PASTERNACK
an INFINITE brand

# 900 MHz to 935 MHz Stubby Antenna, Monopole, 90-degree angle, SMA Male Connector, 1 dBi Gain

## Antennas Technical Data Sheet PEANRBD1039

### Features

- 900-935 MHz, 1 dBi Gain
- 90-degree SMA male connector
- Plug and play
- VSWR < 2:1
- Linear polarization
- Monopole antenna

### Applications

- Public Safety, security, construction sites
- IOT sensors and trackers
- Wireless communications
- Remote control
- Industrial monitoring and tracking
- Amateur radio
- RFID applications
- Asset tracking and management
- Wireless metering and paging systems

### Description

The Pasternack PEANRBD1039 antenna is an omni antenna operating from 900 MHz to 935 MHz with 1 dBi gain. Our high-quality rubber duck antenna transmits high power signals, increasing the signal strength, thus providing improved coverage, better broadcast control, and faster speed. The SMA male connector on this monopole antenna enables it to be used vertically, at a right angle, or at any angle in between.

This PEANRBD1039 stubby antenna is 0.37 inches wide, 2.01 inches long, and 0.37 inches tall. Pasternack's omnidirectional antenna has a maximum input VSWR of 2:1, which results in the best power transfer and reduced losses. This omnidirectional antenna has a linear polarization, an SMA male connector, and an ABS radome material. Our black antenna functions between -40 to 65 degrees C and has 50 Ohm impedance.

The Pasternack antenna is ideal for public safety, security, construction, wireless communications, RFID, asset tracking, inventory management, wireless metering systems, wireless paging systems, industrial monitoring and data transmission, remote control, and amateur radio. This monopole antenna has a waterproof design, a high power handling capacity, and IP65 ingress protection rating. The PEANRBD1039 single-band antenna has a gain of 1 dBi for the 900 MHz to 935 MHz frequency range.

This 1 dBi gain omni directional antenna is one of the thousands of products available from Pasternack's in-stock inventory with same business day shipment for local, domestic, and international orders. Make your online purchase for our high-quality antennas and take advantage of the same business day shipping services. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the perfect 900 MHz to 935 MHz antenna for your requirement.

### Configuration

| | |
|---|---|
| Design | Rubber Duck |
| Band Type | Single |
| Radiation Pattern | Omni Directional |
| Polarization | Linear |
| Connector Type | SMA Male |

### Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Frequency Range | 900 | | 935 | MHz |
| Input VSWR | | | 2:1 | |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 900 MHz to 935 MHz Stubby Antenna, Monopole, 90-degree angle, SMA Male Connector, 1 dBi Gain PEANRBD1039

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
**Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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| | | | | |
|---|---|---|---|---|
| Impedance | | 50 | | Ohms |
| Gain | 0 | | 1 | dBi |
| Input Power | | | 10 | Watts |

### Mechanical Specifications

Radome Material: ABS

**Size**

| | |
|---|---|
| Overall Length | 2.01 in [51.05 mm] |
| Width | 0.37 in [9.4 mm] |
| Height | 0.37 in [9.4 mm] |
| Weight | 0.0154 lbs [6.99 g] |

### Environmental Specifications

**Temperature**

| | |
|---|---|
| Operating Range | -40 to +65 deg C |
| Storage Range | -40 to +80 deg C |
| Environment | Waterproof |
| Ingress Protection | IP65 |

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

### Plotted and Other Data

Notes:

900 MHz to 935 MHz Stubby Antenna, Monopole, 90-degree angle, SMA Male Connector, 1 dBi Gain 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: 900 MHz to 935 MHz Stubby Antenna, Monopole, 90-degree angle, SMA Male Connector, 1 dBi Gain PEANRBD1039

URL:



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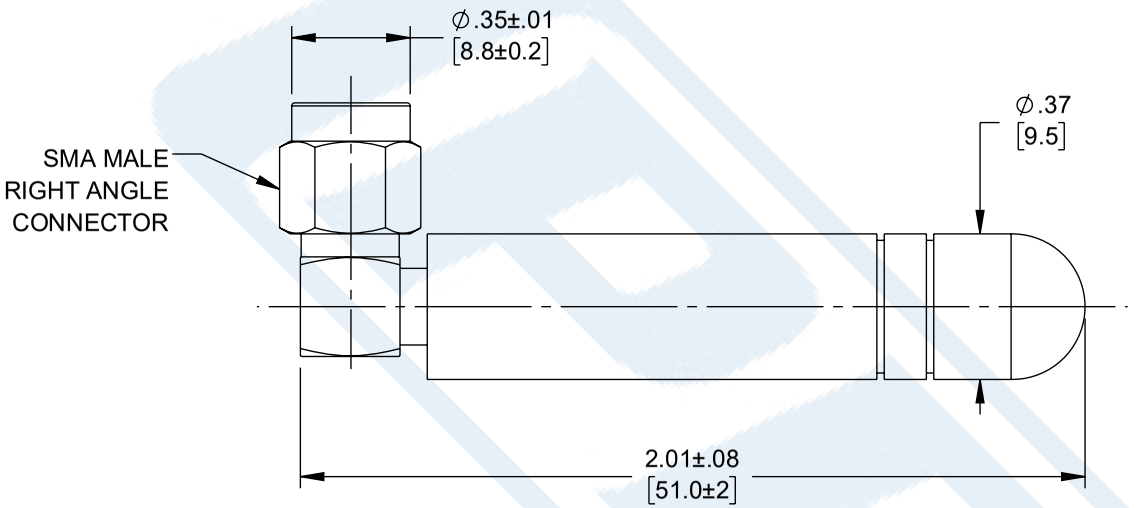
# PEANRBD1039 CAD Drawing

900 MHz to 935 MHz Stubby Antenna, Monopole, 90-degree angle, SMA Male Connector, 1 dBi Gain

| REVISION | | | | | |
|---|---|---|---|---|---|
| ZONE | REV | DESCRIPTION | DATE | CHANGED BY | APPROVED |
| | A | INITIAL RELEASE | 04/04/2023 | DMAY | KHIETPAS |




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

TOLERANCES:

.X = ±.2 [ 5 ]
.XX = ±.02 [ .5 ]
.XXX = ±.005 [ .13 ]

FRACTIONS ± 1/32
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.

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

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

| SCALE | SHEET |
|---|---|
| NONE | 1 OF 1 |

DESCRIPTION: 916MHz 90 ANGLE ANTENNA SMA

| SIZE | CAGE CODE | DRAWN BY | ITEM NO. | REV |
|---|---|---|---|---|
| A | 53919 | DMAY | PEANRBD1039 | A |



PEANRBD1039 REV 1

T-Rev.D2