2450 MHz, Gooseneck Antenna, SMA Male Connector

PEANOM1149

Features

- 2450 MHz Operating Frequency
- Flexible Gooseneck
- SMA Male Connector
- 1.5:1 VSWR
- 10 Watt Max Input Power
- Typical 3 dBi Gain

Applications

- Unmanned Vehicles
- Manpack Radio Systems
- Secure Communications
- Surveillance Systems
- Mobile Systems

Description

The PEANOM1149 from Pasternack is an omnidirectional gooseneck antenna that features a flexible gooseneck mounting base. This flexible antenna can be bent and repositioned at any angle, allowing users to optimize signal reception and transmission in any environment. Our single-band gooseneck antenna with vertical polarization can operate at a minimum frequency of 2400 MHz, a center frequency of 2450 MHz, and a maximum frequency of 2500 MHz.

Pasternack's PEANOM1149 gooseneck antenna has an impedance of 50 Ohms and a maximum input power of 10 Watts. This omnidirectional antenna is designed to withstand temperatures ranging from -40 to 80 degrees C. Our vertical polarized antenna has an overall length of 12.4 inches, a width of 1.5 inches, and a weight of 0.33 lbs. This gooseneck antenna is lightweight and compact, making it easy to transport and deploy in the field.

This vertically polarized antenna has a maximum input VSWR of 1.5:1. Our single-band gooseneck antenna with an SMA male connector has a nominal gain of 3.5 dBi. This PEANOM1149 antenna comes with a black TPE radome that offers a protective covering without compromising the antenna system's performance.

Configuration

Design	Gooseneck
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	SMA Male

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		2,500	MHz
Center Frequency		24005		MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		3.5		dBi
Input Power			10	Watts

Mechanical Specifications

Radome Material	TPE

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Size	
Length	13 in [330.2 mm]
Width	1.5 in [38.1 mm]
Height	1.5 in [38.1 mm]
Weight	0.5 lbs [226.8 g]

Environmental Specifications

Temperature	
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 ±30° angles.

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

2450 MHz, Gooseneck Antenna, SMA Male Connector 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: 2450 MHz, Gooseneck Antenna, SMA Male Connector PEANOM1149

URL: https://www.pasternack.com/3.5-dbi-gooseneck-antenna-2400-2500-mhz-sma-male-connector-peanom1149.html

PEANOM1149 CAD Drawing

2450 MHz, Gooseneck Antenna, SMA Male Connector