

868 MHz Rubber Duck Antenna, 3.5 dBi gain,
SMA Male Connector, Vertical Polarization



Antennas Technical Data Sheet

PEANRBD1017

Features

- 868 MHz, 3.4 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
- 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 PEANRBD1017 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 868 MHz frequency band 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 6.68 in, width of 0.50 in, and weighs 0.022 lbs. Pasternack's PEANRBD1017 is a single band antenna with 868 MHz frequency band and 3.5 dBi gain.

Pasternack's experts are on hand to assist you with any inquiries. Order this PEANRBD1017 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	SMA Male

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		3.5		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: [868 MHz Rubber Duck Antenna, 3.5 dBi gain, SMA Male Connector, Vertical Polarization PEANRBD1017](#)

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Mechanical Specifications

Radome Material

TPE

Size

Overall Length

6.68 in [169.67 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:

868 MHz Rubber Duck Antenna, 3.5 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.

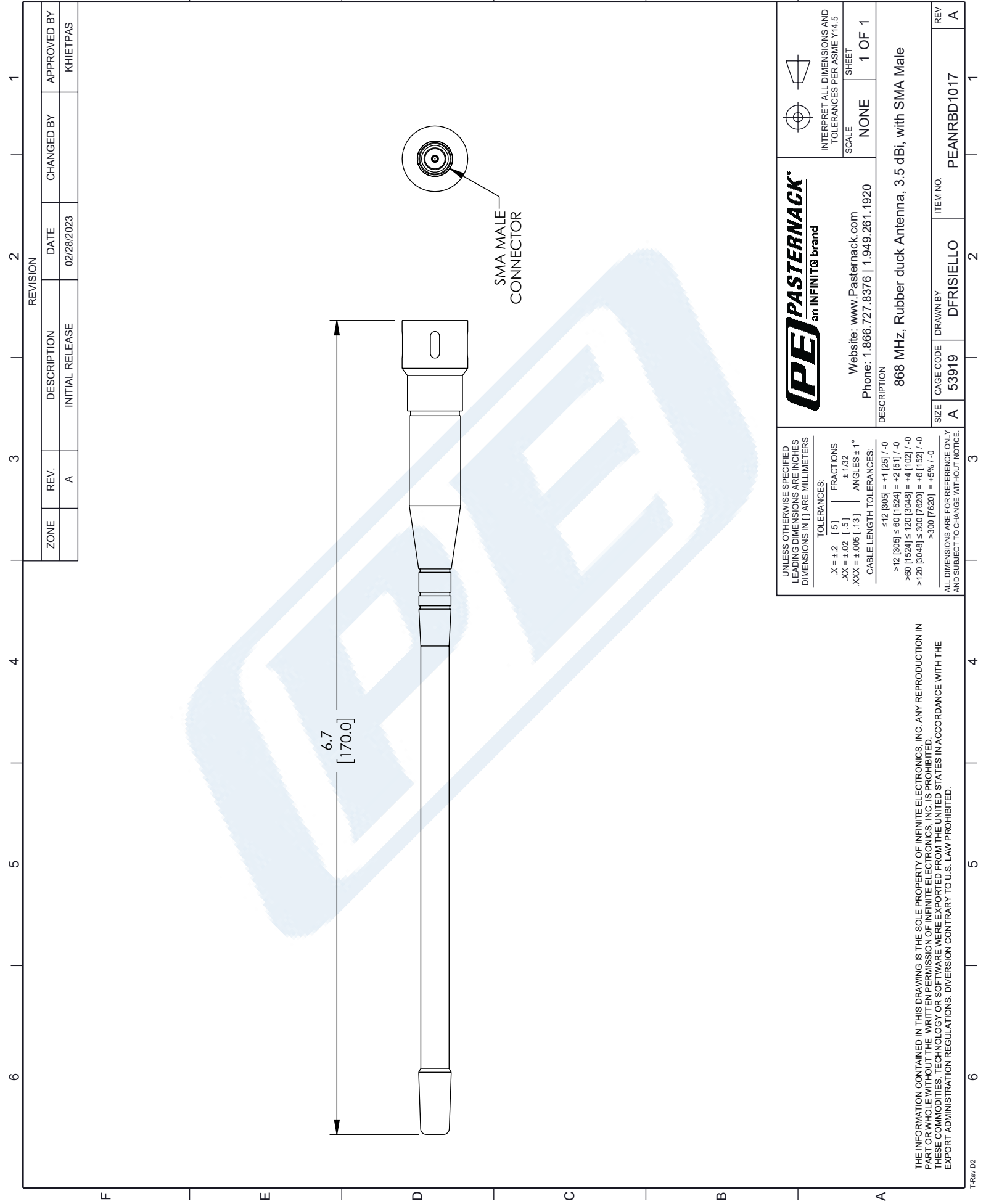
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URL: <https://www.pasternack.com/3.5-dbi-rubber-duck-antenna-sma-male-connector-peanrbd1017-p.aspx>

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.

PEANRBD1017 CAD Drawing

868 MHz Rubber Duck Antenna, 3.5 dBi gain, SMA Male Connector, Vertical Polarization



6.7
[170.0]

SMA MALE
CONNECTOR

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

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE

PE PASTERNAK®
an INFINITE® brand

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

DESCRIPTION
868 MHz, Rubber duck Antenna, 3.5 dBi, with SMA Male

SIZE | CAGE CODE | DRAWN BY | ITEM NO.
A | 53919 | DFRISIELLO | PEANRBD1017

INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE | SHEET
NONE | 1 OF 1

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

REVISION

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