

# 136-174 MHz, 2.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, Reverse Polarity-SMA Plug Connector



## Antennas Technical Data Sheet

## PEANMOB1005-RSP

### Features

- Outdoor Rated Omni Directional Antenna
- 2.5 dBi Gain
- Easy to install magnetic mount offering temporary plug and play installation
- NMO Magnetic Mount, Black ABS Radome
- 1.5:1 VSWR Max
- 10 Foot, Black Low-Loss LMR195 Equivalent Cable
- Reverse Polarity-SMA Plug Connector
- Tunable Frequency

### Applications

- Offroad/Overland Vehicles
- Mining/Industrial
- Heavy Equipment
- Commercial Trucking
- Fleet Management
- Farm Equipment

### Description

The PEANMOB1005-RSP from Pasternack is an omnidirectional antenna with a 2.5 dBi gain that transmits high-power signals and faster speed. This in-building antenna comes with a magnetic NMO mount specifically designed for high-performance applications. Our high-quality omni antenna is available in black color and can be procured with no order limit. This vertically polarized antenna has a frequency range of 136 to 174 MHz, which is ideal for indoor low-profile, in-building, and mobile applications.

The NMO-type magnetic mount on Pasternack's PEANMOB1005-RSP omnidirectional antenna makes it an ideal solution when the portability of the antenna is needed. This NMO antenna mount is constructed with a heavy-duty magnet to ensure secure mounting. The magnetic base allows a temporary plug-and-play installation. No drilling is required for the installation of this antenna mount, making it easy to fine-tune the antenna location. This magnetic mount has a reverse polarity SMA plug connector and can be used for WLAN, Wi-Fi, public safety, and mobile RF applications.

Pasternack has one of the largest in-stock selections of omnidirectional in-building antennas with the same-day shipment. Make your online purchase right now to take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal vertically polarized antenna with a magnetic NMO mount for your requirements.

### Configuration

Design	Omni
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	SMA Reverse Polarity
Number of Ports	1

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range (Tunable)	136		174	MHz
Operational Bandwidth		5		MHz
Input VSWR			1.5:1	
Gain		2.5		dBi
Input Power			50	Watts

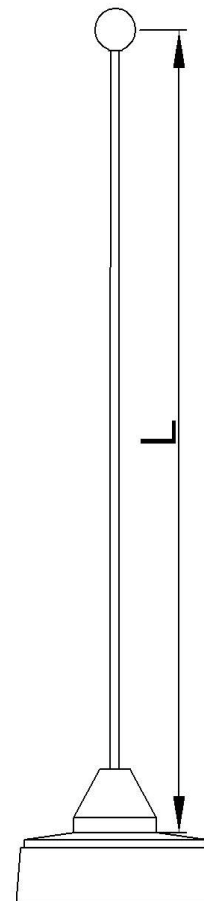
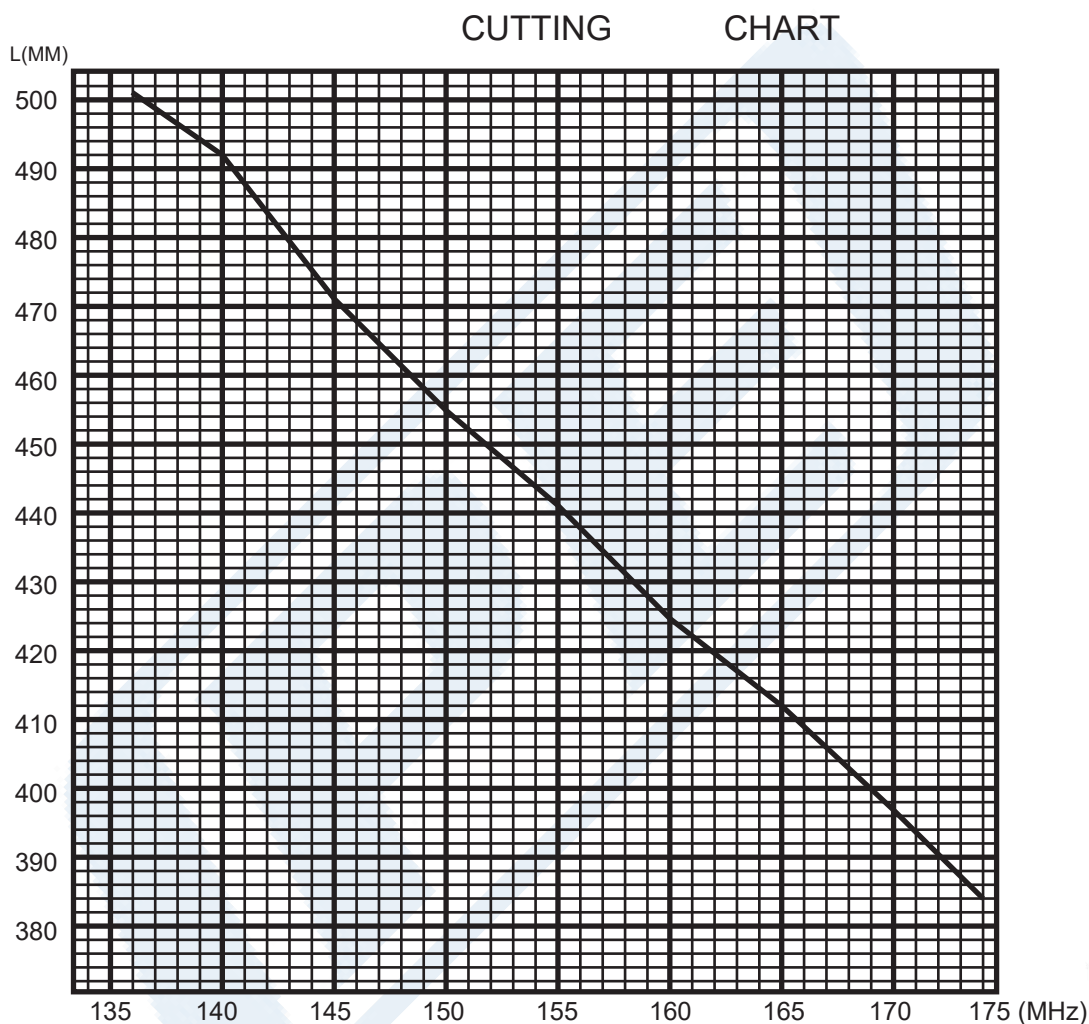
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [136-174 MHz, 2.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, Reverse Polarity-SMA Plug Connector PEANMOB1005-RSP](#)

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**PEANMOB1005-RSP**



### Mechanical Specifications

Radome Material

Stainless Steel

#### Size

Overall Length

22.85 in [580.39 mm]

Width

3 in [76.2 mm]

Height

3 in [76.2 mm]

Weight

1.13 lbs [512.56 g]

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

### Plotted and Other Data

Notes:

1: Loosen Screw, Sperate Whip and Base.

- 2: Find whip length of correct frequency according to cutting chart.
- 3: Measure the length of the steel whip and cut it from top side
- 4: Re-fix the steel whip and the base with screws.

136-174 MHz, 2.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, Reverse Polarity-SMA Plug Connector 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.

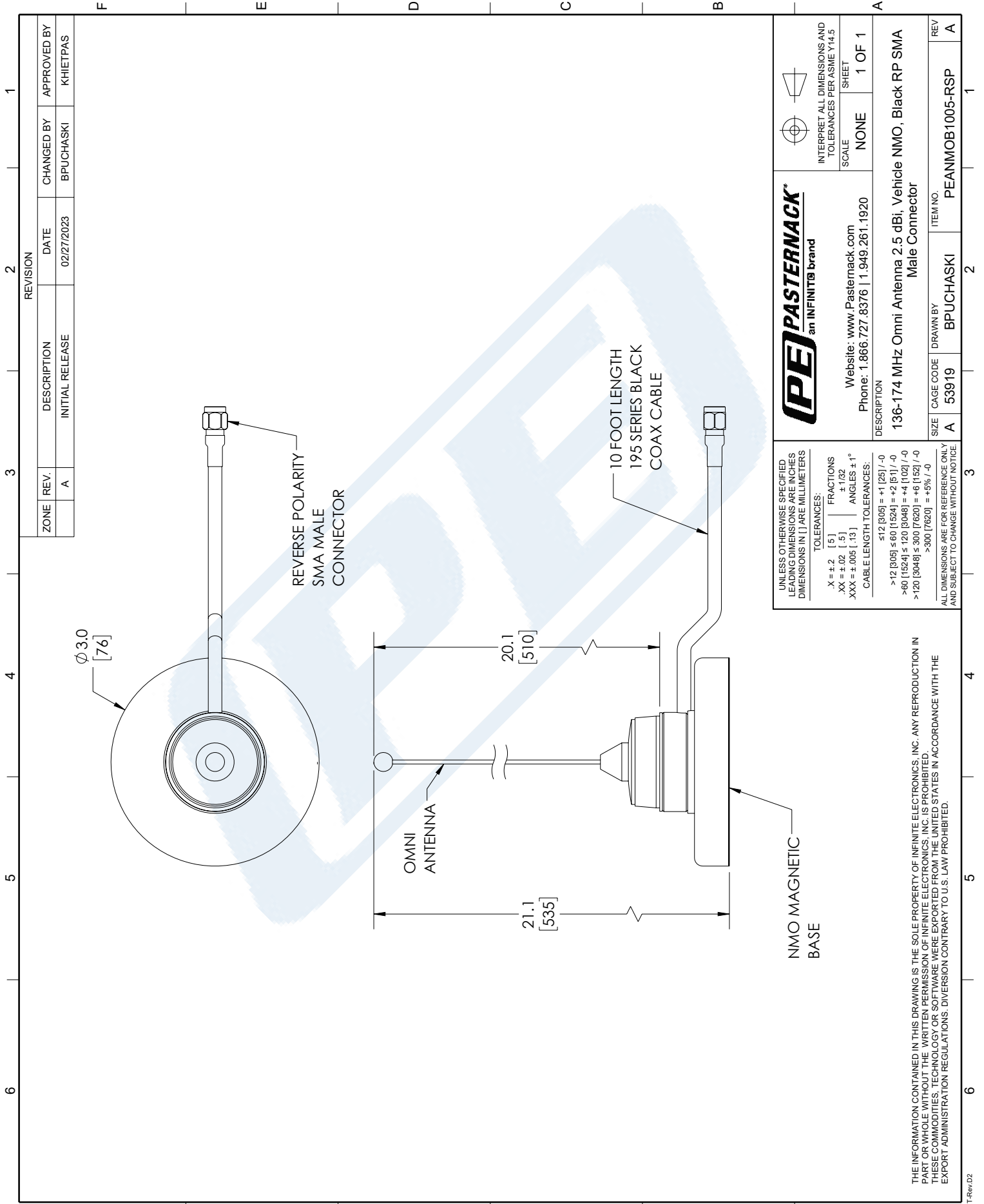
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URL: <https://www.pasternack.com/136-174-mhz-2.5-dbi-gain-omni-directional-antenna-with-magnetic-nmo-mount-reverse-polarity-sma-plug-connector-peanmob1005-rsp-p.aspx>

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# PEANMOB1005-RSP CAD Drawing

136-174 MHz, 2.5 dBi Gain, Omni-directional Antenna with Magnetic  
NMO Mount, Reverse Polarity-SMA Plug Connector



<b>PE PASTERNAK</b> an INFINITO brand		
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 136-174 MHz Omni Antenna 2.5 dBi, Vehicle NMO, Black RP SMA Male Connector		
SIZE: A CAGE CODE: 53919 DRAWN BY: BPUCHASKI ITEM NO.: PEANMOB1005-RSP		REV: A

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

TOLERANCES:

X = ±.2	[.5]	FRACTIONS
.XX = ±.02	[.13]	± 1/32
XXX = ±.005	[.13]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤ 12 [305]	± .1 [25]	/ -0
> 12 [305]	± .1 [25]	/ -0
> 60 [1524]	± .1 [25]	/ -0
> 120 [3048]	± .1 [25]	/ -0
> 300 [7620]	± .1 [25]	/ -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY  
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