

144 to 148 MHz and 300 to 450 MHz, 9.5/11.5 dBi Aluminum Alloy Yagi Antenna with N Female, Vertical Polarization, 1 Port, 1.5 VSWR



## LCANYG1000

### Features

- Frequency coverage for 144 MHz to 148 MHz and 300 MHz to 450 MHz with Type N Female connector and gain 4.6 dBi / 2.45 dBd antennas
- Covers 2-Meter amateur band of 145MHz VHF band
- Easy and quick time to installations with small packaging
- Weather and corrosion free made of high-grade aluminum alloys
- 100 W max input power
- Vertical Polarization

### Applications

- Outdoor point-to-point (PtP) or point-to-multipoint (PtMP) applications
- 2-meter band applications of 145MHz band
- VHF/UHF 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 LCANYG1000 9.5/11.5 dBi aluminum alloy yagi antenna, with N female connector, is an economical yet high-performance antenna designed for high-power applications. This yagi antenna can output frequencies from 144 to 148 and 300 to 450 MHz, which is useful for military communications, trunking, public safety, industrial communication, and amateur radio applications. This high gain 9.5/11.5 dBi antenna transmits high-power signals, increasing the signal strength and thus providing improved coverage, better-broadcast control, and faster speed.

L-com's LCANYG1000 yagi antenna elements are compactly packaged, thus transportation and installation become easier. It has a 1.5 VSWR that results in the best power transfer and reduced losses. This 144 to 148 and 300 to 450 MHz VHF/UHF antenna made from strong and lightweight aluminum alloy has high directional characteristics. It comes with a N female connector, which is threaded and weatherproof that ensuring a reliable physical connection.

This yagi antenna uses vertical polarization to transmit signals, thus reducing interference and performing better at lower heights. The yagi antenna has 1 port to connect an external circuit with 100W maximum input power per port. All components of this 9.5/11.5 dBi antenna are DC grounded for lightning protection, rugged outdoor design, and have a high-power handling capacity .

This antenna with a 9.5/11.5 dBi maximum gain is ideal for LMR, military, airports, construction, mining, commercial applications, and radio users. This LCANYG1000 aluminum alloy yagi 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 144 to 148 and 300 to 450 MHz, 9.5/11.5 dBi aluminum alloy yagi antenna with a N female connector as per your requirement.

### Configuration

Band Type	Single
Radiation Pattern	Directional
Polarization	Vertical
Connector Type	N Female
Number of Ports	1
Lightning Protection	DC Ground

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
144 to 148 MHz and 300 to 450 MHz, 9.5/11.5 dBi Aluminum Alloy Yagi Antenna with N Female, Vertical Polarization, 1 Port, 1.5 VSWR LCANYG1000

144 to 148 MHz and 300 to 450 MHz, 9.5/11.5 dBi Aluminum Alloy Yagi Antenna with N Female, Vertical Polarization, 1 Port, 1.5 VSWR



## LCANYG1000

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR			1.5:1	
Impedance		50		Ohms
Input Power			100	Watts

### Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.144 to 0.148	0.3 to 0.45				GHz
Gain	9.5	11.5				dBi

### Mechanical Specifications

Radome Material	Aluminum Alloy
<b>Size</b>	
Length	43.4 in [110.24 cm]
Width	21.7 in [551.18 mm]
Height	2 in [50.8 mm]
Weight	2.2 lbs [997.9 g]

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +80 deg C

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

### Plotted and Other Data

Notes:

144 to 148 MHz and 300 to 450 MHz, 9.5/11.5 dBi Aluminum Alloy Yagi 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.

144 to 148 MHz and 300 to 450 MHz, 9.5/11.5 dBi Aluminum Alloy Yagi Antenna with N Female, Vertical Polarization, 1 Port, 1.5 VSWR

L-com CAD Drawing

