



C-band Omni Antenna 4.4 GHz to 5 GHz,
N Type Male, IP65 Rated

Antennas Technical Data Sheet

PEANOM1141

Features

- C-band 4400 MHz to 5000 MHz
- N-type Male RF Connector
- Stable 3.5 dBi gain typical
- Ground plane independent
- Precision Construction
- IP65 Rated

Applications

- C-band
- Military Communication
- Unmanned Operations
- Manpack Radio Systems
- Secure Communications
- Defense and Strategic Installations
- Surveillance Systems

Description

The PEANOM1141 is an C-band Omnidirectional Antenna, proudly presented by Pasternack cutting-edge solution for military antennas and unmanned vehicle applications. Operating in the frequency range of 4.4 GHz to 5 GHz, this antenna ensures superior communication performance. Constructed with precision using top-tier materials, the PEANOM1141 features a robust N-male connector, providing unparalleled connectivity. Its stable 3.5 dBi gain makes it a reliable choice for mission-critical operations.

The PEANOM1141 utilizes a collinear dipole array radiator with an integrated balun, ensuring ground plane independence and suitability for any mounting platform, such as manpacks and mobile electronic devices. Designed and intended for use in extreme operational conditions, this antenna from Pasternack sets the standard for excellence in military communication and unmanned vehicle applications. The 4.4 GHz to 5 GHz frequency band is strategically chosen, aligning with crucial military and government communication requirements. Additionally, C-band antennas, known for their versatility, find wide application in military and avionics systems, including radar, navigation, and data link systems.

Configuration

Design	Portable
Application Band	C-band
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Ground Plane	Groundplane independent
Connector Type	N Male
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	4,400		5,000	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain	4		5	dBi
Input Power			10	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [C-band Omni Antenna 4.4 GHz to 5 GHz, N Type Male, IP65 Rated PEANOM1141](#)



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Mechanical Specifications

Size

Overall Length	7 in [177.8 mm]
Width	1 in [25.4 mm]
Height	1 in [25.4 mm]
Weight	0.5 lbs [226.8 g]

Environmental Specifications

Temperature

Operating Range	-31 to +51 deg C
Storage Range	-31 to +71 deg C

Environment

Wind Loading	MIL-STD-820F 62.14 MPH [100 KPH]
Shock	20 G / 10 mS X, Y, Z axes
Vibration	MIL-STD-167-1 type 1

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

Plotted and Other Data

Notes:

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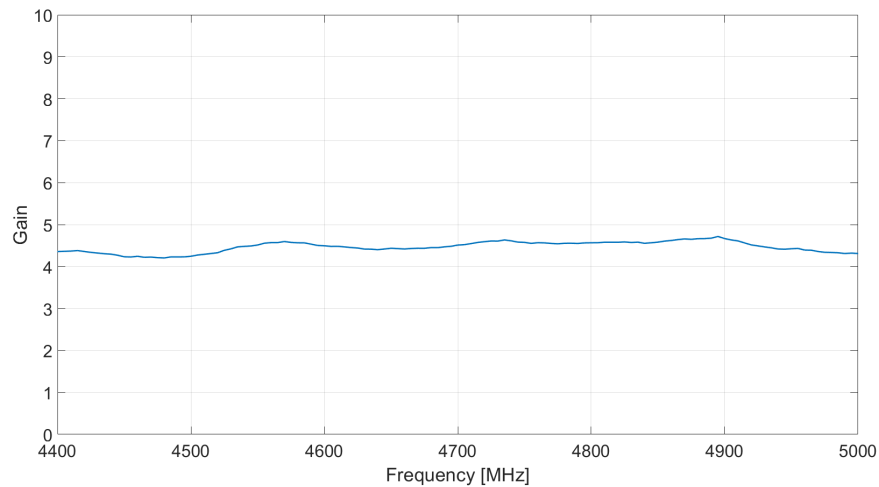


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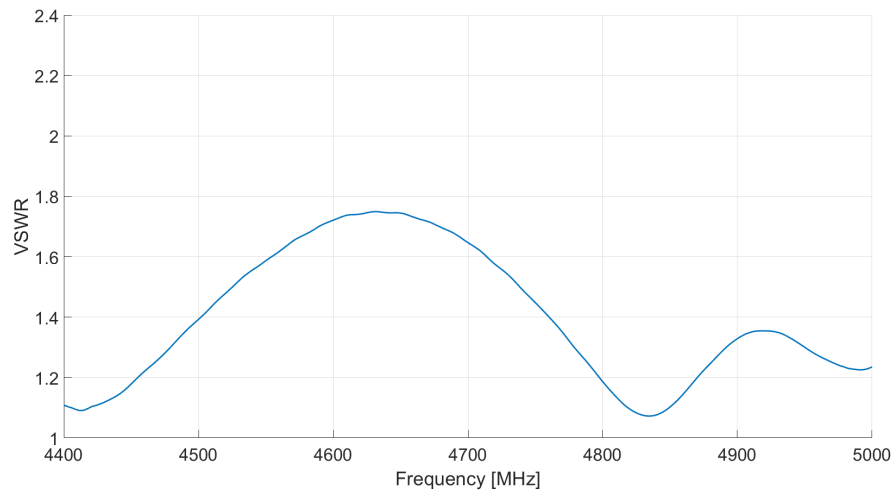
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Gain



VSWR



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C-band Omni Antenna 4.4 GHz to 5 GHz, N Type Male, IP65 Rated 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.

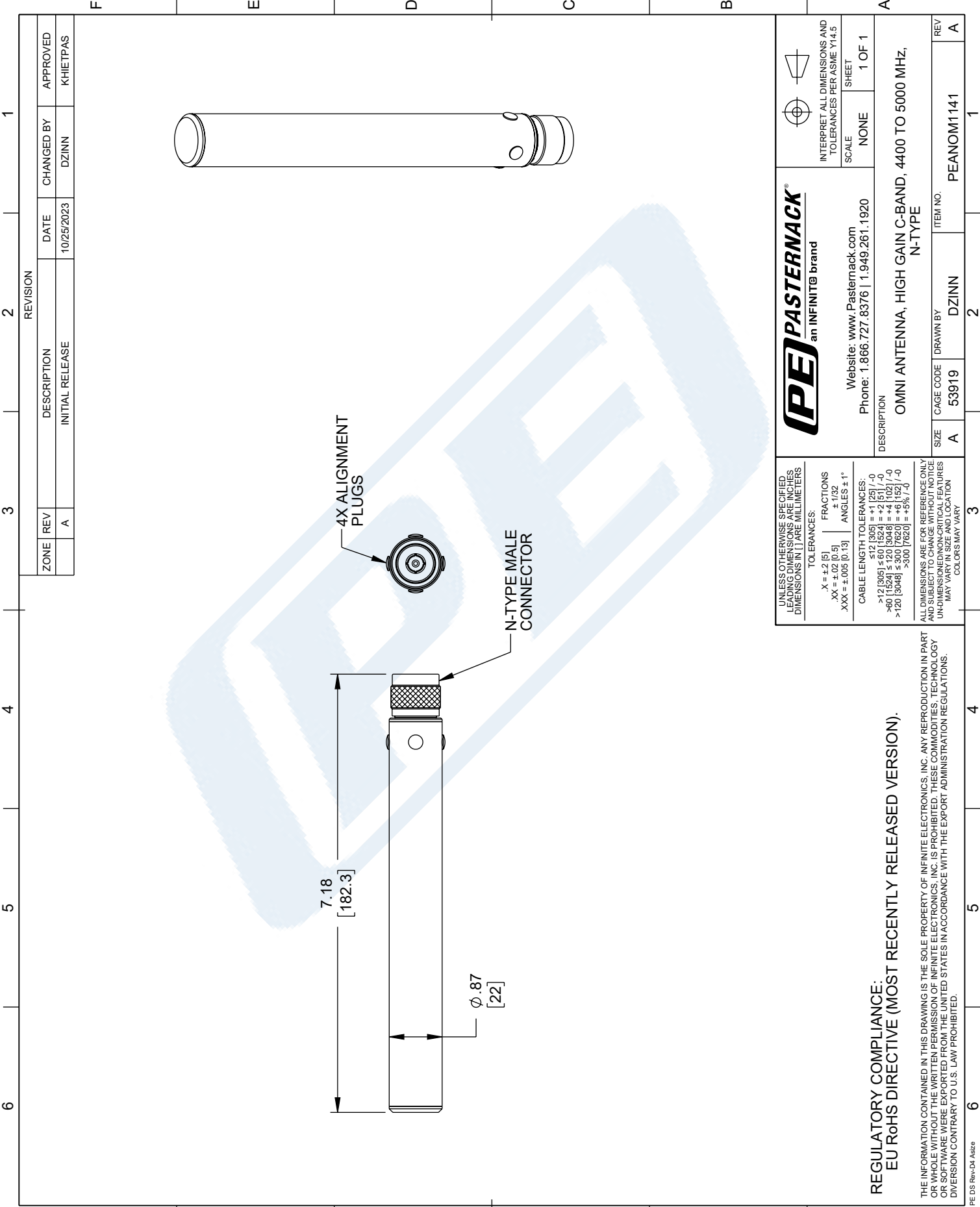
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PEANOM1141 CAD Drawing

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TOLERANCES:			Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE NONE	
X = ±.2 [5] XX = ±.02 [0.5] XXX = ±.005 [0.13]			FRACTIONS ± 1/32 ANGLES ± 1°		SHEET 1 OF 1	
CABLE LENGTH TOLERANCES:			DESCRIPTION OMNI ANTENNA, HIGH GAIN C-BAND, 4400 TO 5000 MHZ, N-TYPE			
≤12 [305] ≤.60 [1524] = +.2 [-.1] / -0						
>12 [305] ≤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. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.						
SIZE A			CAGE CODE 53919		DRAWN BY DZINN	
			ITEM NO.		PEANOM1141	
					REV A	

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EU RoHS DIRECTIVE (MOST RECENTLY RELEASED VERSION).

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