



## 3.3 GHz to 3.8 GHz Blade Style Antenna, Dipole, SMA Male Connector, 4.5 dBi Gain

### Antennas Technical Data Sheet

**PEANRBD1052**

#### Features

- 3300-3800 MHz, 4.5 dBi Gain
- SMA male connector
- Plug and play
- VSWR < 2:1
- Vertical polarization
- Dipole antenna

#### Applications

- CBRS application range
- WISP applications
- 5G wireless network
- Remote monitoring
- Telemedicine, disaster response
- RFID
- Surveillance systems
- Broadcasting equipment addition
- 5G bands: n48, n77, n78
- 4G LTE bands: B22, B42, B43, B48, B49, B52

#### Description

The Pasternack PEANRBD1052 antenna is an omni antenna operating from 3.3 GHz to 3.8 GHz with 4.5 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 dipole antenna enables it to be used vertically or at any angle in between.

This PEANRBD1052 blade style antenna is 0.86 inches wide, 8.19 inches long, and 0.51 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 vertical polarization, an SMA male connector, and an ABS radome material. Our black antenna functions between -20 to 65 degrees C and has 50 Ohm impedance.

The Pasternack antenna is ideal for CBRS application range, WISP applications, 5G wireless network, remote monitoring, telemedicine, disaster response, RFID, surveillance systems, and broadcasting equipment addition. This dipole antenna has a sturdy design and a high power handling capacity. The PEANRBD1052 single-band antenna has a gain of 4.5 dBi for the 3.3 GHz to 3.8 GHz frequency range.

This 4.5 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 3.3 GHz to 3.8 GHz antenna for your requirement.

#### Configuration

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

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	3,300		3,800	MHz
Input VSWR			2:1	
Impedance		50		Ohms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.3 GHz to 3.8 GHz Blade Style Antenna, Dipole, SMA Male Connector, 4.5 dBi Gain PEANRBD1052](#)



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Gain	4.5	dBi
Input Power	10	Watts

### Mechanical Specifications

Radome Material	ABS
<b>Size</b>	
Overall Length	8.19 in [208.03 mm]
Width	0.86 in [21.84 mm]
Height	0.51 in [12.95 mm]
Weight	0.05544 lbs [25.15 g]

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-20 to +65 deg C
Storage Range	-20 to +65 deg C

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

### Plotted and Other Data

Notes:

3.3 GHz to 3.8 GHz Blade Style Antenna, Dipole, SMA Male Connector, 4.5 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.

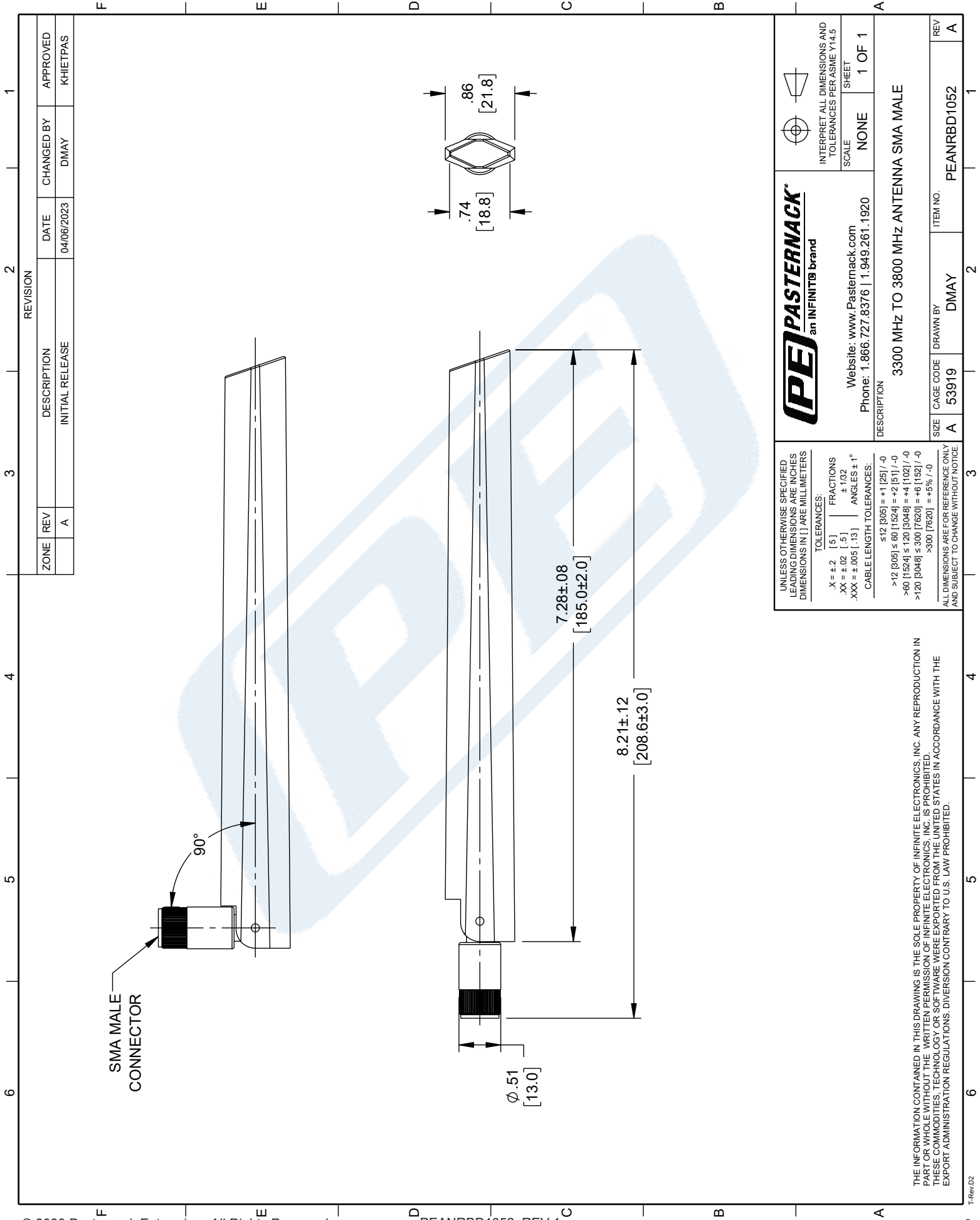
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [3.3 GHz to 3.8 GHz Blade Style Antenna, Dipole, SMA Male Connector, 4.5 dBi Gain PEAN-RBD1052](#)

URL:

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.

# PEANRBD1052 CAD Drawing

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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	04/06/2023	DMAY	KHIETPAS

 Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1	
DESCRIPTION: 3300 MHz TO 3800 MHz ANTENNA SMA MALE			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	DMAY	PEANRBD1052

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

TOLERANCES:  
 .X = ±.2 [5] FRACTIONS ±.1032  
 .XX = ±.02 [.5] ANGLES ± 1°  
 .XXX = ±.005 [.13] 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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