

144-430 MHz, 5.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, N-Female Connector



Antennas Technical Data Sheet

PEANMOB1007-NF

Features

- Outdoor Rated Omni Directional Antenna
- 5.5 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
- N-Female Connector

Applications

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

Description

The PEANMOB1007-NF from Pasternack is an omnidirectional antenna with a 5.5 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 144 to 430 MHz, which is ideal for indoor low-profile, in-building, and mobile applications.

The NMO-type magnetic mount on Pasternack's PEANMOB1007-NF 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 an N-type female 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	N Female
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	144		430	MHz
Input VSWR			1.5:1	
Gain		5.5		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: [144-430 MHz, 5.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, N-Female Connector PEANMOB1007-NF](#)

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with Magnetic NMO Mount, N-Female Connector



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Mechanical Specifications

Radome Material

Stainless Steel

Size

Overall Length

36.24 in [920.5 mm]

Width

3 in [76.2 mm]

Height

3 in [76.2 mm]

Weight

1.35 lbs [612.35 g]

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

Plotted and Other Data

Notes:

144-430 MHz, 5.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, N-Female 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.

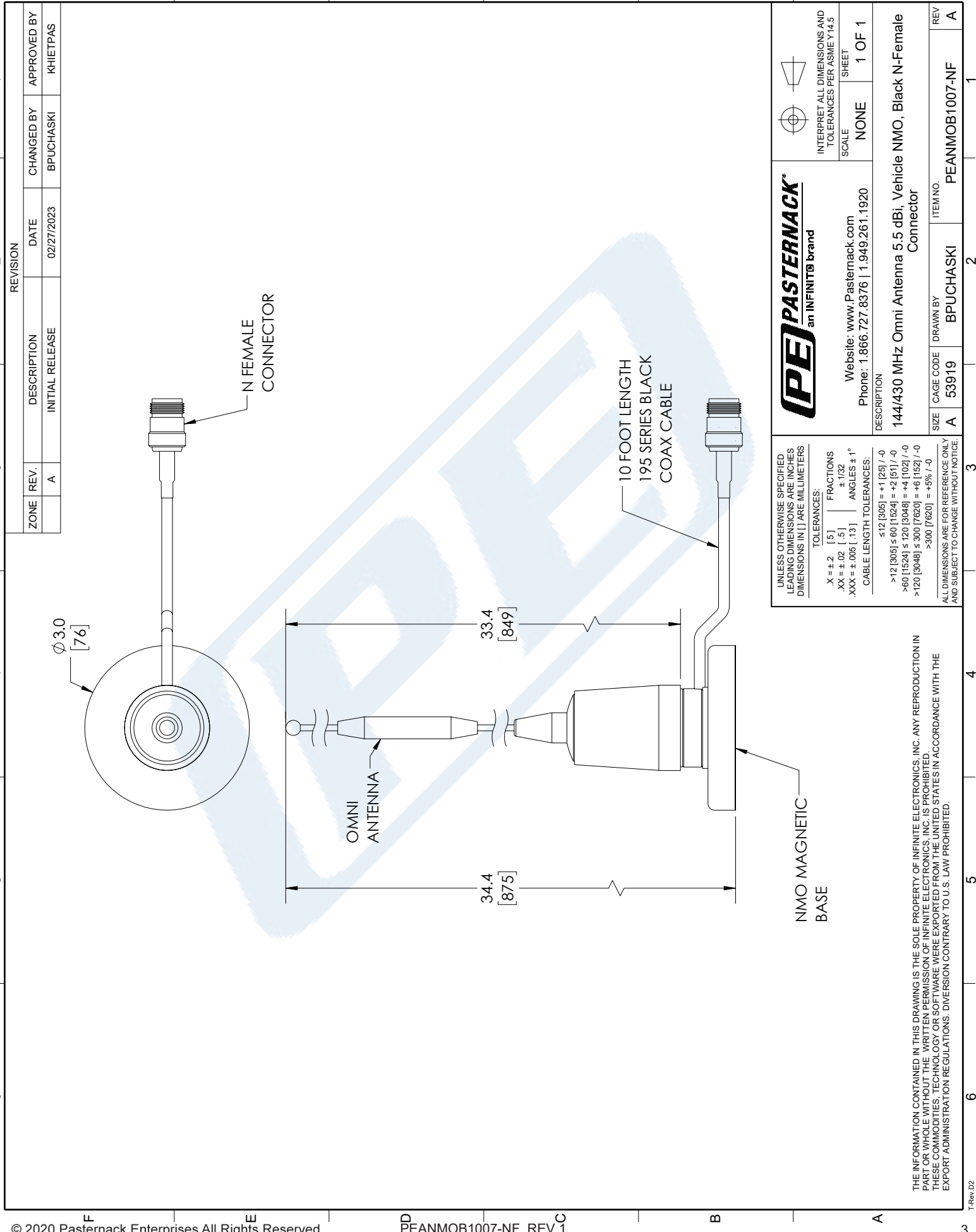
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URL: <https://www.pasternack.com/144-430-mhz-5.5-dbi-gain-omni-directional-antenna-with-magnetic-nmo-mount-n-female-connector-peanmob1007-nf-p.aspx>

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PEANMOB1007-NF CAD Drawing

144-430 MHz, 5.5 dBi Gain, Omni-directional Antenna with
Magnetic NMO Mount, N-Female Connector



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

PE PASTERNAK an INFINITI [®] brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE NONE SHEET 1 OF 1	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		DESCRIPTION 144/430 Mhz Omni Antenna 5.5 dBi, Vehicle NMO, Black N-Female Connector	
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	BPUCHASKI	PEANMOB1007-NF
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			

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