

136-174 MHz, 3.5 dBi Gain, Omni-directional Antenna  
with Magnetic NMO Mount, SMA-Male Connector



## Antennas Technical Data Sheet

**PEANMOB1008-SM**

### 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
- SMA-Male Connector
- Tunable Frequency

### Applications

- Offroad/Overland Vehicles
- Mining/Industrial
- Heavy Equipment

- Commercial Trucking
- Fleet Management
- Farm Equipment

### Description

The PEANMOB1008-SM from Pasternack is an omnidirectional antenna with a 3.5 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 PEANMOB1008-SM 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 SMA male 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
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		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: [136-174 MHz, 3.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, SMA-Male Connector PEANMOB1008-SM](#)

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### CUTTING CHART

Frequency (MHz)	136	138	140	142	144
L (mm)	1250	1191	1169	1147	1121

Frequency (MHz)	146	148	150	152	154
L (mm)	1099	1074	1041	1019	997

Frequency (MHz)	156	158	160	162	164
L (mm)	975	956	937	915	905

Frequency (MHz)	166	168	170	172	174
L (mm)	886	873	848	829	823

#### Mechanical Specifications

Radome Material

Stainless Steel

#### Size

Overall Length

54.74 in [139.04 cm]

Width

3 in [76.2 mm]

Height

3 in [76.2 mm]

Weight

1.46 lbs [662.24 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.

136-174 MHz, 3.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, SMA-Male 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.

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, 3.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, SMA-Male Connector PEANMOB1008-SM](#)

URL: <https://www.pasternack.com/136-174-mhz-3.5-dbi-gain-omni-directional-antenna-with-magnetic-nmo-mount-sma-male-connector-peanmob1008-sm-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.

PEANMOB1008-SM CAP Drawing

136-174 MHz, 3.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, SMA-Male Connector

