

3 dBi WideBand Rubber Duck Antenna 860-960 MHz SMA Connector



Antennas Technical Data Sheet

PE51RD1009

Features

- 900 MHz Omnidirectional
- · Flexible Rubber Duck Antenna

- SMA Male Connector
- Tilt and Swivel Design

Applications

- 900 MHz Digital Spread Spectrum Radios
- 900 MHz ISM Band
- 900 MHz Telemetry Products

- · LoRA, IoT, M2M Applications
- · Cellular Band Applications

Description

The Pasternack PE15RD1009 high performance 900 MHz omnidirectional "rubber-duck" antenna features a tilt-and-swivel SMA-Male connector, allowing them to be used vertically, at a right angle, or any angle in-between. It is a coaxial sleeve design with an omni-directional pattern. It is ideally suited for 900MHz ISM band applications as well as cellular applications.

The high performance rubber-duck PE51RD1009 from Pasternack, measuring 8.62" long, is a flexible antenna providing broad coverage and 3 dBi gain. It is suitable as a replacement RF antenna for 900 MHz radios that are equipped with SMA-Male connectors such as wireless video transmitters and receivers, 900 MHz digital spread spectrum radios and more.

This rubber duck antenna, as well as our wide selection of superior quality RF devices, ship same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other Pasternack products.

Configuration

Application Band
Band Type
Radiation Pattern
Polarization
Cable Type
Connector Type
Number of Ports

RFID||LPWAN||ISM

Wide

Omni Directional

Vertical Coax Cable SMA Male

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DC Ground

Lightning Protection **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units		
Frequency Range	860	860		MHz		
Input VSWR			2:1			
Impedance		50		Ohms		
Gain		3		dBi		
Horizontal (Azimuth) Beam Width	Omnidirectional					
Vertical (Elevation) Beam Width		Degrees				
Input Power			50	Watts		

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 3 dBi WideBand Rubber Duck Antenna 860-960 MHz SMA Connector PE51RD1009

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

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Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	860-960					MHz
Gain	3					dBi
Horizontal Beam Width	360					Degrees
Vertical Beam Width	62					Degrees
Maximum Input Power	50					Watts

Mechanical Specifications

Size

 Overall Length
 8.62 in [218.95 mm]

 Width
 0.66 in [16.76 mm]

 Height
 0.66 in [16.76 mm]

 Weight
 0.1 lbs [45.36 g]

Environmental Specifications

Temperature

Operating Range -40 to +60 deg C

Environment UL 94HB

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

3 dBi WideBand Rubber Duck Antenna 860-960 MHz SMA Connector 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.

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URL: https://www.pasternack.com/wide-antenna-860-960-mhz-3-dbi-gain-sma-pe51rd1009-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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PE51RD1009 CAD Drawing

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