

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



Antennas Technical Data Sheet

PEANMOB1005-RTP

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-TNC Plug Connector
- Tunable Frequency

Applications

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

Description

The PEANMOB1005-RTP 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-RTP 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 TNC 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	TNC 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

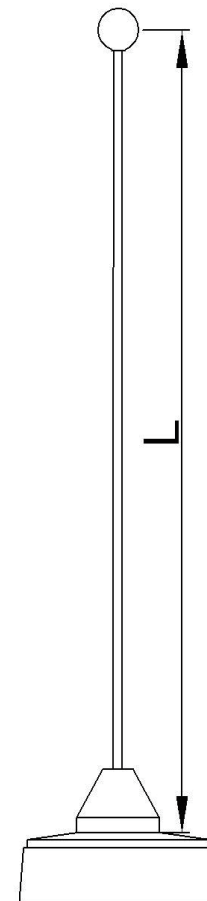
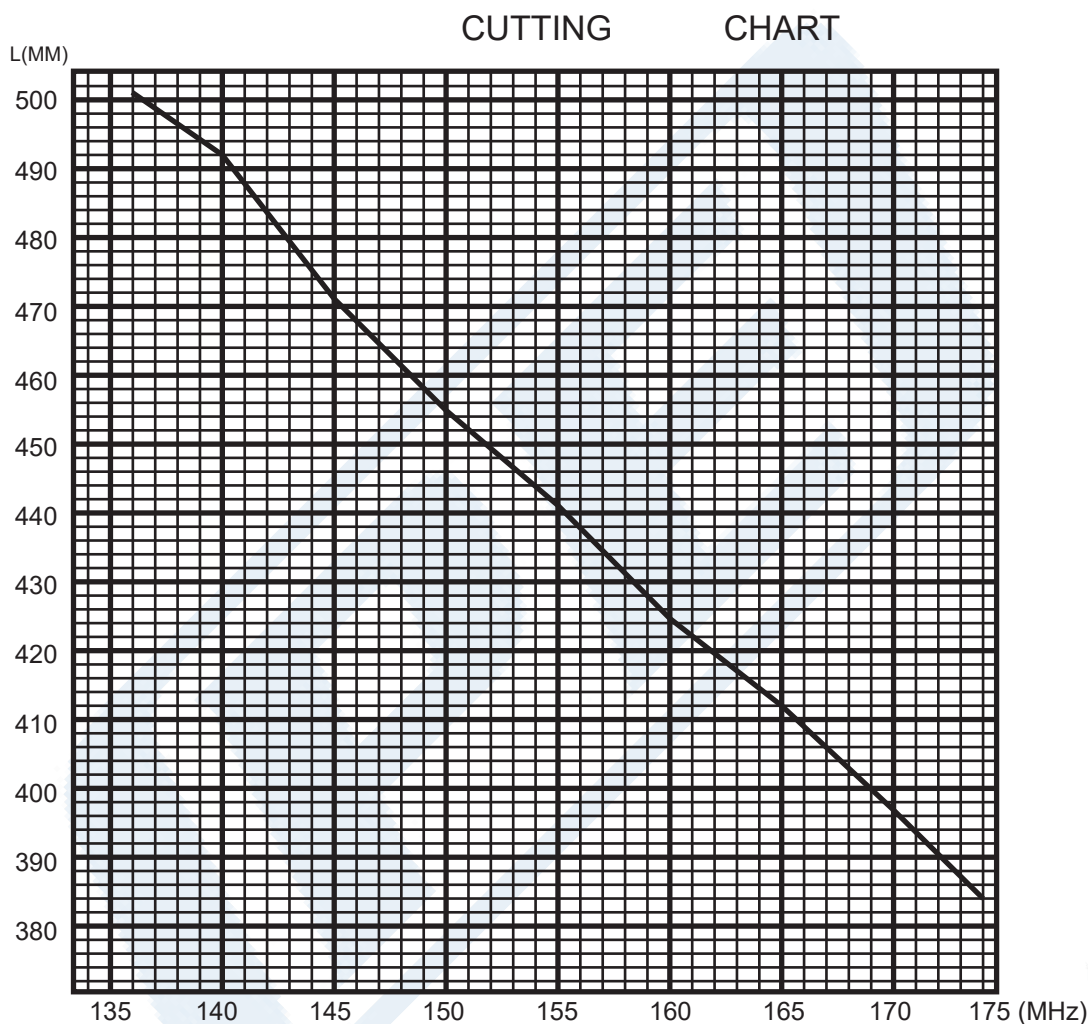
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [136-174 MHz, 2.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, Reverse Polarity-TNC Plug Connector PEANMOB1005-RTP](#)

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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-TNC 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-tnc-plug-connector-peanmob1005-rtp-p.aspx>

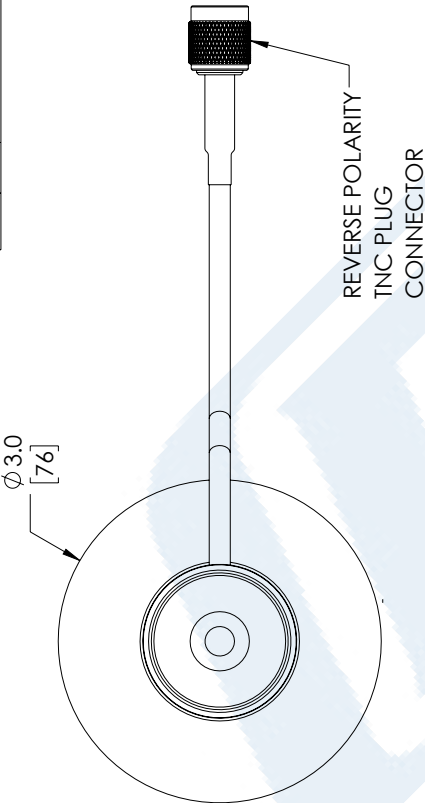
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

PEANMOB1005-RTP CAD Drawing

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

1 2 3 4 5 6

REVISION			
ZONE	REV.	DESCRIPTION	DATE
	A	INITIAL RELEASE	02/27/2023
		CHANGED BY	BPUCHASKI
		APPROVED BY	KHIETPAS



REVERSE POLARITY
TNC PLUG
CONNECTOR

OMNI
ANTENNA

20.1 [510]

21.1 [535]

10 FOOT LENGTH
195 SERIES BLACK
COAX CABLE

NMO MAGNETIC
BASE

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	
X = ±.2 [5]	FRACTIONS ± 1/32
.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	



Website: www.Pasternack.com
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 TNC Plug Connector	
SIZE	A
CAGE CODE	53919
DRAWN BY	BPUCHASKI
ITEM NO.	PEANMOB1005-RTP
REV	A

T-Rev.02

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