

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

DATASHEET



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: IP67Cable 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

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



DATASHEET

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)
Diameter:	143.6 mm
Height:	6.5 cm