

Delock Multiband LTE UMTS GSM GPS Antenna 3 x SMA male omnidirectional roof mount black outdoor

Description

This Delock multi-band antenna has three physically separate transmitting and receiving units. Two PIFA antennas, respectively, for LTE and GSM/UMTS are responsible for sending and receiving in these areas. The GPS patch antenna receives the signals of the Global Navigation Satellite System GPS.

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.



Item no. 12455

EAN: 4043619124558

Country of origin: China

Package: White Box

Specification

- Connectors: 3 x SMA male
- **LTE:**
 - Frequency range:
 - 0,698 - 0,960 GHz
 - 1,710 - 2,700 GHz
 - GSM / UMTS / ZigBee / Z-Wave / WLAN 2,4 GHz / Bluetooth
 - Antenna gain: 2 dBi
 - Impedance: 50 Ohm
 - VSWR: 2,5
 - Polarisation: linear
 - Cable: coaxial
 - Cable type: RG-58/U
 - Cable diameter: ca. 4,95 mm
 - Cable attenuation: 0,6 dBi @ 1 GHz per meter
- **GSM UMTS:**
 - Frequency range:
 - 0,824 - 0,960 GHz
 - 1,710 - 2,170 GHz
 - GSM / UMTS / Z-Wave
 - Antenna gain: 2 dBi
 - Impedance: 50 Ohm
 - VSWR: 2,5
 - Polarisation: linear

Cable: coaxial
Cable type: RG-58/U
Cable diameter: ca. 4,95 mm
Cable attenuation: 0,6 dBi @ 1 GHz per meter

• GPS:

Frequency range:
GPS: L1, 1,57542 GHz
Antenna gain: 28 dBi
Impedance: 50 Ohm
VSWR: 2,5
Polarisation: RHCP
Cable: coaxial
Cable type: RG-174
Cable diameter: ca. 2,7 mm
Cable attenuation: 1,5 dB @ 1,5 GHz per meter
Operating voltage: 2,2 - 5,0 V
Current consumption: 5 - 15 mA

• LNA GPS:

Frequency range:
GPS: L1, 1,57542 GHz
Antenna gain: 28 dBi
VSWR: 2,0
Impedance: 50 Ohm
Cable: coaxial
Cable type: RG-174
Cable diameter: ca. 2,7 mm
Cable attenuation: 1,5 dB @ 1,5 GHz per meter
Operatin voltage: 2,2 - 5,0 V
Current consumption: 5 - 15 mA

- Screw-on mounting
- Operating temperature: -40°C ~ 85°C
- Housing material: ABS
- Colour: black
- Protection class: IP67
- Cable colour: black
- Cable length incl. connectors: ca. 3 m
- Dimensions (DxH): ca. 143,6 x 65 mm
- Mounting hole diameter: 30 mm

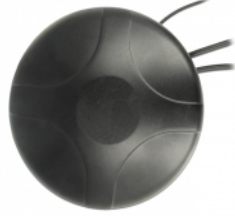
System requirements

- Device with free SMA connectors

Package content

- Multiband antenna
- Nut

Images



General

Mounting type:	Screw mounting
Protection category:	IP67
Suitable for outdoor:	yes

Interface

connector:	3 x SMA
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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
Impedance:	50 Ω
Polarisation:	RHCP linear vertical
Power handling:	5 W 1 W
Current consumption:	5 - 15 mA
VSWR:	2.5 2.0

Physical characteristics

Housing colour:	black
Housing material:	ABS
Weight:	1,2 kg

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
Cable colour:	black
Cable length:	3 m (incl. connectors)
Cable diameter:	4.95 mm RG-58 U 2.70 mm RG-174
Diameter:	143.6 mm
Height:	6.5 cm