PASTERNACK
an INFINITE brand

Helium Hotspot HD Antenna Upgrade Kit, 9dBi 900MHz Panel w/ N Male to RP-SMA Plug, 10ft Low Loss 400 Cable and Lightning Protector



Antenna Kits Technical Data Sheet PEANKIT1022

Features

- 824 MHz to 960 MHz
- Increased Proof-of-Coverage
- Heavy duty all weather plastic radome
- N-Male to RP-SMA Male Low loss CA-400 series coax cable (LMR-400 equivalent)
- Can be installed for vertical or horizontal polarization
- Direct ground protection
- Integral lightning surge protector with multi-strike capability and replaceable gas tube
- Includes tilt and swivel mast mount
- COAX-SEAL® Hand Moldable Weatherproofing Tape

Applications

- Helium Network (HNT) Mining
- 900 MHz ISM band
- US915, EU868, AU915, AS923, KR920
- M2M, LPWAN, LoRA, LoRaWAN, IoT, LongFi
- Industrial & Environmental Monitoring
- Smart Metering Applications
- Inventory Tracking
- Non Line of Sight (NLOS)

Description

The PEANKIT1022 Helium Hotspot HD Antenna Upgrade Kit from Pasternack was designed with the serious Helium HNT Miner in mind. PEANKIT1022 provides your LongFi radio with the proper components to get the most out of your hotspot with optimized range and increased Proof-of-Coverage over OEM components.
The PEANKIT1022 achieves enhanced performance by utilizing Pasternack's 900 MHz Heavy Duty high-performance Flat Panel antenna designed for the 900 MHz ISM band. This LoRa, LoRaWAN antenna features a heavy-duty UV-stable plastic radome for all weather operation. The PEANKIT1022 comes with a 9 dBi Flat Panel Antenna that operates from 824 MHz to 960 MHz frequency range.
Combined with our Low Loss 400 series cable with integrated Lightning Protector, the 400 cable features equal performance and mechanical characteristics to cables from CommScope®, Times Microwave Systems®, Belden® and Andrew®. This 10 ft Low Loss cable comes terminated with an N Male in-line gas discharge tube suppressor, to the antenna, and an RP-SMA Male connector compatible with the leading Hotspot miners on the market. The PEANKIT1022 from Pasternack brings industry proven components direct to the Helium enthusiast, ship worldwide the same day as with our other available RF parts.

Configuration

Design	Panel
Application Band	RFID, SCADA, LPWAN, ISM, Cellular
Band Type	Wide
Radiation Pattern	Directional
Polarization	Vertical or Horizontal
Cable Type	400 Series
Cable Length	120 in [304.8 cm]
Connector Type	N Female
Number of Ports	1
Lightning Protection	Lightning Protector

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR		1.8:1	1.8:1	
Impedance		50		Ohms
Gain		9		dBi

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Helium Hotspot HD Antenna Upgrade Kit, 9dBi 900MHz Panel w/ N Male to RP-SMA Plug, 10ft Low Loss 400 Cable and Lightning Protector PEANKIT1022

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Horizontal (Azimuth) Beam Width	60		Degrees
Vertical (Elevation) Beam Width	70		Degrees
Input Power		10	Watts

Cable Assembly

Cable Type	400 Series
Impedance	50 Ohms
Connector 1	N Male
Connector 2	SMA Plug Reverse Polarity

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Gain	9					dBi
Maximum Input Power	10					Watts

Mechanical Specifications

Radome Material	UV-inhibited Polymer

Size

Overall Length	15 in [381 mm]
Width	15 in [381 mm]
Height	4 in [101.6 mm]
Weight	6 lbs [2.72 kg]

Environmental Specifications

Wind Loading	130 MPH [209.21 KPH]

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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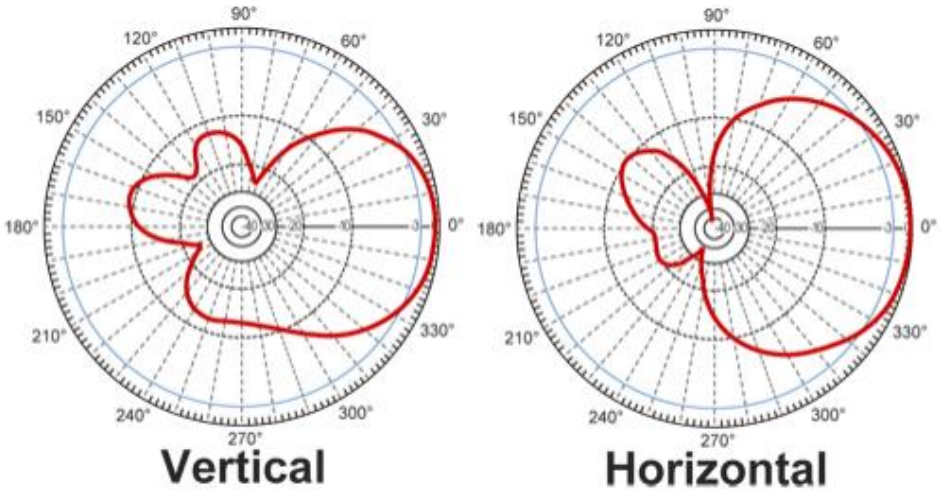
Antenna Kits Technical Data Sheet

PEANKIT1022



Helium Hotspot HD Antenna Upgrade Kit, 9dBi 900MHz Panel w/ N Male to RP-SMA Plug, 10ft Low Loss 400 Cable and Lightning Protector 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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URL: https://www.pasternack.com/hd-antenna-kit-9dbi-900mhz-panel-w-n-male-to-rp-sma-male-10ft-low-loss-400-cable-and-lightning-protector-peankit1022-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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PEANKIT1022 CAD Drawing

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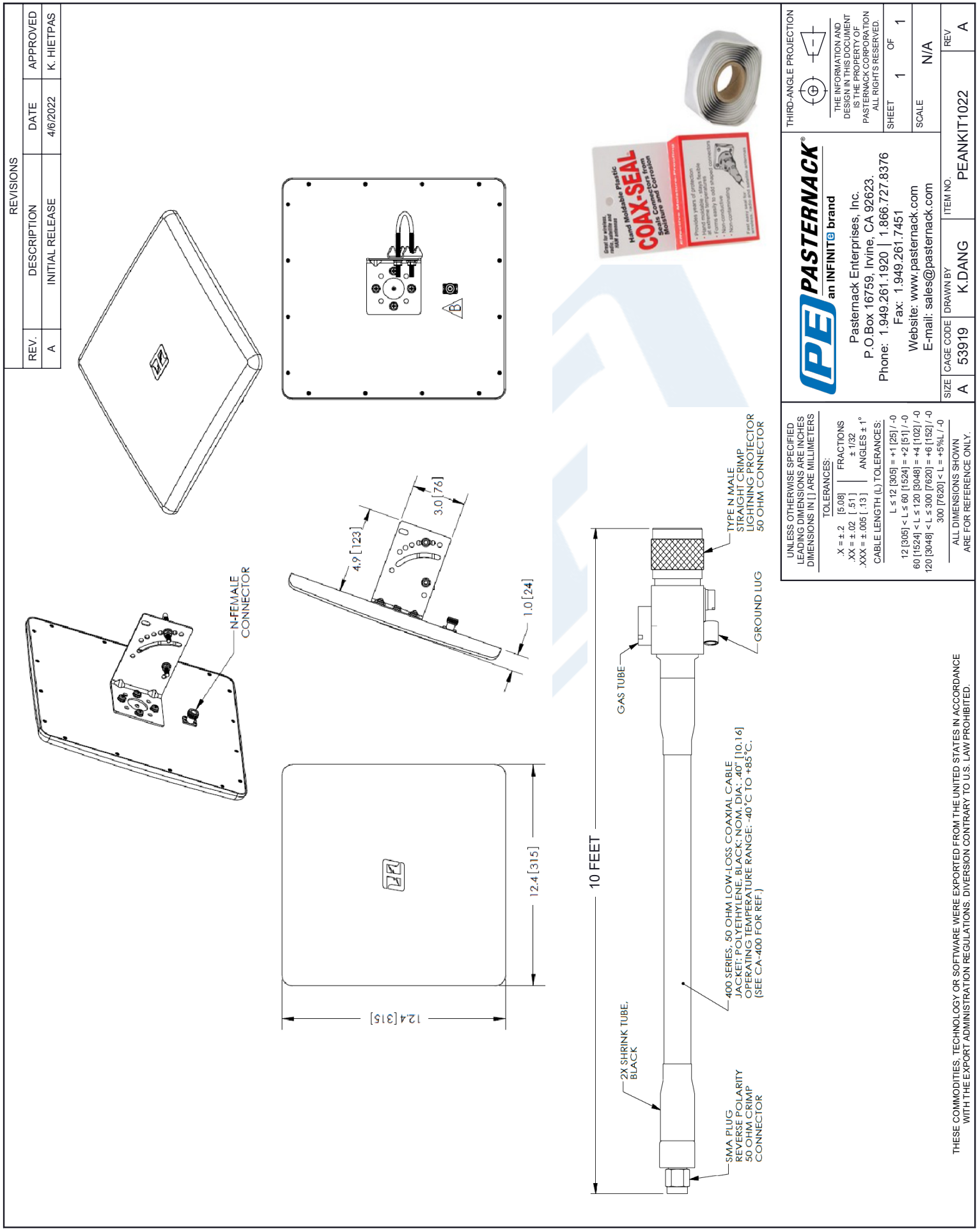

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