



1.8 dBi, CB Rubber Duck Antenna, 28 MHz,  
BNC Connector, Vertical Polarization

## Antennas Technical Data Sheet

**PEANRBD1012**

### Features

- 28 MHz, 1.8 dBi Gain
- BNC connector
- Telescopic radiator
- Plug and play
- 20W power handling
- VSWR < 2:1
- Vertical polarization

### Applications

- PtP or PtMP applications
- Trunking for two-way radio comms
- Marine radio comms
- Citizen Band applications
- Inshore comms

### Description

The PEANRBD1012 rubber duck antenna from Pasternack is part of our extensive line of directional antennas that we offer with global same-day shipping from our facilities certified to ISO 9001:2015. Pasternack's high-quality single-band rubber duck antenna has a 1.8 dBi nominal gain and can be procured with no order limit. This rubber duck single-band 1.8 dBi antenna has a maximum frequency of 28 MHz.

We lead the industry in supplying products like this 28 MHz single-band antenna, along with other RF, microwave, and millimeter wave components. This rubber duck antenna from Pasternack uses a BNC connector and has a maximum input power of 20 watts. Use our single-band rubber duck antenna with vertical polarization for marine radio and inshore communications, trunking for two-way radio communications, citizen band, and PtP or PtMP applications.

Pasternack's rubber duck antenna with 1.8 dBi gain has a BNC-type connector. This BNC-series connectorized omnidirectional antenna is 0.5 inches tall, 0.5 inches wide, and 9.05 inches long. The PEANRBD1012 CB antenna has 360-degrees of horizontal and 90-degrees of vertical HPBW. Our high-quality antenna has a maximum input VSWR (voltage standing wave ratio) of 2:1.

Pasternack's 50 Ohms impedance antenna can operate at temperatures ranging from -40 °C to 60 °C. This single-band rubber duck antenna is offered with expert technical support, PDF datasheets, and CAD drawings with dimensions and specifications. Order your 1.8 dBi CB rubber duck antennas now and enjoy our international or domestic same-day shipping.

### Configuration

Design	Rubber Duck
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	BNC

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	26.8		28	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		1.8		dBi
Horizontal (Azimuth) Beam Width		Omnidirectional		

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.8 dBi, CB Rubber Duck Antenna, 28 MHz, BNC Connector, Vertical Polarization PEANRBD1012](#)



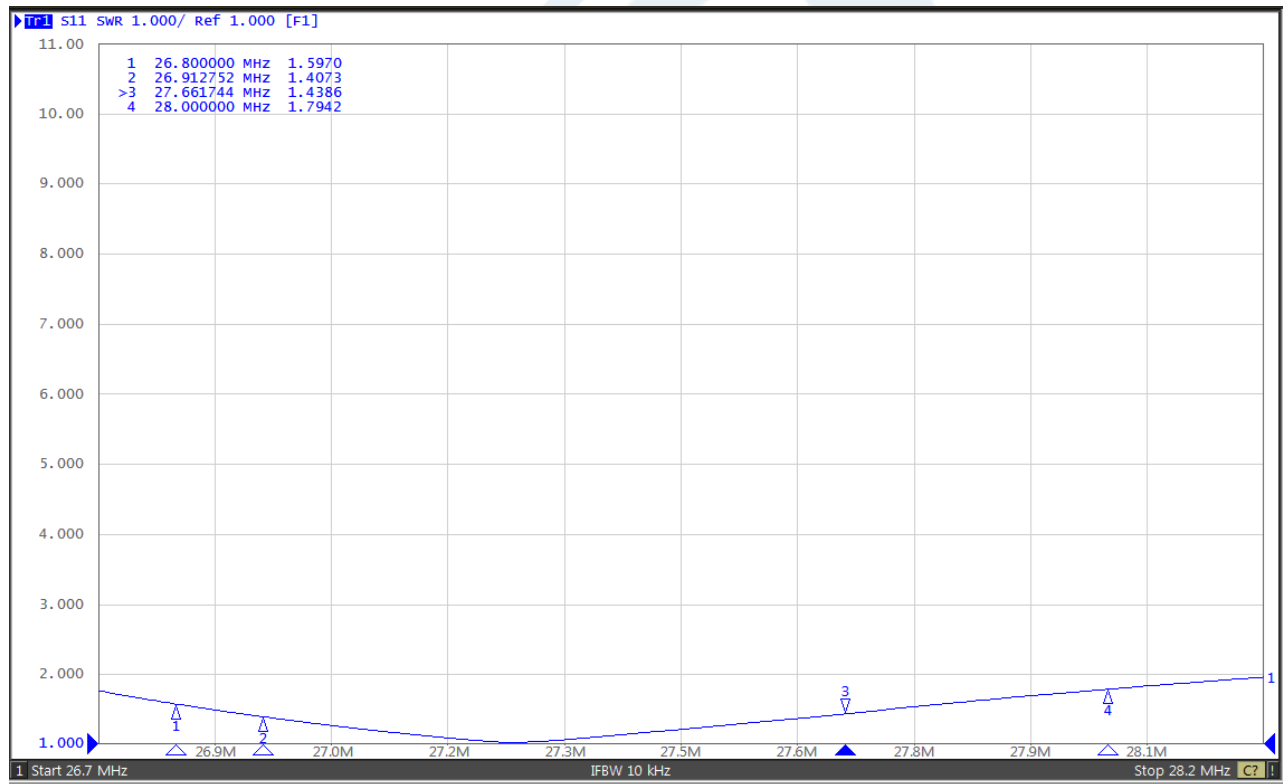
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Vertical (Elevation) Beam Width	90	Degrees
Input Power	20	Watts

VSWR plot:



### Mechanical Specifications

Radome Material

Copper

#### Size

Overall Length

9.05 in [229.87 mm]

Width

0.5 in [12.7 mm]

Height

0.5 in [12.7 mm]

Weight

0.18 lbs [81.65 g]

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### Environmental Specifications

#### Temperature

Operating Range

-40 to +60 deg C

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

### Plotted and Other Data

Notes:

1.8 dBi, CB Rubber Duck Antenna, 28 MHz, BNC 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.8 dBi, CB Rubber Duck Antenna, 28 MHz, BNC Connector, Vertical Polarization PEAN-RBD1012](#)

URL: <https://www.pasternack.com/1.8-dbi-cb-rubber-duck-antenna-28-mhz-bnc-connector-vertical-polarization-pean-rbd1012-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.

# PEANRBD1012 CAD Drawing

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