

136 to 174 MHz Omni Antenna 5.5 dBi Gain,
Spring NMO Connector, Stainless Steel



Antennas Technical Data Sheet

PEANOM1086

Features

- Vertically Polarized
- 5.5 dBi Gain
- NMO Connector
- Stainless Steel
- 1.5:1 VSWR Max
- 50 Watt Max Input Power
- Tunable Frequency

Applications

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

Description

Pasternack's PEANOM1086 is a vertical polarized antenna that ships same day from our ISO 9001:2015 certified facility. The antenna with 136 to 174 MHz frequency range has a maximum input VSWR of 1.5. This omni directional antenna has NMO male connectors.

This antenna is made of stainless steel, an overall length of 53.54 in, width of 2 in, and weighs 0.66 lbs. Pasternack's PEANOM1086 is a single band antenna operating from 136 to 174 MHz with 5.5 dBi gain.

Pasternack's experts are on hand to assist you with any inquiries. Order this PEANOM1086 antenna 7 days a week. 24 hours a day using our on-line ordering system with no MOQs (minimum order quantity) and same-day shipping.

Configuration

Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	NMO

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range (Tunable)	136		174	MHz
Operational Bandwidth		5		MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
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 to 174 MHz Omni Antenna 5.5 dBi Gain, Spring NMO Connector, Stainless Steel PEANOM1086](#)

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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

53.54 in [135.99 cm]

Width

2 in [50.8 mm]

Height

2 in [50.8 mm]

Weight

0.66 lbs [299.37 g]

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

Notes:

1: Loosen Screw, Separate 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 to 174 MHz Omni Antenna 5.5 dBi Gain, Spring NMO Connector, Stainless Steel 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.

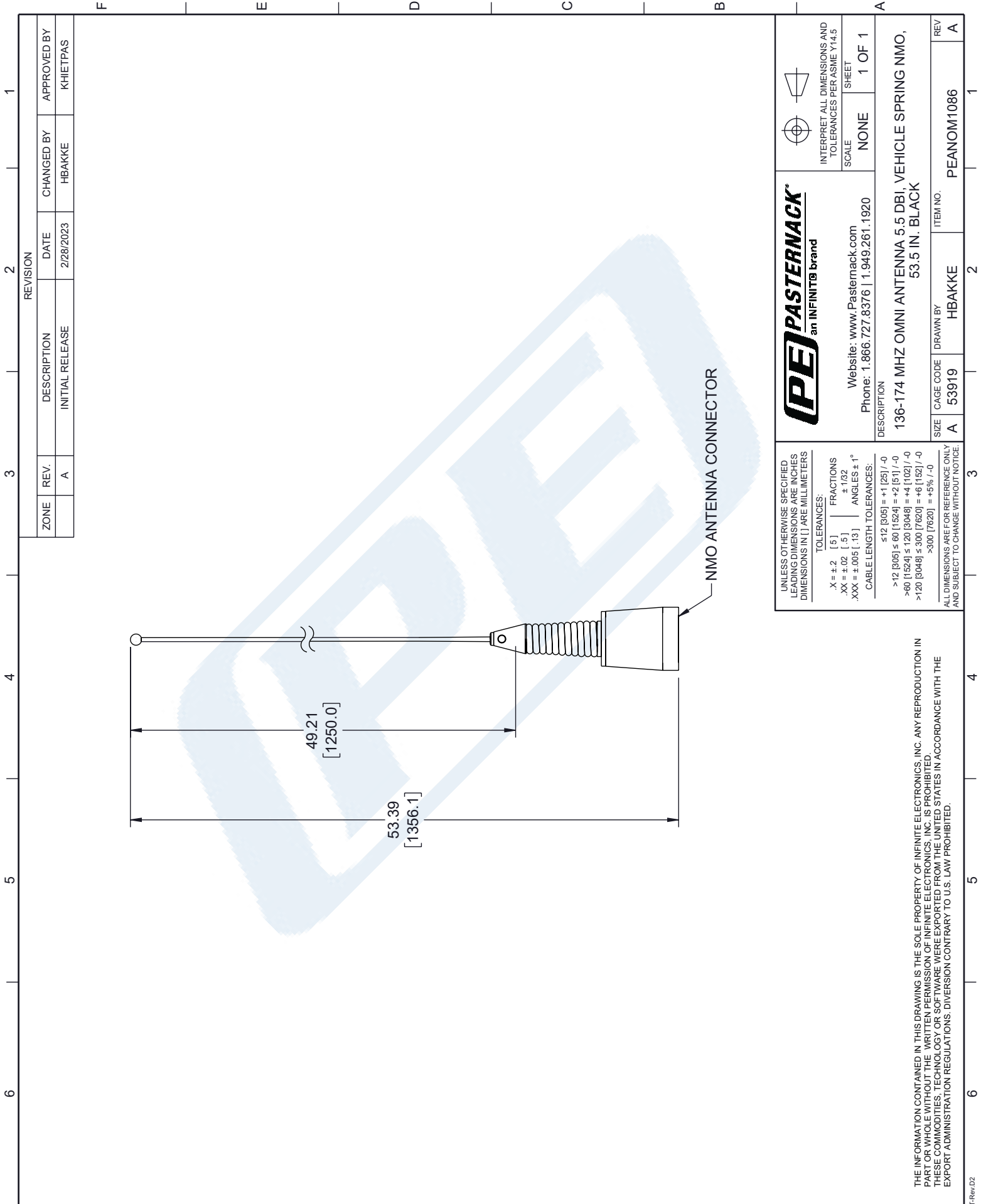
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URL: <https://www.pasternack.com/136-to-174-mhz-omni-antenna-5.5-dbi-gain-spring-nmo-connector-stainless-steel-reflector-peanom1086-p.aspx>

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.

PEANOM1086 CAD Drawing

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ZONE		REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
		A	INITIAL RELEASE	2/28/2023	HBAKKE	KHIETPAS

<p>Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920</p>	<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p>
	<p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
<p>DESCRIPTION</p> <p>136-174 MHZ OMNI ANTENNA 5.5 DBI VEHICLE SPRING NMO, 53.5 IN. BLACK</p>	
<p>SIZE: A</p> <p>CAGE CODE: 53919</p> <p>DRAWN BY: HBAKKE</p> <p>ITEM NO.: PEANOM1086</p>	<p>REV: A</p>

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

TOLERANCES:

X = ±.2 [5] | FRACTIONS ±.1032 | ANGLES ± 1°

.XX = ±.02 [.5] | .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.

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