

# Navilock Multiband GNSS UMTS GSM LTE SMA 28 dBi / 2 dBi 2 x 2 m RG-174 Antenna omnidirectional mounting plate

## 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. One PIFA antenna for GSM / UMTS / LTE is responsible for transmitting and receiving in these ranges.



2 m

**Item no. 89489**

EAN: 4043619894895

Country of origin: China

Package: Zip poly bag

## Specification

- Connectors: 2 x SMA plug
- GPS:
  - Frequency range:
  - GPS: L1, 1.57542 GHz
  - Antenna gain: 3 dBi
  - VSWR: 1.5
  - Impedance: 50 Ohm
  - Polarisation: RHCP
- LNA GPS:
  - Frequency range:
  - GPS: L1, 1.57542 GHz
  - Gain: 28 dBi
  - Noise figure: 1.5 dB
  - Voltage: 2.2 - 5.0 V
  - Current: 5 - 15 mA

Impedance: 50 Ohm

- **LTE GSM UMTS:**

Frequency range:

0.824 - 0.960 GHz

1.710 - 2.170 GHz

LTE Band: 1-6/ 8-10/ 19/ 25/ 33-37/ 39

GSM / UMTS / ZigBee / Z-Wave

Antenna gain: 2 dBi

Impedance: 50 Ohm

Polarisation: linear

VSWR: 2.0

- Operating temperature: -40 °C ~ 85 °C
- Housing material: ABS
- Protection class: none
- Screw assembly
- Colour: black
- Dimension (ØxH): ca. 77 x 14 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

---

## System requirements

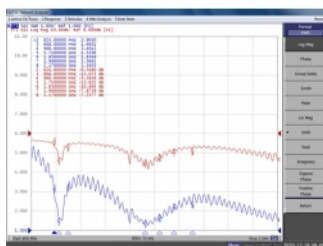
- Device with free SMA connectors

---

## Package content

- Multiband antenna

## Images



## General

|                       |                |
|-----------------------|----------------|
| Mounting type:        | Screw mounting |
| Protection category:  | without        |
| Suitable for indoor:  | yes            |
| Suitable for outdoor: | no             |

## 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:                  | 3 dBi<br>28 dBi<br>2 dBi                            |
| Impedance:             | 50 $\Omega$   |
| 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:           | 96 g<br>0.096 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:      | 2 m (incl. connectors)            |
| Diameter:          | 68 mm                             |
| Height:            | 54.5 mm                           |