2.4 GHz to 2.5 GHz Concave Shaped Antenna, Dipole, SMA Male Connector, 2 dBi Gain

LCANRBD1050

Features

- 2400-2500 MHz, 2 dBi Gain
- SMA male connector
- Plug and play
- VSWR < 2:1
- Linear polarization
- Dipole antenna

Applications

- 2.4 GHz Wi-Fi and ISM applications
- WLAN applications
- IOT, Wireless audio/video systems
- Home automation
- Telemetry, remote monitoring
- Wireless data acquisition
- 802.11 b/g/n, wireless hotspots
- PtP and PtMP applications
- 5G Band: n53

Description

The L-com LCANRBD1050 is an omni antenna operating from 2.4 GHz to 2.5 GHz with 2 dBi gain. The SMA male connector on the communication antenna enables it to be used vertically or at any angle in between. Our rubber duck antenna is 0.55 inches wide, 3.82 inches long, and 0.55 inches tall. Our concave-shaped omni antenna is specifically stocked to be available for same business day shipment.

This dipole omnidirectional antenna has a linear polarization, an SMA male connector and an TPEE/ABS radome material. Our 2 dBi gain LCANRBD1050 antenna transmits high power signals, increasing the signal strength, thus providing improved coverage, better broadcast control, and faster speed. L-com single-band antenna has a gain of 2 dBi antenna for the 2.4 GHz to 2.5 GHz frequency range. Our black omnidirectional antenna functions between -40 to 65 degrees C and has 50 Ohm impedance.

L-com WiFi antenna is ideal for 2.4 GHz Wi-Fi and ISM applications, WLAN, Bluetooth, IOT, wireless audio systems, home automation, telemetry, remote monitoring, wireless data acquisition, 802.11 a/b/g/n/ax, wireless hotspots. These 2 dBi antennas have a waterproof design, a high power handling capacity, and IPx7 ingress protection rating. Our high-quality LCANRBD1050 omnidirectional antenna has a maximum input VSWR of 2:1, which results in the best power transfer and reduced losses.

The 2 dBi gain omni directional antenna is just one of many fiber optic products that are available from L-com for international and domestic orders. We are a global leader in wired and wireless connectivity products, offering a wide range of solutions across many key industries, including electronics, medical, industrial automation, military, and telecommunication. L-com also stocks a wide selection of 2.4 GHz to 2.5 GHz antennas that ship same-day from our warehouse.

Configuration

Design	Rubber Duck
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Linear
Connector Type	SMA Male

Electrical Specifications

Description	Minimum	Typical	Maximum	Units

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications:
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Frequency Range	2,400		2,500	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		2		dBi
Input Power			10	Watts

Mechanical Specifications

Radome Material	TPEE/ABS
Size	
Length	3.82 in [97.03 mm]
Width	0.55 in [13.97 mm]
Height	0.55 in [13.97 mm]
Weight	0.0242 lbs [10.98 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +65 deg C
Storage Range	-40 to +80 deg C
Environment	Waterproof
Ingress Protection	IPx7

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

2.4 GHz to 2.5 GHz Concave Shaped Antenna, Dipole, SMA Male Connector, 2 dBi Gain 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.

L-com CAD Drawing