

136-174 MHz Rubber Duck Antenna, 1.8 dBi gain, SMA Male Connector, Vertical Polarization

Antennas Technical Data Sheet

PEANRBD1019

Features

- 136 MHz to 174 MHz, 1.8 dBi Gain
- SMA-Male connector
- Heliflex whip antenna
- Plug and play

- 50W power handling
- VSWR < 1.5:1
- Vertical polarization
- Black

Applications

- PtP or PtMP applications
- Trunking for two-way radio comms
- VHF applications
- Public Safety / Emergency services

- Marine / Rail road communications
- P-25 applications exclusively supported
- Land mobile radio (LMR)
- Fixed and mobile services

Description

Vertical polarized antenna PEANRBD1019 from Pasternack is part of our extensive in-stock omni directional antennas that ship the same day from our ISO 9001:2015 certified facility. The antenna with 136 to 174 MHz frequency range has a maximum input VSWR of 1.5:1. This omni directional antenna has SMA male connector.

This antenna has a black radome made of TPE, an overall length of 6.41 in, width of 0.50 in, and weighs 0.022 lbs. Pasternack's PEANRBD1019 is a single band antenna operating from 136 to 174 MHz with 1.8 dBi gain.

Pasternack's experts are on hand to assist you with any inquiries. Order this PEANRBD1019 antenna 7 days a week, 24 hours a day using our on-line ordering system with no MOQs (minimum order quantity) and same-day shipping.

Configuration

Design
Band Type
Radiation Pattern
Polarization
Connector Type

Rubber Duck
Single
Omni Directional
Vertical
SMA Male

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	136		174	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		1.8		dBi
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: [136-174 MHz Rubber Duck Antenna, 1.8 dBi gain, SMA Male Connector, Vertical Polarization PEANRBD1019](#)

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Mechanical Specifications

Radome Material

TPE

Size

Overall Length

6.41 in [162.81 mm]

Width

0.5 in [12.7 mm]

Height

0.5 in [12.7 mm]

Weight

0.022 lbs [9.98 g]

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

Notes:

136-174 MHz Rubber Duck Antenna, 1.8 dBi gain, SMA Male Connector, Vertical Polarization 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/1.8-dbi-rubber-duck-antenna-136-174-mhz-sma-male-connector-peanrbd1019-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.

PEANRBD1019 CAD Drawing

E 136-174 MHz Rubber Duck Antenna, 1.8 dBi gain, SMA
Male Connector, Vertical Polarization

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ZONE		REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
A		INITIAL RELEASE		02/28/2023		KHIE TPAS



PASTERNACK® an INFINIT® brand			
INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5			SCALE
Website: www.Pasternack.com	Phone: 1.866.727.8376	1.949.261.1920	NONE
DESCRIPTION	1 OF 1	SHEET	
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS			
TOLERANCES:			
$X = \pm .2$ [5]	FRACTIONS		
$XX = \pm .02$ [.5]	$\pm .132$		
$XXX = \pm .005$ [.13]	ANGLES $\pm 1^\circ$		
CABLE LENGTH TOLERANCES:			
≤ 12 [305] = $+1 [25]$ / -0			
> 12 [305] ≤ 60 [1524] = $+2 [51]$ / -0			
> 60 [1524] ≤ 120 [3048] = $+4 [102]$ / -0			
> 120 [3048] ≤ 300 [7620] = $+6 [152]$ / -0			
> 300 [7620] = $+5\%$ / -0			
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	DFRISIELLO	PEANRBD1019
REV			A

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