

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



PE51RD1008

Antennas Technical Data Sheet

Features

- 900 MHz Omnidirectional
- Flexible Rubber Duck Antenna

Applications

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

- Reverse Polarity SMA-Plug (RP-SMA) Connector
- Tilt and Swivel Design
- LoRA, IoT, M2M Applications
- Cellular Band Applications

Description

The Pasternack PE51RD1008 high performance 900 MHz omnidirectional "rubber-duck" antenna features a tilt-and-swivel Reverse Polarity SMA-Plug (RP-SMA) connector, allowing them to be used vertically, at a right angle, or any angle inbetween. 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 PE51RD1008 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 900MHz radios that are equipped with RP-SMA connectors such as wireless video transmitters and receivers, 900MHz 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	RFID LPWAN ISM
Band Type	Wide
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	SMA Plug Reverse Polarity
Number of Ports	1
Lightning Protection	DC Ground

Electrical Specifications

860		960	
		960	MHz
		2:1	
	50		Ohms
	3		dBi
Omnidirectional			
	62		Degrees
		50	Watts
		3 Omnidirectional	50 3 Omnidirectional 62

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 RP-SMA Connector PE51RD1008

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

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Specifications by Band

Band 1	Band 2	Band 3	Band 4	Band 5	Units
860-960					MHz
3					dBi
360					Degrees
62					Degrees
50					Watts
	860-960 3 360 62	860-960 3 360 62	860-960 3 360 62	860-960 3 360 62	860-960 3 360 62

Mechanical Specifications

Size Overall Length Width Height Weight	8.62 in [218.95 mm] 0.66 in [16.76 mm] 0.66 in [16.76 mm] 0.1 lbs [45.36 g]
Environmental Specifications Temperature Operating Range Environment	-40 to +60 deg C UL 94HB

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

3 dBi WideBand Rubber Duck Antenna 860-960 MHz RP-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-pe51rd1008-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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PE51RD1008 CAD Drawing 3 dBi WideBand Rubber Duck Antenna 860-960 MHz RP-SMA Connector

