

800 MHz to 2.7 GHz LTE Antenna, Tilt and Swivel, Monopole, SMA Male Connector, 3 dBi Gain

LCANRBD1054



Features

- 800-960 / 1710-2170 / 2400-2700 MHz, 3 dBi Gain
- SMA male connector
- Plug and play
- VSWR < 3.5:1
- Linear polarization
- Monopole antenna

Applications

- 4G LTE applications
- Wireless communications
- IOT sensors and trackers
- Wireless microphones
- Remote control
- Industrial monitoring and data transmission
- Amateur radio
- 2.4 GHz Wi-Fi and ISM applications
- 802.11 a/b/g/n/ax, wireless hotspots
- 5G bands: n1, n2, n3, n5, n7, n8, n18, n20, n25, n26, n34, n38, n39, n41, n53, n65, n81, n82, n84, n89, n90, n91, n92, n93, n94, n95, n98, n100, n101
- 4G LTE bands: B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B18, B19, B20, B23, B25, B26, B27, B34, B35, B36, B37, B38, B39, B41, B65, B66, B69, B70

Description

The L-com LCANRBD1054 is an omni antenna operating from 800 MHz to 2.7 GHz with 3 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 0.37 inches wide, 2.8 inches long, and 0.37 inches tall. Our tilt-and-swivel LTE antenna is specifically stocked to be available for same business day shipment.

This monopole omnidirectional antenna has a linear polarization and an SMA male connector. Our 3 dBi gain LCANRBD1054 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 3 dBi antenna for the 800 MHz to 2.7 GHz frequency range. Our black omnidirectional antenna functions between -40 to 70 degrees C and has 50 Ohm impedance.

L-com WiFi antenna is ideal for 4G LTE applications, public safety, security, construction, wireless communications, IOT applications, RFID, 2.4 GHz Wi-Fi and ISM applications, bluetooth, industrial monitoring and data transmission, remote control, and amateur radio. These 3 dBi antennas have a sturdy design and a high power handling capacity. Our high-quality LCANRBD1054 omnidirectional antenna has a maximum input VSWR of 4:1, which results in the best power transfer and reduced losses.

The 3 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 800 MHz to 2.7 GHz antennas that ship same-day from our warehouse.

Configuration

Design	Rubber Duck
Application Band	5G, LTE, GSM, CDMA, 4G
Band Type	Multi
Radiation Pattern	Omni Directional
Polarization	Linear
Connector Type	SMA Male
Housing Material and Plating	ABS, Black

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	800		2,700	MHz

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Impedance		50		Ohms
Input Power			10	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency	0.8 to 0.96	1.71 to 2.17	2.4 to 2.7			GHz
Gain	2.5	3.5	3			dBi
VSWR Max	2.5:1	3.5:1	3.5:1			

Mechanical Specifications

Radome Material	ABS
Housing Material	ABS
Housing Plating/Color	Black

Size

Length	2.8 in [71.12 mm]
Width	0.37 in [9.4 mm]
Height	0.37 in [9.4 mm]
Weight	0.01804 lbs [8.18 g]

Environmental Specifications

Temperature

Operating Range	-40 to +70 deg C
Storage Range	-40 to +70 deg C
Environment	Waterproof
Ingress Protection	IP65

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

Plotted and Other Data

Notes:

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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.

800 MHz to 2.7 GHz LTE Antenna, Tilt and Swivel, Monopole, SMA Male Connector, 3 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.

URL: <https://www.l-com.com/800-mhz-2.7-ghz-lte-antenna-tilt-swivel-monopole-sma-male-connector-3-dbi-gain-lcanrbd1054.html>

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