



400-470/1572-1578 MHz Rubber Duck Antenna, 1.8 dBi gain, MTH800 Connector, Vertical Polarization

Antennas Technical Data Sheet

PEANRBD1018

Features

- 400 MHz to 470 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
- UHF applications
- Public Safety / Emergency services
- Tetra and P-25 applications exclusively supported
- Land and Private mobile radio (LMR) (PMR)
- Fixed and mobile services
- GPS

Description

Vertical polarized antenna PEANRBD1018 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 400 to 470 and 1572 to 1578 MHz frequency range has a maximum input VSWR of 1.5:1. This omni directional antenna has MTH800 connector.

This antenna has a black radome made of TPE, an overall length of 3.03 in, width of 0.50 in, and weighs 0.022 lbs. Pasternack's PEANRBD1018 is a dual band antenna operating from 400 to 470 and 1572 to 1578 MHz with 1.8 dBi gain.

Pasternack's experts are on hand to assist you with any inquiries. Order this PEANRBD1018 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	Rubber Duck
Band Type	Dual
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	MTH800

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	400		1,578	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain	1.8		2	dBi
Input Power			50	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.4 to 0.47	1.572 to 1.578				GHz
Gain	1.8	2				dBi
VSWR Max	1.5:1	2:1				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [400-470/1572-1578 MHz Rubber Duck Antenna, 1.8 dBi gain, MTH800 Connector, Vertical Polarization PEANRBD1018](#)



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Mechanical Specifications

Radome Material

TPE

Size

Overall Length

3.03 in [76.96 mm]

Width

0.5 in [12.7 mm]

Height

0.5 in [12.7 mm]

Weight

0.02 lbs [9.07 g]

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

Notes:

400-470/1572-1578 MHz Rubber Duck Antenna, 1.8 dBi gain, MTH800 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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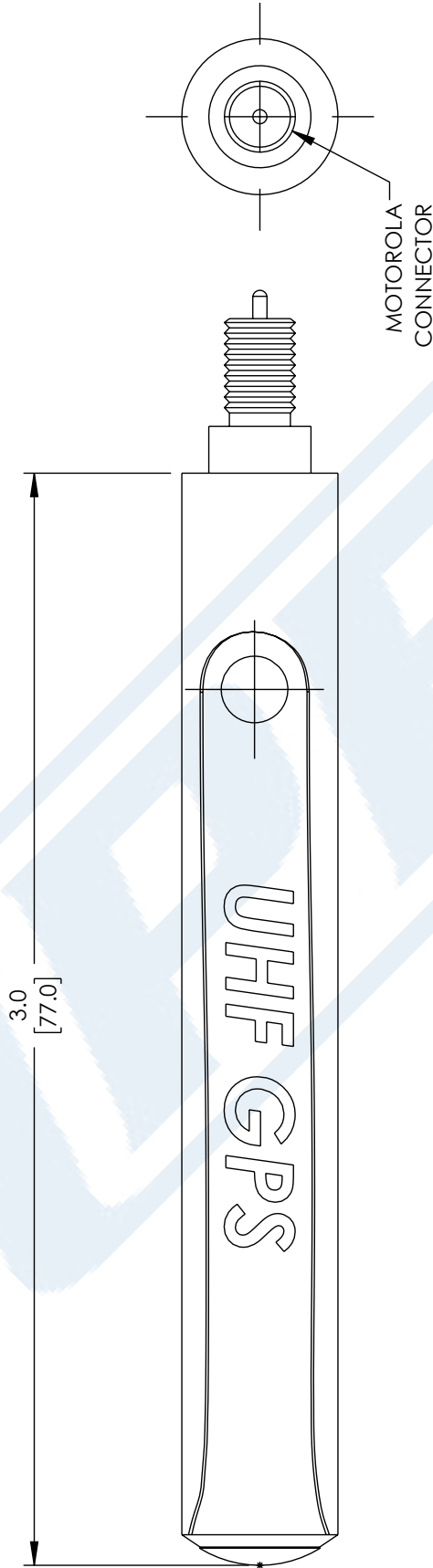
URL: <https://www.pasternack.com/1.8-dbi-rubber-duck-antenna-400-470-1572-1578-gps-mhz-mth800-connector-pean-rbd1018-p.aspx>

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.

PEANRBD1018 CAD Drawing

400-470/1572-1578 MHz Rubber Duck Antenna, 1.8 dBi gain, MTH800 Connector, Vertical Polarization

REVISION			
ZONE	REV	DESCRIPTION	APPROVED
	A	INITIAL RELEASE	KHIETPAS
		DATE	02/28/2023
		CHANGED BY	



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

TOLERANCES:
X = ±.2 [5] FRACTIONS
.XX = ±.02 [.5] ± 1/32
.XXX = ±.005 [.13] ANGLES ± 1°
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



Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION

380-430 / GPS MHz, Rubber duck Antenna, 1.8 dBi, with Moto conn



INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5
SCALE NONE
SHEET 1 OF 1

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