

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



## LCANMOB1008-RSP

### 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
- Reverse Polarity-SMA Plug Connector
- Tunable Frequency

### Applications

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

### Description

The L-com LCANMOB1008-RSP is an omnidirectional antenna with a magnetic NMO mount specifically designed for high-performance applications. This vertically polarized omni antenna with NMO mount is available in black color. Our high-quality antenna can operate at frequencies ranging from 136 to 174 MHz, which is ideal for indoor low-profile, in-building, and mobile applications. This non-infrastructure antenna has a 3.5 dBi gain, which transmits high-power signals and faster speed. This vertically polarized omni antenna with NMO mount is available in white color.

The LCANMOB1008-RSP in-building antenna from L-com features an NMO-type magnetic mount, which is ideal when the portability of the antenna is required. This NMO antenna mount is constructed with a heavy-duty magnet to ensure secure mounting. No drilling is required for the installation of this antenna mount, making it easy to fine-tune the antenna location. The magnetic base is easy to install and offers a temporary plug-and-play installation. Our magnetic mount comes with a reverse polarity SMA plug connector and can be used for WLAN, Wi-Fi, public safety, and mobile RF applications.

L-com has one of the largest in-stock selection of omnidirectional antennas with same-day shipment. Use our on-line ordering system to purchase your LCANMOB1008-RSP antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities). 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

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, Reverse Polarity-SMA Plug Connector LCANMOB1008-RSP](#)

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Input VSWR		1.5:1	
Gain	5.5		dBi
Input Power		50	Watts

# 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
<b>Size</b>	
Length	54.74 in [139.04 cm]
Width	3 in [76.2 mm]

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## LCANMOB1008-RSP



Height	3 in [76.2 mm]
Weight	1.46 lbs [662.24 g]

### Environmental Specifications

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

### Plotted and Other Data

Notes:

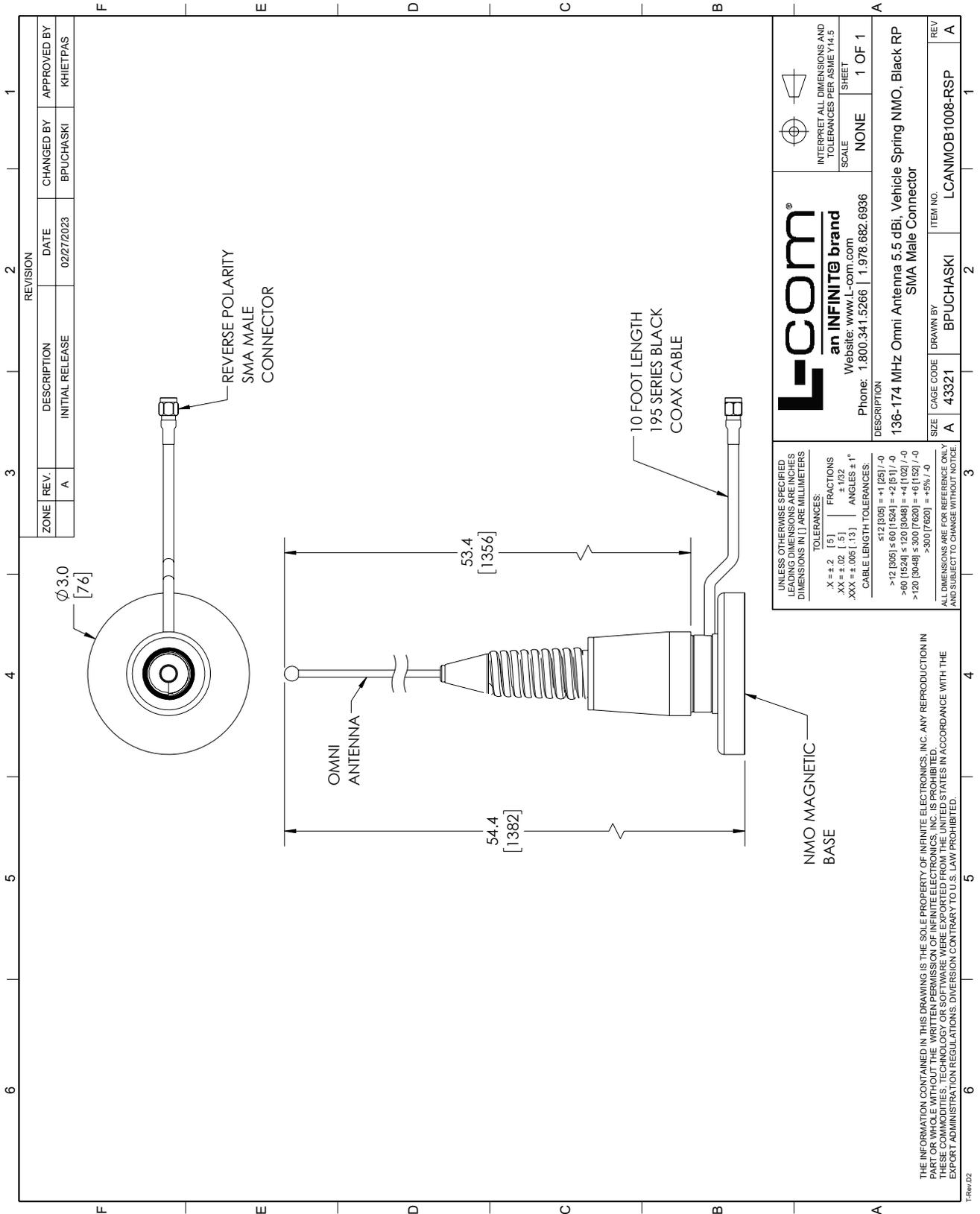
- 1: Loosen Screw, Sperate Whip and Base.
- 2: Find whip length of correct frequency according to cutting chart.
- 3: Measure the length of the steel whip and cut it from bottom side without cap.
- 4: Re-fix the steel whip and the base with screws.

136-174 MHz, 3.5 dBi Gain, Omni-directional Antenna with Magnetic NMO Mount, Reverse Polarity-SMA Plug Connector from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within 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 impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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L-com CAD Drawing



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

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5  
SCALE: NONE  
SHEET: 1 OF 1

DESCRIPTION:  
136-174 MHz Omni Antenna 5.5 dBi, Vehicle Spring NMO, Black RP SMA Male Connector

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	43321	BPUCHASKI	LCANMOB1008-RSP

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

TOLERANCES:  
 .X = ±.2 [5]  
 .XX = ±.02 [5]  
 .XXX = ±.005 [13]  
 FRACTIONS ± 1/32  
 ANGLES ± 1°  
 CABLE LENGTH TOLERANCES:  
 <math>\pm 12 (305) = \pm 1 (25) / -0</math>  
 <math>\pm 12 (305) \le 60 (1524) = \pm 2 (51) / -0</math>  
 <math>\pm 60 (1524) \le 120 (3048) = \pm 4 (102) / -0</math>  
 <math>\pm 120 (3048) \le 300 (7620) = \pm 6 (152) / -0</math>  
 <math>\pm 300 (7620) = \pm 5% / -0</math>

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

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