

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

PEANRBD1054



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 Pasternack PEANRBD1054 antenna is an omni antenna operating from 800 MHz to 2.7 GHz with 3 dBi gain. Our high-quality rubber duck antenna transmits high power signals, increasing the signal strength, thus providing improved coverage, better broadcast control, and faster speed. The SMA male connector on this monopole antenna enables it to be used vertically or at any angle in between.

This PEANRBD1054 tilt-and-swivel LTE antenna is 0.37 inches wide, 2.8 inches long, and 0.37 inches tall. Pasternack's omnidirectional antenna has a maximum input VSWR of 4:1, which results in the best power transfer and reduced losses. This omnidirectional antenna has a linear polarization, an SMA male connector, and an ABS radome material. Our black antenna functions between -40 to 70 degrees C and has 50 Ohm impedance.

The Pasternack 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. This monopole antenna has a waterproof design and a high power handling capacity. The PEANRBD1054 single-band antenna has a gain of 3 dBi for the 800 MHz to 2.7 GHz frequency range.

This 3 dBi gain omni directional antenna is one of the thousands of products available from Pasternack's in-stock inventory with same business day shipment for local, domestic, and international orders. Make your online purchase for our high-quality antennas and take advantage of the same business day shipping services. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the perfect 800 MHz to 2.7 GHz antenna for your requirement.

Configuration

Design	Rubber Duck
Band Type	Single
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
Impedance		50		Ohms

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input Power			10	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	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	0.02 lbs [9.07 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 Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [800 MHz to 2.7 GHz LTE Antenna, Tilt and Swivel, Monopole, SMA Male Connector, 3 dBi Gain PEANRBD1054](https://www.pasternack.com/rubber-duck-antenna-800-2700-mhz-sma-male-connector-peanrbd1054-p.aspx)

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PEANRBD1054 CAD Drawing

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