

136-174 MHz Rubber Duck Antenna, 1.8 dBi gain, I-COM Connector, Vertical Polarization



LCANRBD1022

Features

- 136 MHz to 174 MHz, 1.8 dBi Gain
- ICOM connector
- Heliflex whip antenna
- Plug and play
- 50W power handling
- VSWR < 1.5:1
- Vertical polarization
- Black

Applications

- PtP or PtMP applications
- Trunking for two-way radio comms
- VHF applications
- Public Safety / Emergency services
- Marine / Rail road communications
- P-25 applications exclusively supported
- Land mobile radio (LMR)
- Fixed and mobile services

Description

The L-com LCANRBD1022 is a single band rubber duck antenna that ships on the same day as ordered. Our vertical polarized antenna with 136 to 174 MHz frequency range has a L-COM connector. This antenna with a black radome made of TPE has an overall length of 6.48 in, a width of 0.500 in, and a weight of 0.022 lbs.

L-com's LCANRBD1022 is a single band antenna operating from 136 to 174 MHz with 1.8 dBi gain. The omni directional antenna has a maximum input VSWR of 1.5:1.

L-com has one of the largest in-stock collections of omni directional antennas with our wide selection of superior quality RF parts, that ship same day. Make your online purchase right now to take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal single band rubber duck antenna as per your requirement.

Configuration

Design	Rubber Duck
Application Band	VHF
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	I-COM

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	136		174	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		1.8		dBi
Input Power			50	Watts

Mechanical Specifications

Radome Material	TPE
Size	
Length	6.48 in [164.59 mm]
Width	0.5 in [12.7 mm]

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Height	0.5 in [12.7 mm]
Weight	0.022 lbs [9.98 g]

Environmental Specifications

Temperature Operating Range	-40 to +80 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Radiation Pattern

Appendix

Electrical Downtilt: Angle in the antenna's elevation pattern in which the maximum gain occurs.

Gain: Antenna's average gain.

Front to Back Ratio @ 180°±30°: Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° angles.

Cross-polarization Ratio (dB): Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

Dedicated to serving the needs of the Wireless Internet Service Provider (WISP) market, KP Performance Antennas offers purpose built products that reliably perform in the field. KP Performance Antennas product line consists of Yagi, Grid, Omni, Dish and other style antennas that operate in the 900 MHz, 2.4 GHz, 3 GHz, and 5 GHz frequencies.

136-174 MHz Rubber Duck Antenna, 1.8 dBi gain, I-COM Connector, Vertical Polarization 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.

URL: <https://www.l-com.com/136-174-mhz-rubber-duck-antenna-1.8-dbi-gain-i-com-connector-vertical-polarization-lcanrbd1022-p.aspx>

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LCANRBD1022 CAD Drawing

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