



400-868 MHz Rubber Duck Antenna, 2.5 dBi gain,  
TNC Male Connector, Vertical Polarization

## Antennas Technical Data Sheet

**PEANRBD1016**

### Features

- 400 MHz to 868 MHz, 2.5 dBi Gain
- TNC-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
- UHF applications
- Public Safety / Emergency services
- Tetra and P-25 applications exclusively supported
- Land and Private mobile radio (LMR) (PMR)
- Fixed and mobile services

### Description

Vertical polarized antenna PEANRBD1016 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 868 MHz frequency range has a maximum input VSWR of 1.5:1. This omni directional antenna has TNC male connector.

This antenna has a black radome made of TPE, an overall length of 6.48 in, width of 0.50 in, and weighs 0.022 lbs. Pasternack's PEANRBD1016 is a single band antenna operating from 400 to 868 MHz with 2.5 dBi gain.

Pasternack's experts are on hand to assist you with any inquiries. Order this PEANRBD1016 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         | Single           |
| Radiation Pattern | Omni Directional |
| Polarization      | Vertical         |
| Connector Type    | TNC Male         |

### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | 400     |         | 868     | MHz   |
| Input VSWR      |         |         | 1.5:1   |       |
| Impedance       |         | 50      |         | Ohms  |
| Gain            |         | 2.5     |         | 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: [400-868 MHz Rubber Duck Antenna, 2.5 dBi gain, TNC Male Connector, Vertical Polarization PEANRBD1016](#)



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### Mechanical Specifications

Radome Material

TPE

#### Size

Overall Length

6.48 in [164.59 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:

400-868 MHz Rubber Duck Antenna, 2.5 dBi gain, TNC 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/2.5-dbi-rubber-duck-antenna-400-868-mhz-tnc-male-connector-peanrbd1016-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.

PEANRBD1016 CAD Drawing

400-868 MHz Rubber Duck Antenna, 2.5 dBi gain, TNC

Male Connector, Vertical Polarization

