Helium Hotspot Antenna Upgrade Kit, 6dBi 800MHz Omni w/ N Male to RP-SMA Plug, 20ft Low Loss 400 Cable and Lightning Protector



LCANKIT1031

Features

- 824 MHz to 876 MHz
- Increased Proof-of-Coverage
- N-Male to RP-SMA Male Low loss CA-400 series coax cable (LMR-400 equivalent)
- Lightweight fiberglass radome
- Integral lightning surge protector with multi-strike capability and replaceable gas tube
- Heavy-duty steel mounting bracket
- COAX-SEAL® Hand Moldable Weatherproofing Tape

Applications

- Helium Network (HNT) Mining
- 800 MHz EU ISM band
- EU868, IN865, RU864
- M2M, LPWAN, LoRA, LoRaWAN, IoT, LongFi
- Industrial & Environmental Monitoring
- Smart Metering Applications
- Inventory Tracking
- Non Line of Sight (NLOS)

Description

The LCANKIT1031 EU Helium Hotspot Antenna Upgrade Kit from L-Com was designed with the serious Helium HNT Miner in mind. LCANKIT1031 provides your LongFi radio with the proper components to get the most out of your hotspot with optimized range, increased witnessing and Proof-of-Coverage over OEM components.

The LCANKIT1031 achieves enhanced performance by utilizing L-Com's 800 MHz high-performance Omni-directional antennas designed for the 800 MHz European ISM band. These LoRa, LoRaWAN antennas feature a rugged 1.3" diameter UV-stable fiberglass radome for durability, aesthetics and long service life. The LCANKIT1031 comes with a 6 dBi Omni Antenna that operates from 824 MHz to 876 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 20 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 LCANKIT1031 from L-Com brings industry proven components direct to the Helium enthusiast, ship worldwide the same day as with our other available RF parts.

Configuration

Design	Omni
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Cable Type	400 Series
Cable Length	240 in [609.6 cm]
Connector Type	N Female
Number of Ports	1
Lightning Protection	Lightning Protector

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	824		876	MHz

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
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Input VSWR	1.5:1		
Impedance	50		Ohms
Gain	6		dBi
Horizontal (Azimuth) Beam Width	Omnidirectional		
Vertical (Elevation) Beam Width	30		Degrees
Input Power		100	Watts

Cable Assembly

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

Mechanical Specifications

Radome Material	Fiberglass

Size

Radome Diameter	1.3 in [33.02 mm]
Overall Length	70 in [177.8 cm]
Width	10 in [254 mm]
Height	4 in [101.6 mm]
Weight	8 lbs [3.63 kg]

Environmental Specifications

Temperature

Operating Range	-40 to +60 deg C
Wind Loading	108 MPH [173.81 KPH]

Compliance Certifications (see product page for current document)

Plotted and Other Data

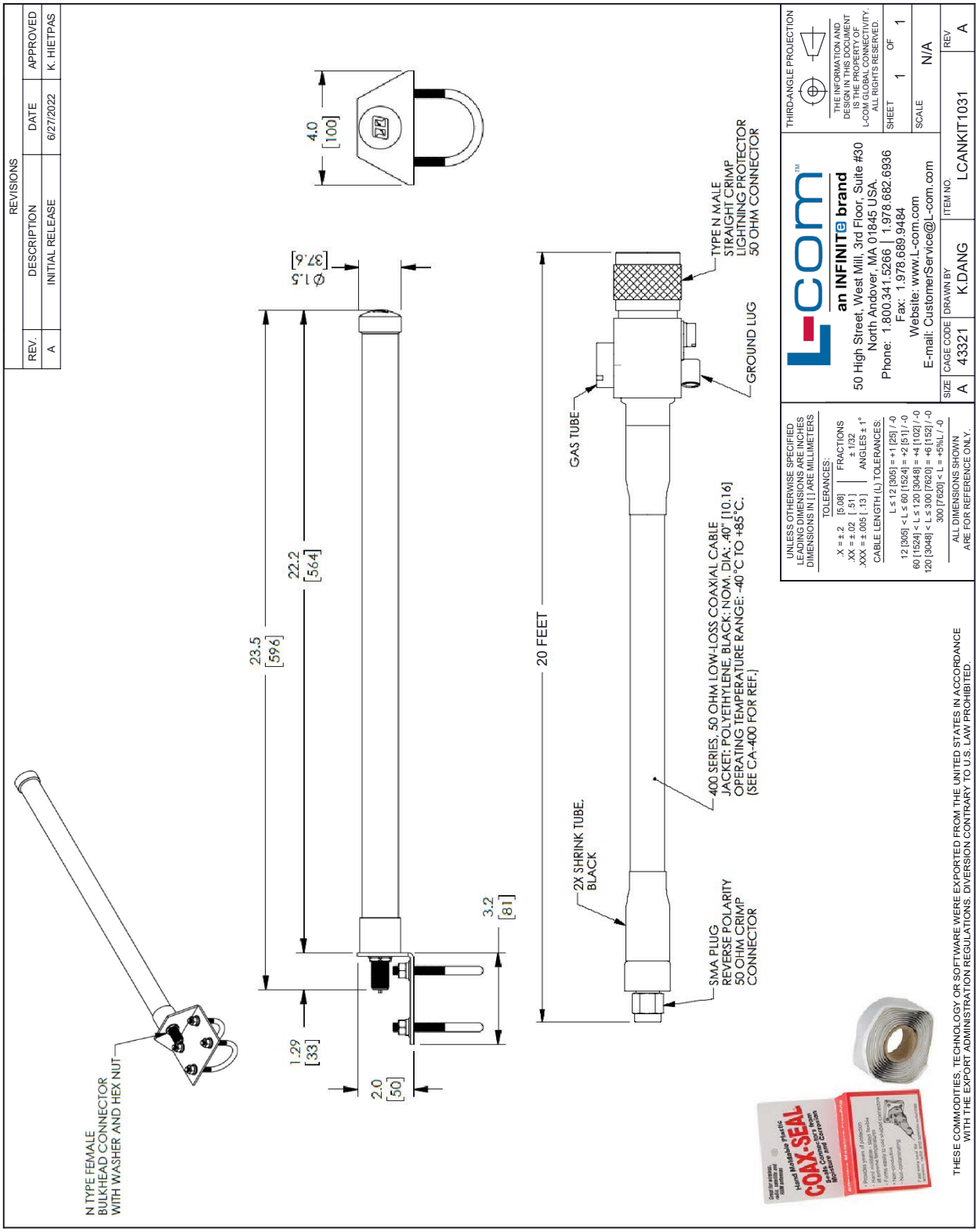
Notes:

Helium Hotspot Antenna Upgrade Kit, 6dBi 800MHz Omni w/ N Male to RP-SMA Plug, 20ft Low Loss 400 Cable and Lightning Protector from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within 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 impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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L-com CAD Drawing



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