

# Navilock Multiband GNSS GSM UMTS LTE SMA 28 dBi / 5 dBi 2 x 2 m RG-174 Antenna omnidirectional roof mount outdoor

## Description

This multi-band antenna by Navilock has two physically separated transmitting and receiving units. The GPS patch antenna receives the signals of the Global Navigation Satellite System GPS. PIFA antenna for GSM / UMTS / LTE is responsible for transmitting and receiving in these areas.

Due to its outdoor features, the multiband antenna is well suitable for usage in harsh areas such as transportation, forestry, agriculture, construction and in the maritime sector. It is waterproof, shock resistant and can be used in an extended temperature range.



**Item no. 89488**

EAN: 4043619894888

Country of origin: China

Package: Retail Box

## Technical details

- Connectors: 2 x SMA plug
- GPS:
  - Frequency range:
  - GPS: L1, 1.57542 GHz
  - Antenna gain: 5 dBi
  - VSWR: 1.5
  - Impedance: 50 Ohm
  - Polarisation: RHCP
- LNA GPS:
  - Frequency range:
  - GPS: L1, 1.57542 GHz
  - Gain: 28 dBi
  - Voltage: 2.2 - 5.0 V
  - Current: 5 - 15 mA
  - VSWR: 2.0

Impedance: 50 Ohm

- **GSM UMTS:**

Frequency range:

0.824 - 0.960 GHz

1.710 - 2.170 GHz

GSM / UMTS / ZigBee / Z-Wave

Antenna gain: 2 - 3 dBi

Impedance: 50 Ohm

Polarisation: linear

VSWR: 2.5

- Operating temperature: -40 °C ~ 85 °C
- Housing material: ABS
- Protection class: IP67
- Screw assembly:
  - Hole diameter: 20 mm
- Colour: black
- Dimension (ØxH): ca. 68 x 54.5 mm
- Cable category: coaxial
- Cable type: RG-174
- Cable colour: black
- Cable attenuation:
  - 1.5 dBi @ 1.5 GHz per meter
- Cable diameter: ca. 2.7 mm
- Cable length incl. connectors: ca. 2 m

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## System requirements

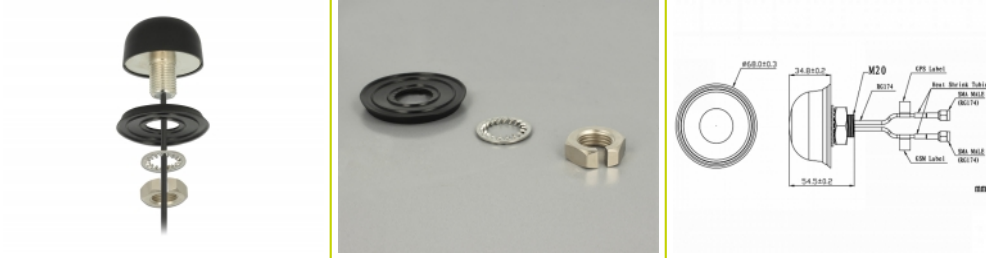
- Device with free SMA connectors

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## Package content

- Multiband antenna
- Nut

## Images



## General

|                       |   |
|-----------------------|---|
| Mounting type:        | Screw mounting with 20 mm hole diameter |
| Protection category:  | IP67                                    |
| Suitable for outdoor: | yes                                     |

## Interface

|            |              |
|------------|--------------|
| connector: | 2 x SMA plug |
|------------|--------------|

## Technical characteristics

|                        |   |
|------------------------|---|
| Operating voltage:     | 2.2 - 5.0 V   |
| Frequency range:       | 824 MHz - 960 MHz<br>1.57542 GHz<br>1.71 - 2.17 GHz |
| Gain:                  | 5 dBi<br>28 dBi<br>2 dBi                            |
| Impedance:             | 50 Ω  |
| Operating temperature: | -40 °C ~ 85 °C                                      |
| Polarisation:          | RHCP<br>linear vertical                             |
| Current consumption:   | 5 - 15 mA   |
| VSWR:                  | 2.0<br>1.5  |

## Physical characteristics

|                   |          |
|-------------------|----------|
| Housing colour:   | black    |
| Housing material: | ABS      |
| Weight:           | 0.212 kg |
| Cable category:   | coaxial  |
| Cable type:       | RG-174   |

|                    |                                   |
|--------------------|-----------------------------------|
| Cable attenuation: | 1.5 dB @ 1.5 GHz per meter RG-174 |
| Cable colour:      | black                             |
| Cable length:      | 3 m (incl. connectors)            |
| Diameter:          | 68 mm                             |
| Height:            | 54.5 mm                           |