

# 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

## Technical details

- 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

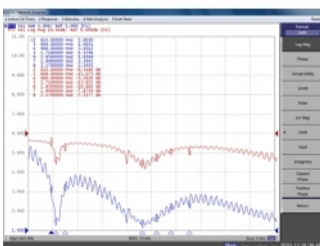
## System requirements

- Device with free SMA connectors

## Package content

- Multiband antenna

## Images



## General

Mounting type:	Screw mounting
Protection class:	without
Suitable for indoor:	yes
Suitable for outdoor:	no

## Interface

Connector:	2 x SMA plug
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## Technical characteristics

Operating voltage:	2.2 - 5.0 V
Frequency range:	824 - 960 MHz 1.57542 GHz 1.71 - 2.17 GHz
Gain:	3 dBi 28 dBi 2 dBi
Impedance:	50 $\Omega$
Operating temperature:	-40 °C ~ 85 °C
Polarisation:	RHCP linear vertical
Current consumption:	5 - 15 mA
VSWR:	2.0 1.5

## Physical characteristics

Housing colour:	black
Housing material:	ABS
Weight:	96 g 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
Cable diameter:	2.70 mm RG-174

**Manufacturer information**

Street Beeskowdamm 13/15  
 Postal code 14167  
 City Berlin  
 Country Deutschland  
 E-Mail info@navilock.de  
 Website www.navilock.de

