

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

Specification

• 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: ABSProtection class: IP67

Screw assembly:
Hole diameter: 20 mm

• Colour: black

• Dimension (ØxH): ca. 68 x 54.5 mm

Cable category: coaxialCable type: RG-174Cable 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

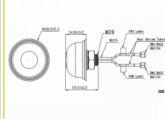
- · Multiband antenna
- Nut



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 1.57542 GHz 1.71 - 2.17 GHz
Gain:	5 dBi 28 dBi 2 dBi
Impedance:	50 Ω
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:	0.212 kg
Cable category:	coaxial
Cable type:	RG-174



DATASHEET

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