

144, 430 MHz Omni Antenna 5.5 dBi Gain, NMO Connector, Stainless Steel Reflector



Antennas Technical Data Sheet

PEANOM1085

Features

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

Applications

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

Description

Pasternack's PEANOM1085 is a vertical polarized antenna that ships same day from our ISO 9001:2015 certified facility. The antenna with 144 to 430 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 35.04 in, width of 2 in, and weighs 0.55 lbs. Pasternack's PEANOM1085 is a dual band antenna operating from 144 to 430 MHz with 5.5 dBi gain.

Pasternack's experts are on hand to assist you with any inquiries. Order this PEANOM1085 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	Dual
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	NMO

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	143		432	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		5.5		dBi
Input Power			50	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.143 to 0.145	0.428 to 0.432				GHz
Gain	5.5	5.5				dBi
VSWR Max	2:1	2:1				
Maximum Input Power	100	100				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 Omni Antenna 5.5 dBi Gain, NMO Connector, Stainless Steel Reflector PEANOM1085](#)

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Mechanical Specifications

Radome Material	Stainless Steel
Size	
Overall Length	35.04 in [890.02 mm]
Width	2 in [50.8 mm]
Height	2 in [50.8 mm]
Weight	0.55 lbs [249.48 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +80 deg C

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

Plotted and Other Data

Notes:

144, 430 MHz Omni Antenna 5.5 dBi Gain, NMO Connector, Stainless Steel Reflector 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-omni-antenna-5.5-dbi-gain-nmo-connector-stainless-steel-reflector-peanom1085-p.aspx>

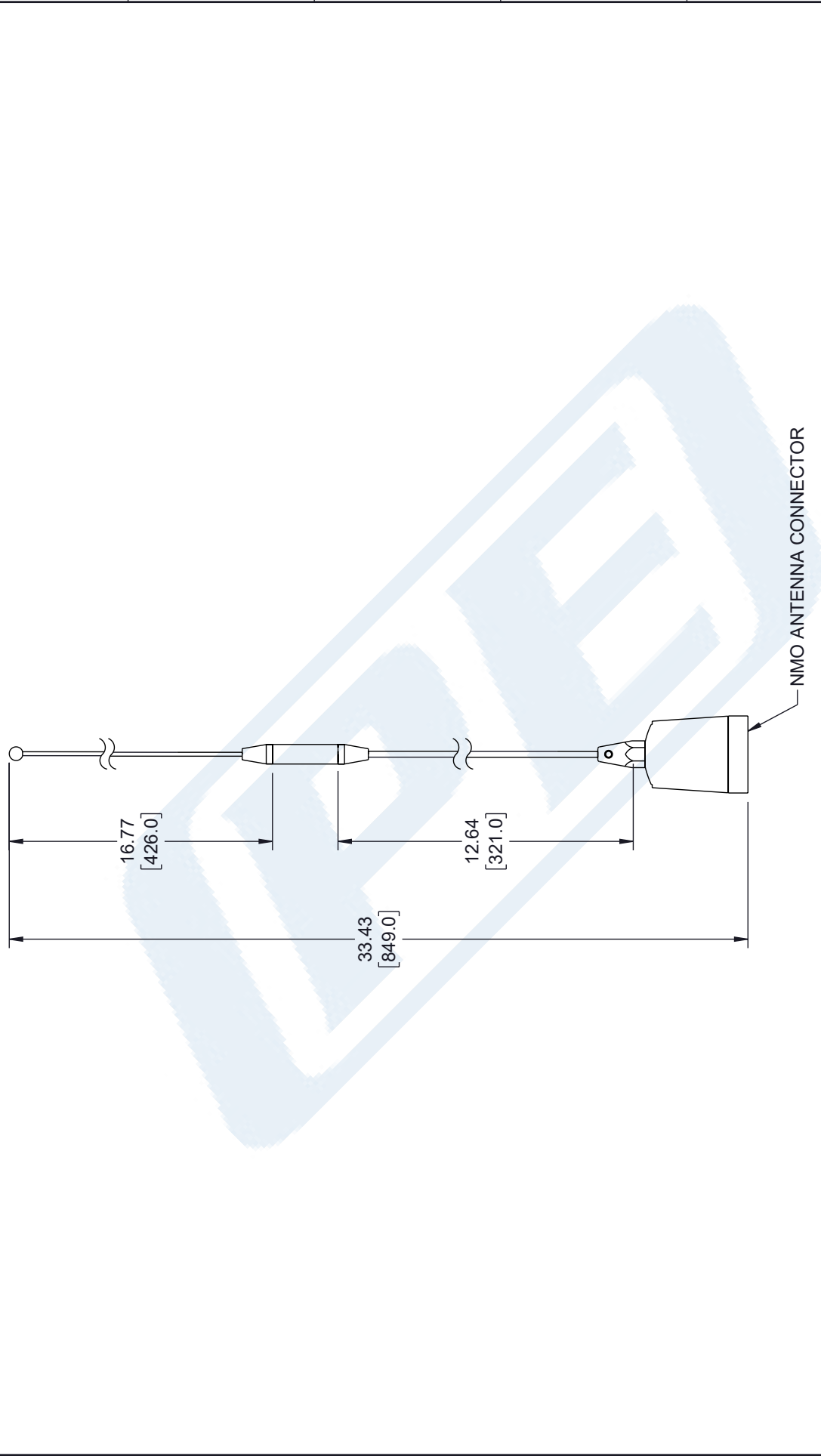
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

PEANOM1085 CAD Drawing

144, 430 MHz Omni Antenna 5.5 dBi Gain, NMO Connector, Stainless Steel Reflector

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

REVISION	
1	
2	
3	
4	
5	
6	



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

TOLERANCES:
 .X = ±.2 [.5] FRACTIONS ± 1/32
 .XX = ±.02 [.5] ANGLES ± 1°
 .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

PE PASTERNAK®
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Website: www.Pasternack.com
 Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION
 144/430 MHZ OMNI ANTENNA 5.5 DBI, VEHICLE NMO, 35 IN. BLACK

SCALE NONE SHEET 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	HBAKKE	PEANOM1085	A

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