2.4 to 2.5 GHz Rubber Duck Antenna
3 dBi RP-SMA Male Tilt Swivel

LCANRBD1055

Features

- 2400 MHz to 2500 MHz
- 3 dBi Gain
- Reverse Polarity SMA Male connector
- Tilt/Swivel
- VSWR 2:1
- Linear polarization

Applications

- 2.4 GHz ISM
- Bluetooth
- ZigBee
- IEEE 802.11b/g
- IEEE 802.15.4
- Fixed and Mobile Devices

Description

The LCANRBD1055 is a high-quality single-band rubber duck antenna with 3 dBi nominal gain and has a frequency range of 2400 MHz to 2500 MHz. L-com's omnidirectional tilt/swivel rubber duck antenna is 5.46 inches tall and 0.4 inches wide.

The LCANRBD1055 rubber duck antenna from L-com features a Reverse Polarity SMA Male connector with an input VSWR (voltage standing wave ratio) of 2:1.

L-com's linearly polarized antenna can operate at temperatures ranging from -40 °C to 60 °C. This single-band rubber duck antenna is offered with expert technical support, PDF datasheets, and CAD drawings with dimensions and specifications.

Configuration

Design	Rubber Duck
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Linear
Connector Type	SMA Male Reverse Polarity
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		2,500	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		3		dBi

Mechanical Specifications

Radome Material	TPEE/ABS/POM
Size	
Length	5.46 in [138.68 mm]
Width	0.4 in [10.16 mm]
Height	0.4 in [10.16 mm]
Weight	0.2 lbs [90.72 g]

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Environmental Specifications

Temperature

Operating Range	-40 to +65 deg C
Storage 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.

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.

2.4 to 2.5 GHz Rubber Duck Antenna 3 dBi RP-SMA Male Tilt Swivel 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/2.4-2.5-ghz-rubber-duck-antenna-3-dbi-rp-sma-male-tilt-swivel-lcanrbd1055-p.aspx

LCANRBD1055 CAD Drawing

2.4 to 2.5 GHz Rubber Duck Antenna 3 dBi RP-SMA Male Tilt Swivel