

144, 430 MHz Omni Antenna 4.5 dBi Gain,  
NMO Connector, Black ABS Radome



## PEANOM1081

### Features

- Vertically Polarized
- 4.5 dBi Gain
- NMO Connector
- Black ABS Radome
- 1.5:1 VSWR Max
- 30 Watt Max Input Power

### Applications

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

### Description

Pasternack's PEANOM1081 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 has a black radome made of ABS, an overall length of 3.54 in, width of 1.42 in, and weighs 1 lbs. Pasternack's PEANOM1081 is a dual band antenna operating from 144 to 430 MHz with 4.5 dBi gain.

Pasternack's experts are on hand to assist you with any inquiries. Order this PEANOM1081 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
Impedance	50			Ohms
Gain	4.5			dBi
Input Power			30	Watts

### Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency	0.143 to 0.145	0.428 to 0.432				GHz
Gain	4.5	4.5				dBi
VSWR Max	2:01	2:01				

### Mechanical Specifications

Size	
Length	3.54 in [89.92 mm]
Width	1.42 in [36.07 mm]

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Height	1.42 in [36.07 mm]
Weight	1 lbs [453.59 g]

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +80 deg C

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

### Plotted and Other Data

Notes:

### Typical Radiation Pattern

### Appendix

**Electrical Downtilt:** Angle in the antenna's elevation pattern in which the maximum gain occurs.

**Gain:** Antenna's average gain.

**Front to Back Ratio @ 180°±30°:** Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over  $\pm 30^\circ$  angles.

**Cross-polarization Ratio (dB):** Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

Dedicated to serving the needs of the Wireless Internet Service Provider (WISP) market, KP Performance Antennas offers purpose built products that reliably perform in the field. KP Performance Antennas product line consists of Yagi, Grid, Omni, Dish and other style antennas that operate in the 900 MHz, 2.4 GHz, 3 GHz, and 5 GHz frequencies.

144, 430 MHz Omni Antenna 4.5 dBi Gain, NMO Connector, Black ABS Radome 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: [144, 430 MHz Omni Antenna 4.5 dBi Gain, NMO Connector, Black ABS Radome PEANOM1081](#)

URL: <https://www.pasternack.com/144-430-mhz-omni-antenna-4.5-dbi-gain-nmo-connector-black-abs-radome-peanom1081.html>

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# PEANOM1081 CAD Drawing

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