144/430 MHz, 3/5.5 dBi, High Power Whip Antenna, UHF Male Connector, 200 Watt, 32 inch Length

LCANRBD1082

Features

- UHF Male Connector
- Dual Band VHF/UHF
- Stainless Steel Whip
- 200 Watt Input Power

Applications

- Hand-held two-way radio comms
- VHF/UHF applications
- Public Safety / Emergency services
- Land and Private mobile radio (LMR) (PMR)
- Fixed and mobile services

Description

L-com's LCANRBD1082 is a high power whip antenna designed for handheld radios, vehicles, and base stations in UHF/VHF communications. This omnidirectional antenna features a UHF Male Connector. Our dual-band antenna can operate at frequencies ranging from 144 to 148 MHz with 3 dBi gain and 420 to 450 MHz with 5.5 dBi gain. This antenna is stocked to be readily available for same-business-day shipment.

Our omnidirectional antenna with vertical polarization has an impedance of 50 Ohms. This dual-band antenna has a maximum input power of 150 Watts. The LCANRBD1082 high power whip antenna can withstand temperatures ranging from -40 to 80 degrees C. This antenna has an overall length of 32.48 inches, a height of 0.93 inches, and a weight of 0.397 lbs.

The LCANRBD1082 dual-band antenna from L-com has a maximum input VSWR of 1.5:1. This high power whip antenna is suitable for portable communication due to its flexibility, durability, portability, and compactness. Our antenna comes with a stainless steel radome that provides a protective covering without compromising the antenna system's performance. Additional dimensions and specifications for this omni antenna are on our downloadable PDF datasheet.

L-com has one of the largest in-stock selections of dual-band omnidirectional antennas for international and domestic orders. Make your online purchase right now to take advantage of our same-business-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal high power whip antenna for your requirements.

Configuration

Design	Rubber Duck
Band Type	Dual
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	UHF Male

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	144		450	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Input Power			150	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency	0.144 to 0.148	0.42 to 0.45				GHz
Gain	3	5.5				dBi

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Mechanical Specifications

Radome Material	Stainless Steel
Size	
Length	32.48 in [824.99 mm]
Width	0.933 in [23.7 mm]
Height	0.933 in [23.7 mm]
Weight	0.397 lbs [180.08 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +80 deg C

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.

144/430 MHz, 3/5.5 dBi, High Power Whip Antenna, UHF Male Connector, 200 Watt, 32 inch Length 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/144-450-mhz-3-5.5-dbi-rubber-duck-antenna-uhf-male-connector-32.48-inch-lcanrbd1082.html

LCANRBD1082 CAD Drawing

144/430 MHz, 3/5.5 dBi, High Power Whip Antenna, UHF Male Connector, 200 Watt, 32 inch Length