

# 136-940MHz, 2.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, Reverse Polarity-SMA Plug Connector



## Antennas Technical Data Sheet

**PEANMOB1004-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 PEANMOB1004-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 940 MHz, which is ideal for indoor low-profile, in-building, and mobile applications.

The NMO-type magnetic mount on Pasternack's PEANMOB1004-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		940	MHz
Operational Bandwidth		5		MHz
Input VSWR			1.5:1	
Gain		2.5		dBi
Input Power			50	Watts

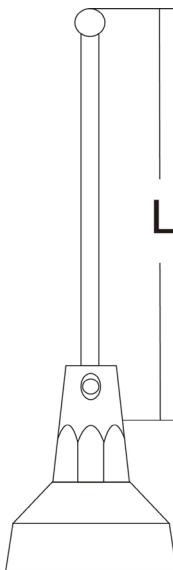
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [136-940MHz, 2.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, Reverse Polarity-SMA Plug Connector PEANMOB1004-RSP](#)

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Frequency(MHz)	136	138	142	146	150	154	158	162	166
Length(mm)	521	490	476	458	447	434	423	408	395
Frequency(MHz)	170	174	200	210	220	230	240	250	260
Length(mm)	390	383	334	315	297	285	269	259	247
Frequency(MHz)	270	280	290	300	310	320	330	340	350
Length(mm)	238	227	219	208	203	195	185	180	174
Frequency(MHz)	360	370	380	390	400	410	420	430	440
Length(mm)	170	165	160	156	150	148	145	139	136
Frequency(MHz)	450	460	470	480	490	500	510	520	540
Length(mm)	133	128	125	120	115	112	108	107	105
Frequency(MHz)	570	600	630	680	690	720	750	780	800
Length(mm)	101	98	92	89	87	82	77	74	71
Frequency(MHz)	810	820	830	840	850	860	870	880	890
Length(mm)	68	66	65	64	62	61	60	59	58
Frequency(MHz)	900	910	920	930	940				
Length(mm)	57	56	55	54	53				

### Mechanical Specifications

Radome Material

Stainless Steel

#### Size

Overall Length

20.49 in [520.45 mm]

Width

3 in [76.2 mm]

Height

3 in [76.2 mm]

Weight

1.24 lbs [562.45 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 bottom side without cap.
- 4: Re-fix the steel whip and the base with screws.

136-940MHz, 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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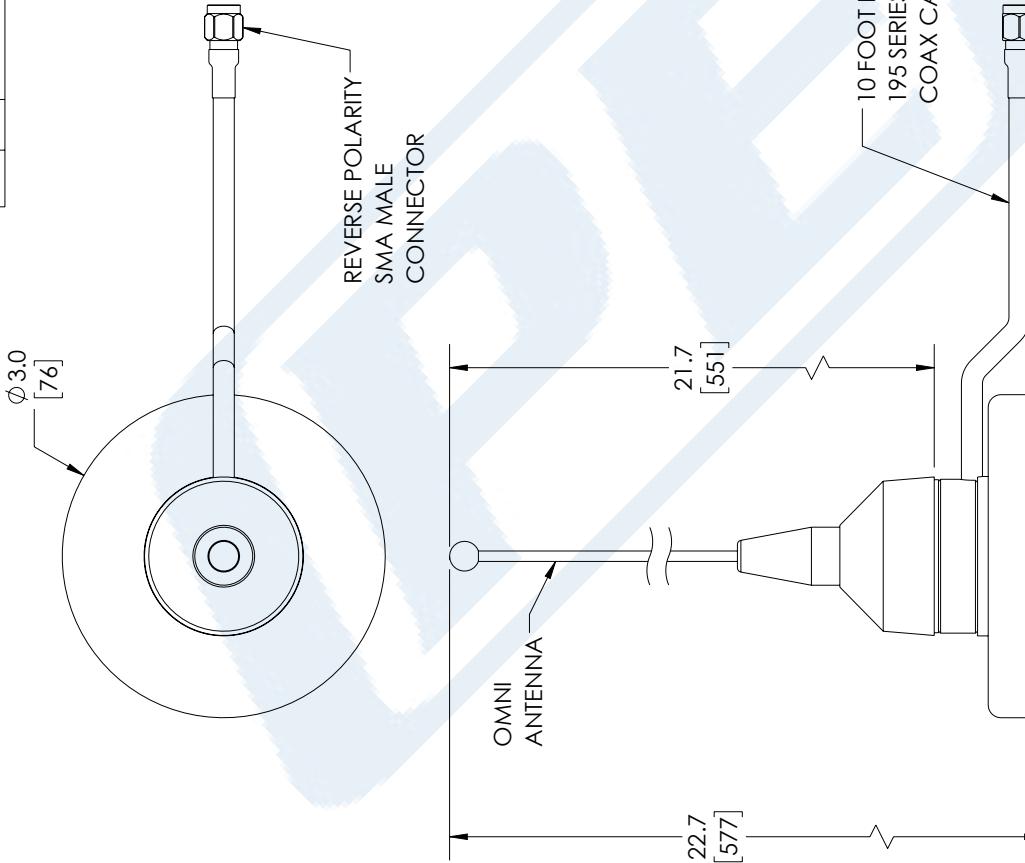
URL: <https://www.pasternack.com/136-940mhz-2.5-dbi-gain-omni-directional-antenna-with-magnetic-nmo-mount-reverse-polarity-sma-plug-connector-peanmob1004-rsp-p.aspx>

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# PEANMOB1004-RSP CAD Drawing

136-940MHz, 2.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, Reverse Polarity-SMA Plug Connector

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



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

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TOLERANCES: CABLE LENGTH TOLERANCES:  $\pm 12.5\%$

$X = \pm 2$	$[5]$	FRACTIONS
$.XX = \pm 02$	$[.5]$	$\pm 1/32$
$.XXX = \pm 005$	$[13]$	ANGLES $\pm 1^\circ$

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136-940 MHz Omni Antenna 2.5 dBi, Vehicle NMO, Black RP SMA Male Connector				
ITEM NO.	REV			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	BPUCHASKI	PEANMOB1004-RSP	A
>120 [3024] <60 [1524] = +2 [-15] >120 [3024] <120 [3048] = +4 [-120] -0 >120 [3048] <300 [7620] = -6 [1532] -0 >300 [7620] = +5% -0				
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.				

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