

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



Antennas Technical Data Sheet

PEANRBD1027

Features

- 136 MHz to 174 MHz, 1.8 dBi Gain
- MOTO 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 PEANRBD1027 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 MOTO connector.

This antenna has a black radome made of TPE, an overall length of 5.90 in, width of 0.50 in, and weighs 0.022 lbs. Pasternack's PEANRBD1027 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 PEANRBD1027 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
MOTO

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, MOTO Connector, Vertical Polarization PEANRBD1027](#)

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Mechanical Specifications

Radome Material

TPE

Size

Overall Length

5.9 in [149.86 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, MOTO 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-invalid-alias-lookup-for-moto-connector-peanrbd1027-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.

PEANRBD1027 CAD Drawing

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

F

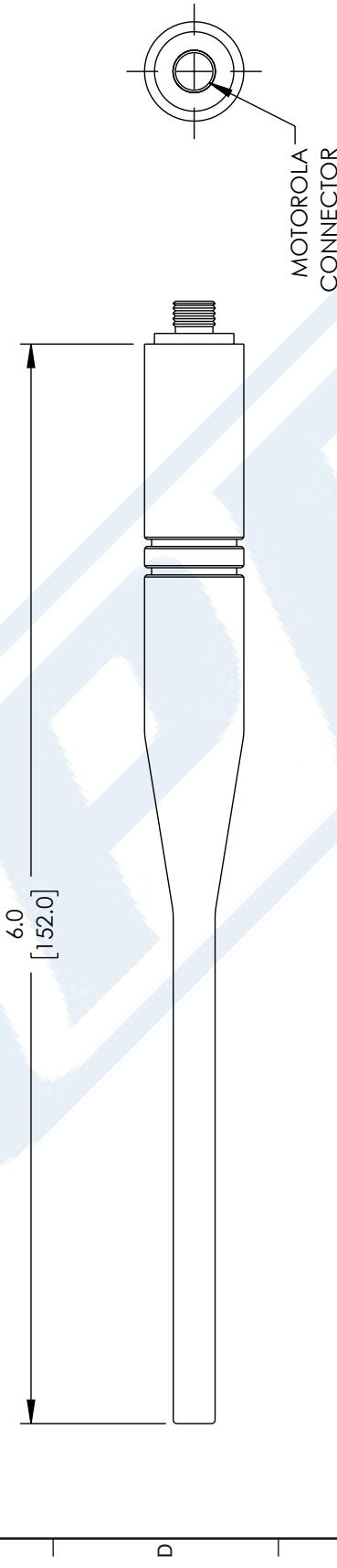
D

C

B

A

ZONE	REV	DESCRIPTION	REVISION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE		02/22/2023		KHIETPAS



PASTERNACK® an INFINIT® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
		SCALE	1 OF 1
DESCRIPTION	Website: www.Pasternack.com	Phone: 1.866.727.8376 1.949.261.1920	REV A
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	FRACTIONS		
TOLERANCES:	X = $\pm .2$ [5] XX = $\pm .02$ [.5] XXX = $\pm .005$ [.13]	$\pm .132$ 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 A	CAGE CODE 53919	DRAWN BY DFRISIELLO

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