Navilock Multiband GNSS GALILEO GPS LTE UMTS GSM SMA Antenna omnidirectional roof mount outdoor

Description

This Navilock multi-band antenna has three physically separate transmitting and receiving units. The GNSS patch antenna receives the signals of the Global Navigation Satellite System GALILEO GPS. Two PIFA antennas, respectively, for LTE and GSM / UMTS are responsible for sending 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 the extended temperature range.



N° produit 12457

EAN: 4043619124572

Pays d´origine: China

Emballage: White Box

Spécifications techniques

- Connectors: 3 x SMA plug

- GNSS:
  Frequency range:
  GPS: L1, 1.57542 GHz
  GALILEO: E1, 1,57542 GHz
  Antenna gain: 4 dBi
  VSWR: 2.5
  Impedance: 50 Ohm
  Polarisation: RHCP

- LNA GPS:
  Frequency range:
  GPS: L1, 1.57542 GHz
  GALILEO: E1, 1,57542 GHz
  Gain: 28 dBi
  Voltage: 2.2 - 5.0 V

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Current: 5 - 15 mA
VSWR: 2.0
Impedance: 50 Ohm
Cable category: coaxial
Cable type: RG-174
Cable attenuation:
1.5 dB @ 1.5 GHz per meter
Cable diameter: ca. 2.7 mm

- LTE:
  Frequency range:
  0.698 - 0.960 GHz
  1.710 - 2.700 GHz
  LTE Band: 1-10/ 12-20/ 23/ 25-30/ 33-41
  GSM / UMTS / LoRa 868 MHz, 915 MHz / ZigBee / Z-Wave / WLAN 2.4 GHz / Bluetooth
  Antenna gain: 3 dBi
  Impedance: 50 Ohm
  Polarisation: linear
  VSWR: 2.5
  Cable category: coaxial
  Cable type: RG-58/U
  Cable attenuation:
  0.6 dBi @ 1 GHz per meter
  Cable diameter: ca. 4.95 mm

- GSM UMTS:
  Frequency range:
  0.824 - 0.960 GHz
  1.710 - 2.170 GHz
  GSM / UMTS / Z-Wave
  Antenna gain: 3 dBi
  Impedance: 50 Ohm
  Polarisation: linear
  VSWR: 2.5
  Cable category: coaxial
  Cable type: RG-58/U
  Cable attenuation:
  0.6 dBi @ 1 GHz per meter
  Cable diameter: ca. 4.95 mm
- Operating temperature: -40 °C ~ 85 °C
- Housing material: ABS
- Protection class: IP67
- Screw assembly:

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Hole diameter: 30 mm
- Colour: black
- Dimension (ØxH): ca. 143.6 x 65 mm
- Cable color: black
- Cable length: ca. 3 m

Configuration système requise

- Device with free SMA connectors

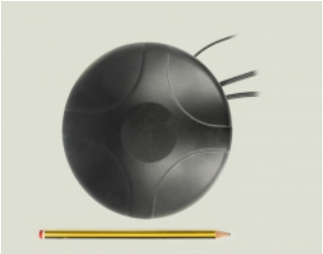
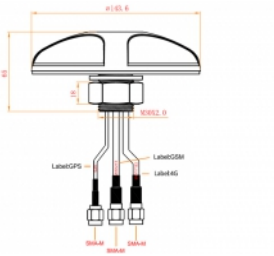
Contenu de l’emballage

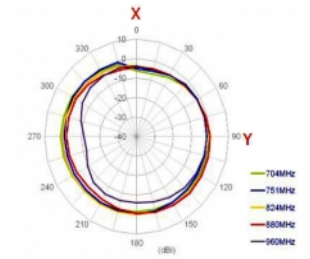
- Multiband antenna
- Nut

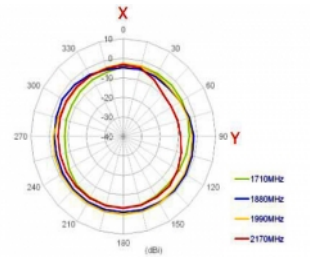
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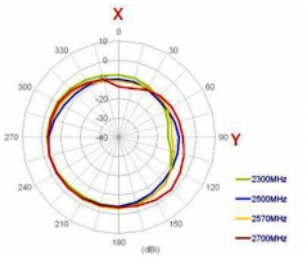
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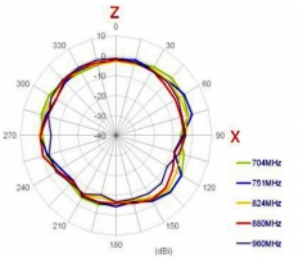


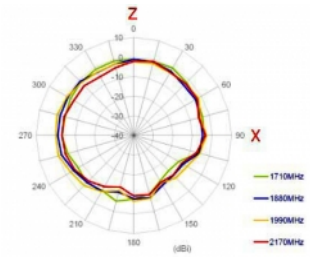



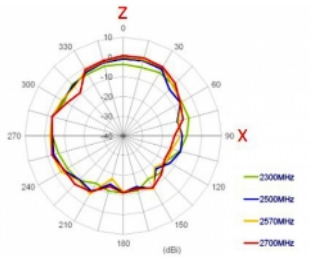


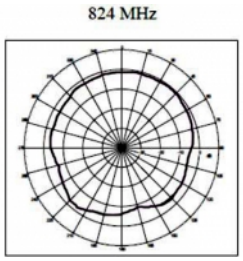


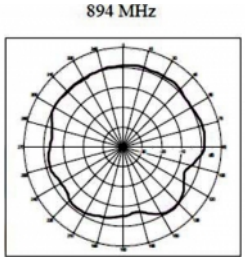


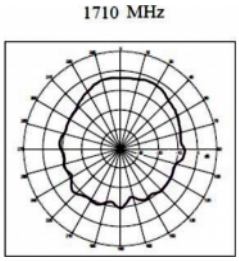


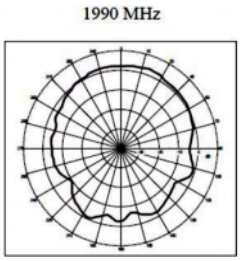


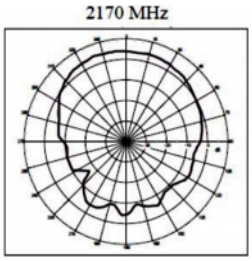


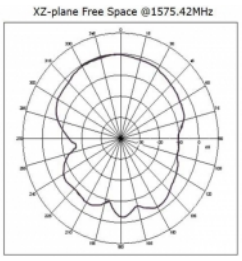


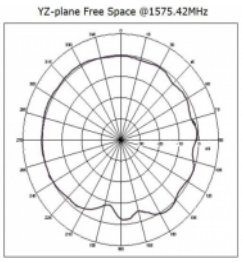












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General

Mounting type:	design mounting
Protection category:	IP67
Suitable for outdoor:	Qui

Interface

connecteur :	3 x SMA

Technical characteristics

Operating voltage:	2.2 - 5.0 V
Frequency range:	824 MHz - 960 MHz 1.57542 GHz 1.71 - 2.17 GHz 1.71 GHz - 2.70 GHz 698 MHz - 960 MHz
Gain:	4 dBi 28 dBi 3 dBi
Impédance s:	50 Ω
Polarisation:	RHCP linear vertical
Power handling:	5 W 1 W
Current consumption:	5 - 15 mA
VSWR:	2,5 2,0

Physical characteristics

Boitier couleur:	noir
Matériau du boîtier :	ABS
Weight:	1,2 kg

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Cable category:	coaxial cable
Cable type:	RG-174 RG-58 U
Cable attenuation:	1.5 dB @ 1.5 GHz per meter RG-174 0.6 dB @ 1.0 GHz per meter RG-58/U
Couleur du câble:	noir
Longueur du cordon:	3 m (incl. connectors)
Diameter:	143.6 mm
Height:	6.5 cm

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