136-174 MHz Rubber Duck Antenna, 1.8 dBi gain, I-COM Connector, Vertical Polarization

PEANRBD1022

Features

- 136 MHz to 174 MHz, 1.8 dBi Gain
- ICOM connector
- Heliflex whip antenna
- Plug and play
- 50W power handling
- VSWR < 1.5:1
- Vertical polarization
- Black

Applications

- PtP or PtMP applications
- Trunking for two-way radio comms
- VHF applications
- Public Safety / Emergency services
- Marine / Rail road communications
- P-25 applications exclusively supported
- Land mobile radio (LMR)
- Fixed and mobile services

Description

Vertical polarized antenna PEANRBD1022 from Pasternack is part of our extensive in-stock omni directional antennas that ship the same day from our ISO 9001:2015 certified facility. The antenna with 136 to 174 MHz frequency range has a maximum input VSWR of 1.5:1. This omni directional antenna has L-COM connector.

This antenna has a black radome made of TPE, an overall length of 6.48 in, width of 0.50 in, and weighs 0.022 lbs. Pasternack's PEANRBD1022 is a single band antenna operating from 136 to 174 MHz with 1.8 dBi gain.

Pasternack's experts are on hand to assist you with any inquiries. Order this PEANRBD1022 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

Design	Rubber Duck
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	I-COM

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	136		174	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		1.8		dBi
Input Power			50	Watts

Mechanical Specifications

Radome Material	TPE
Size	
Length	6.48 in [164.59 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.02 lbs [9.07 g]

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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.

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.

136-174 MHz Rubber Duck Antenna, 1.8 dBi gain, I-COM Connector, Vertical Polarization 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: 136-174 MHz Rubber Duck Antenna, 1.8 dBi gain, I-COM Connector, Vertical Polarization PEANRBD1022

URL: https://www.pasternack.com/1.8-dbi-rubber-duck-antenna-136-174-mhz-i-com-connector-peanrbd1022-p.aspx

PEANRBD1022 CAD Drawing

136-174 MHz Rubber Duck Antenna, 1.8 dBi gain, I-COM Connector, Vertical Polarization