PASTERNACK
an INFINITE brand

2 Folded Dipole antenna, 138 MHz - 174 MHz, 7.6 dBi gain, 1/4 Wave Offset pattern, V-pol, Type N Female Connector

Antennas Technical Data Sheet PEANED1003

Features

- Frequency coverage for 138 MHz to 174 MHz with Type N Female connector
- Very High Gain 7.6 dBi / 5.45 dBd antennas
- Easy and quick time to installations
- Industrially tuned dipoles made of high-grade aluminum alloys
- 2-Folded dipole antenna has offset pattern with ¼ wave spacing
- 210° horizontal beamwidth, and 35° vertical beamwidth with Vertical Polarization
- 100 W max input power

Applications

- Outdoor point-to-point (PtP) or point-to-multipoint (PtMP) applications
- VHF radio applications supported with Trunking for two-way radio communications
- Wireless LAN systems, IOT and IIOT low data high coverage applications
- TV Broadcasts and FM radio applications
- Air traffic controllers / Public Safety / Emergency services / Marine communications
- Tetra and P-25 Applications exclusively supported
- Land Mobile Radio (LMR) and Private Mobile Radio (PMR)

Description

Pasternack's PEANED1003 is a high performance, two element exposed folded dipole antenna designed to operate from 138 to 174 MHz has 7.6 dBi / 5.45 dBd of high gain. The PEANED1003 is ideal for boosting radar, GPR/WPR, FM Radio, TV broadcasts, public safety, LMR / PMR and aviation. The PEANED1003 can be used for long distance communications over a wide range of applications for VHF frequency band communication systems.

The PEANED1003 from Pasternack exposed dipole antennas are robust, outdoor, weatherproof, and high velocity wind sustainable antennas made up of high-grade aluminum alloys for longevity and resistant to corrosion. The PEANED1003 has Vertical polarization, 210 horizontal beamwidth, and 35 vertical beamwidth. The included mounting kit allows for very easy and quick time installations with less effort. These exposed dipoles are already tuned to be Quarter wavelength away from the mast and do not require any further field adjustments. Pasternack's dipole antennas PEANED1003 are premium quality 2-bay dipole antenna has offset pattern with 100W maximum power handling capability which are side mounted with ¼ wave spacing from the mast and has a pigtail terminated with 1 Type N female connector.

The 7.6 dBi/ 5.45 dBd max gain two element Quarter wave exposed folded dipole PEANED1003 antennas operates in VHF bands. This 138 to 174 MHz antenna have central support mast precisely designed for easy dipole attachments which fit tightly for error free and quick installations and ease for transportation.

Pasternack's Quarter wave dipole antenna with Type N connector is in stock and ready to ship the same day. Contact Pasternack's knowledgeable and friendly technical support and sales staff for your answers on antennas or other products.

Configuration

Band Type	Single
Radiation Pattern	Directional
Polarization	Vertical
Connector Type	N Female
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2 Folded Dipole antenna, 138 MHz - 174 MHz, 7.6 dBi gain, 1/4 Wave Offset pattern, V-pol, Type N Female Connector PEANED1003

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

PASTERNACK
an INFINITE brand

2 Folded Dipole antenna, 138 MHz - 174 MHz, 7.6 dBi gain, 1/4 Wave Offset pattern, V-pol, Type N Female Connector

Antennas Technical Data Sheet PEANED1003

Frequency Range	138		174	MHz
Input VSWR			1.8:1	
Gain		7.6		
Horizontal (Azimuth) Beam Width		210		Degrees
Vertical (Elevation) Beam Width		35		Degrees
Input Power			100	Watts

Mechanical Specifications

Radome Material	Aluminum Alloy

Size

Overall Length	118.1 in [299.97 cm]
Width	27.2 in [690.88 mm]
Height	2.4 in [60.96 mm]
Mounting Mast Diameter	1.5748 to 1.9685 in [40.00 to 50.00 mm]
Weight	119.9 lbs [54.39 kg]

Environmental Specifications

Wind Loading	124.274 MPH [200 KPH]
Humidity	5 to 95

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

2 Folded Dipole antenna, 138 MHz - 174 MHz, 7.6 dBi gain, 1/4 Wave Offset pattern, V-pol, Type N Female 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: 2 Folded Dipole antenna, 138 MHz - 174 MHz, 7.6 dBi gain, 1/4 Wave Offset pattern, V-pol, Type N Female Connector PEANED1003

URL: https://www.pasternack.com/7.6-antenna-138-174-mhz-n-type-female-connector-peaned1003-p.aspx

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

PEANED1003 CAD Drawing

2 Folded Dipole antenna, 138 MHz - 174 MHz, 7.6 dBi gain,
1/4 Wave Offset pattern, V-pol, Type N Female Connector