-broadcast control, and faster speed.

L-com's LCANED1012 folded dipole antenna is a dipole stand-alone made of aluminum alloy, and thus packaging, transportation, and installation become easier. It has a 1.5 VSWR that results in the best power transfer and reduced losses. This 136 to 174 MHz VHF/UHF antenna is one of the simplest and most widely used antenna producing radiation patterns like that of an electric dipole. It comes with a threaded and weatherproof N female connector type which ensuring a reliable physical connection and can be fixed on a pole using the U-bolt brackets that come with the antenna.

This folded dipole antenna uses vertical polarization to transmit signals, thus reducing interference and performing better at lower heights. The folded dipole antenna has 1 port to connect an external circuit with 100W maximum input power per port. All components of this 3 dBi antenna are DC grounded for lightning protection, rugged outdoor design, and have a high-power handling capacity.

This antenna with a 3 dBi maximum gain is ideal for LMR, military, airports, construction, mining, commercial applications, and radio users. This LCANED1012 folded dipole antenna from L-com comes in compact packaging for lower shipping costs, is in stock, and available for same-day shipping. For further information on similar products, our expert technical support and highly trained sales team can get you the perfect 136 to 174 MHz, 3 dBi folded dipole antenna with a N female connector as per your requirement.

Configuration

Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[136 to 174 MHz, 3 dBi Folded Dipole Antenna with N Female, Vertical Polarization, 1 Port, 1.5 VSWR LCANED1012](#)

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Connector Type	N Female
Number of Ports	1
Lightning Protection	DC Ground

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	136		174	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain			3	dBi
Input Power			100	Watts

Mechanical Specifications

Radome Material	Aluminum Alloy
Size	
Length	35.9 in [911.86 mm]
Width	40.6 in [103.12 cm]
Height	1.3 in [33.02 mm]
Weight	2.64 lbs [1.2 kg]

Environmental Specifications

Temperature	
Operating Range	-40 to +80 deg C

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

Plotted and Other Data

Notes:

136 to 174 MHz, 3 dBi Folded Dipole Antenna with N Female, Vertical Polarization, 1 Port, 1.5 VSWR 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, 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.

L-com CAD Drawing

