

400-470/1572-1578 MHz Rubber Duck Antenna, 1.8 dBi gain, MTH800 Connector, Vertical Polarization



LCANRBD1018

Features

- 400 MHz to 470 MHz, 1.8 dBi Gain
- Moto 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
- UHF applications
- Public Safety / Emergency services
- Tetra and P-25 applications exclusively supported
- Land and Private mobile radio (LMR) (PMR)
- Fixed and mobile services
- GPS

Description

The L-com LCANRBD1018 is a dual band rubber duck antenna that ships on the same day as ordered. Our vertical polarized antenna with 400 to 470 and 1572 to 1578 MHz frequency range has a MTH800 connector. This antenna with a black radome made of TPE has an overall length of 3.03 in, a width of 0.500 in, and a weight of 0.022 lbs.

L-com's LCANRBD1018 is a dual band antenna operating from 400 to 470 and 1572 to 1578 MHz with 1.8 dBi gain. The omni directional antenna has a maximum input VSWR of 1.5:1.

L-com has one of the largest in-stock collections of omni directional antennas with our wide selection of superior quality RF parts, that ship same day. Make your online purchase right now to take advantage of our same-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal dual band rubber duck antenna as per your requirement.

Configuration

Design	Rubber Duck
Band Type	Dual
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	MTH800

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	400		1,578	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain	1.8		2	dBi
Input Power			50	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[400-470/1572-1578 MHz Rubber Duck Antenna, 1.8 dBi gain, MTH800 Connector, Vertical Polarization LCANRBD1018](#)

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Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.4 to 0.47	1.572 to 1.578				GHz
Gain	1.8	2				dBi
VSWR Max	1.5:1	2:1				

Mechanical Specifications

Radome Material	TPE
Size	
Length	3.03 in [76.96 mm]
Width	0.5 in [12.7 mm]
Height	0.5 in [12.7 mm]
Weight	0.022 lbs [9.98 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +80 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

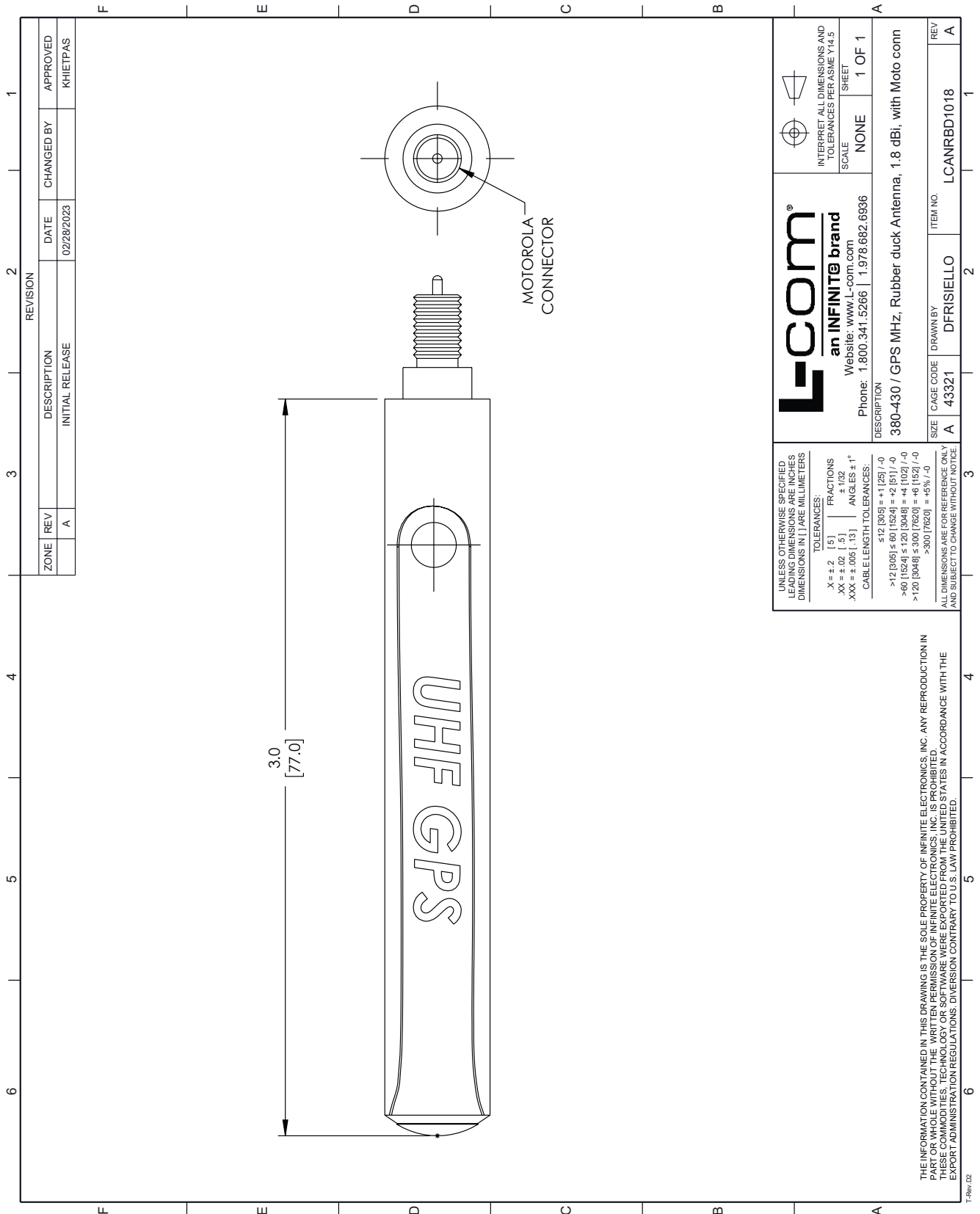
Notes:

400-470/1572-1578 MHz Rubber Duck Antenna, 1.8 dBi gain, MTH800 Connector, Vertical Polarization 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 implement 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



ZONE		REVISION		APPROVED	
REV	DESCRIPTION	DATE	CHANGED BY	APPROVED	
A	INITIAL RELEASE	02/28/2023		KHIETPAS	

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
X = ±.2 [5] FRACTIONS
XX = ±.02 [5] ±.132
XXX = ±.005 [13] ANGLES ±1°

CABLE LENGTH TOLERANCES:
≤12 [305] = ±1 [25] / -0
>12 [305] ≤ 60 [1524] = ±2 [51] / -0
>60 [1524] ≤ 120 [3048] = ±4 [102] / -0
>120 [3048] ≤ 300 [7620] = ±6 [152] / -0
>300 [7620] = ±5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
SCALE NONE
SHEET 1 OF 1

DESCRIPTION
380-430 / GPS MHz, Rubber duck Antenna, 1.8 dBi, with Moto conn

SIZE A CAGE CODE 43321 DRAWN BY DFRISIELLO ITEM NO. LCANRBD1018

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