

66-88 MHz Rubber Duck Antenna, 1.8 dBi gain,  
SMA Male Connector, Vertical Polarization

## Antennas Technical Data Sheet

**PEANRBD1023**

### Features

- 66 MHz to 88 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 PEANRBD1023 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 66 to 88 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 8.37 in, width of 0.50 in, and weighs 0.022 lbs. Pasternack's PEANRBD1023 is a single band antenna operating from 66 to 88 MHz with 1.8 dBi gain.

Pasternack's experts are on hand to assist you with any inquiries. Order this PEANRBD1023 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	66		88	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: [66-88 MHz Rubber Duck Antenna, 1.8 dBi gain, SMA Male Connector, Vertical Polarization PEANRBD1023](#)

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#### Mechanical Specifications

Radome Material

TPE

##### Size

Overall Length

8.37 in [212.6 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:

66-88 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-66-88-mhz-sma-male-connector-peanrbd1023-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.

# PEANRBD1023 CAD Drawing

66-88 MHz Rubber Duck Antenna, 1.8 dBi gain, SMA Male Connector, Vertical Polarization

F

E

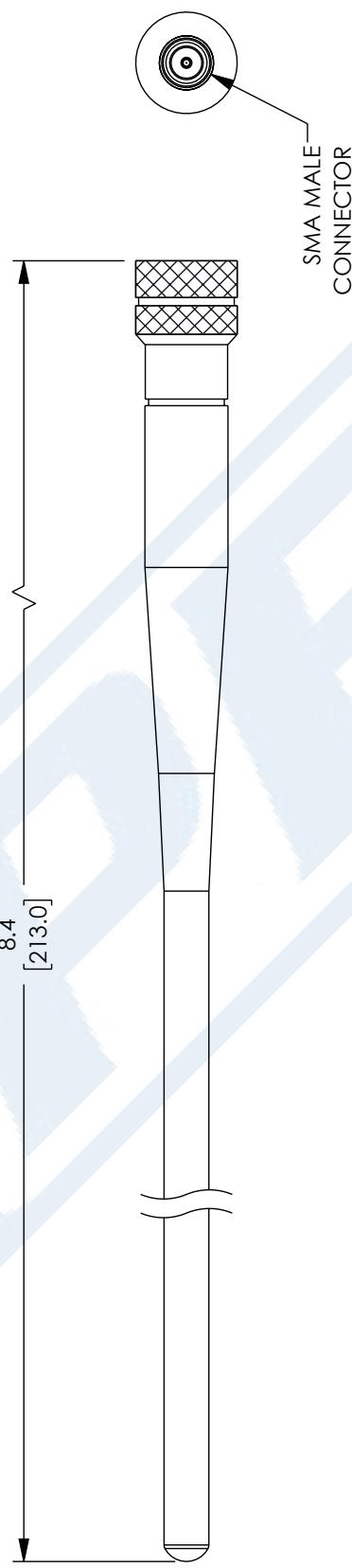
D

C

B

A

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



<b>PASTERNACK®</b> an INFINIT® brand		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE NONE
Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920		

UNLESS OTHERWISE SPECIFIED  
 LEADING DIMENSIONS ARE INCHES  
 DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

$X = \pm .2$	$[.5]$	<u>FRACTIONS</u>
$XX = \pm .02$	$[.5]$	$\pm .1/32$
$XXX = \pm .005$	$[.13]$	ANGLES $\pm 1^\circ$

CABLE LENGTH TOLERANCES:

$\le 12 [305]$	$= +1 [25] / -0$
$> 12 [305] \le 60 [1524]$	$= +2 [51] / -0$
$> 60 [1524] \le 120 [3048]$	$= +4 [102] / -0$
$> 120 [3048] \le 300 [7620]$	$= +6 [152] / -0$
$> 300 [7620]$	$= +5\% / -0$

DESCRIPTION

66-88 MHz, Rubber duck Antenna, 1.8 dBi, with SMA Male

ALL DIMENSIONS ARE FOR REFERENCE ONLY  
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