

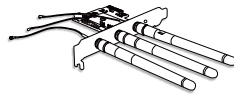
CATALOGUE 2020

RF Antenna

The antennas by Delock allow the usage of different bands inside and outside.

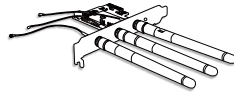


RF Antenna



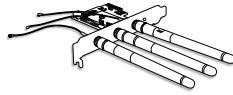
04		12416 LTE / GSM / UMTS Antenna SMA plug 3 dBi omnidirectional	05		12417 LTE Antenna SMA plug 5 dBi omnidirectional
06		12425 LTE Antenna SMA plug 5 dBi omnidirectional	07		12426 GSM Antenna SMA plug 3 dBi omnidirectional
08		12427 LTE Antenna SMA plug 5 dBi omnidirectional	09		12428 LTE Antenna SMA plug 7 dBi omnidirectional
10		12443 TETRA 410 - 450 MHz Antenna M6 Inner thread 0 dBi omnidirectional	11		12500 GSM UMTS Antenna N jack 7 dBi omnidirectional
12		12504 LoRa 868 MHz Antenna N jack 8 dBi omnidirectional	13		12505 LoRa 915 MHz Antenna N jack 9 dBi omnidirectional
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16		86151 WLAN 802.11 b/g/n Antenna MHF® I plug 3 dBi PIFA 701	17		86214 WLAN 802.11 ac/a/h/b/g/n Antenna MHF® I plug 1.5 dBi PIFA
18		86270 WLAN 802.11 ac/a/h/b/g/n Antenna MHF® I plug 1.5 - 2.0 dBi	19		86286 WLAN 802.11 ac/a/h/b/g/n Antenna MHF® 4L plug 1 dBi CCD internal
20		88339 WLAN 802.11 b/g/n Antenna RP-SMA plug 2 dBi omnidirectional	21		88393 WLAN 802.11 ac/a/b/g/n Antenna RP-SMA plug 4 - 5 dBi omnidirectional
22		88394 WLAN 802.11 ac/a/b/g/n Antenna RP-SMA plug 3 dBi omnidirectional	23		88395 WLAN 802.11 ac/a/b/g/n Antenna RP-SMA plug 2 dBi omnidirectional
24		88396 WLAN 802.11 b/g/n Antenna RP-SMA plug 5 dBi omnidirectional	25		88397 WLAN 802.11 ac/a/b/g/n Antenna RP-SMA plug 2 dBi omnidirectional
26		88410 WLAN 802.11 b/g/n Antenna RP-SMA plug 6.5 dBi omnidirectional	27		88413 WLAN 802.11 b/g/n Antenna RP-SMA plug 4 dBi omnidirectional
28		88416 GSM / UMTS Antenna SMA plug 1.0 - 3.5 dBi omnidirectional	29		88428 LTE Antenna RP-SMA plug -0.9 - 2.3 dBi omnidirectional
30		88436 LTE Antenna SMA plug 0.1 - 4.5 dBi omnidirectional	31		88439 Antenna base RP-SMA jack > RP-SMA plug
32		88447 WLAN 802.11 ac/a/b/g/n Antenna RP-SMA plug 5 ~ 7 dBi directional	33		88450 WLAN 802.11 b/g/n Antenna RP-SMA plug 9 dBi omnidirectional
34		88451 LTE Antenna SMA plug 1 - 4 dBi omnidirectional	35		88452 WLAN 802.11 b/g/n Antenna N plug 5 dBi omnidirectional

RF Antenna



36		88453 GSM / UMTS Antenna N plug 2.5 dBi omnidirectional	37		88460 WLAN 802.11 ac/a/b/g/n Antenna RP-SMA plug 2 - 5 dBi omnidirectional
38		88461 WLAN 802.11 ac/a/h/b/g/n Antenna RP-SMA plug 3 dBi omnidirectional	39		88571 LTE Antenna SMA plug -0.8 ~ 3.0 dBi omnidirectional
40		88688 ZigBee 868 MHz Antenna RP-SMA plug 2 dBi omnidirectional	41		88689 ZigBee 868 MHz Antenna SMA plug 2 dBi omnidirectional
42		88690 GSM UMTS Sixband Antenna SMA plug 0 dBi omnidirectional	43		88739 Antenna Base SMA plug > SMA jack LTE MIMO
44		88767 GSM Quadband Antenna FME 2 dBi 90° omnidirectional	45		88770 GSM Quadband Antenna RP-SMA plug 2 dBi omnidirectional
46		88822 WLAN 802.11 ac/a/b/g/n Antenna N plug 4.5 - 7.0 dBi omnidirectional	47		88877 ISM 433 MHz Antenna SMA plug 3 dBi omnidirectional
48		88879 GSM / UMTS Antenna SMA plug 3 dBi omnidirectional	49		88899 WLAN 802.11 ac/a/h/b/g/n Antenna RP-SMA plug 5 - 7 dBi omnidirectional
50		88901 WLAN 802.11 ac/a/h/b/g/n Antenna RP-SMA plug 4 - 6 dBi omnidirectional	51		88913 WLAN 802.11 ac/a/h/b/g/n Antenna RP-SMA plug 5 - 7 dBi omnidirectional
52		88980 LTE Antenna N plug 2.5 dBi omnidirectional	53		88983 WLAN 802.11 ac/a/h/b/g/n Twin Antenna 2 x MHF® I plug 5 dBi
54		88986 GSM / UMTS Antenna SMA plug 0.7 - 1.6 dBi omnidirectional	55		89437 WLAN 802.11 ac/a/b/g/n Antenna SMA plug 2 dBi omnidirectional
56		89438 WLAN 802.11 ac/a/b/g/n Antenna SMA 4 - 5 dBi omnidirectional	57		89486 WLAN 802.11 ac/a/h/b/g/n Antenna SMA plug 1.4 - 3.0 dBi omnidirectional
58		89529 LTE UMTS GSM Antenna SMA plug 3 dBi omnidirectional	59		89534 WLAN 802.11 b/g/n Antenna SMA plug 3 dBi omnidirectional RG-174
60		89568 PCI Express Card > 1 x internal M.2 Key A Slot with 3 external Antennas	61		89571 WLAN 802.11 ac/a/h/b/g/n Double Antenna 2 x MHF® 4L plug 3 - 5 dBi
62		89604 LTE Antenna SMA plug 2 dBi omnidirectional	63		89633 LoRa 868 MHz Antenna N plug 1.89 dBi omnidirectional
64		89634 433 MHz Antenna N plug 1.32 dBi omnidirectional	65		89635 LoRa 915 MHz Antenna N plug 2.13 dBi omnidirectional
66		89636 LoRa 915 MHz Antenna N plug 2.24 dBi omnidirectional	67		89637 LoRa 868 MHz Antenna N plug 2.09 dBi omnidirectional

RF Antenna



68



89638
433 MHz Antenna
N plug 1.45 dBi omnidirectional

69



89769
LoRa 868 MHz Antenna
SMA plug 3 dBi omnidirectional

70



89770
NB-IoT 900 MHz Antenna
SMA plug 3 dBi omnidirectional

71



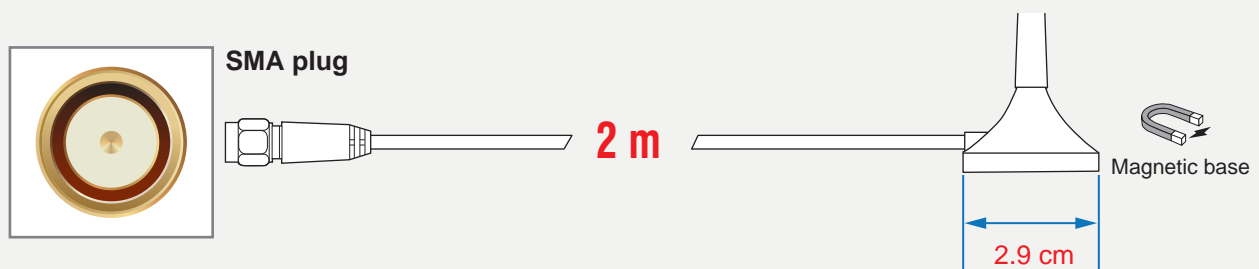
89771
NB-IoT 900 MHz Antenna
N plug 1.5 dBi omnidirectional


LTE / GSM / UMTS Antenna SMA plug 3 dBi fixed omnidirectional with magnetic base and connection cable

- RG-174**
- 3 dBi**
- 2 m**
- black**
- indoor & outdoor**



CE




Frequency range
800 - 960 MHz
1710 - 2700 MHz


Gain
3 dBi


Impedance
50 Ω


VSWR
2.0


Polarisation
vertical

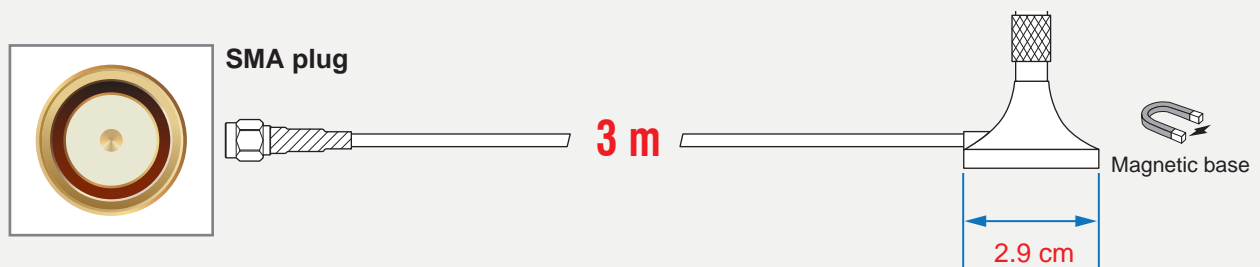

Operating temperature
-30 °C ~ 70 °C

LTE Antenna SMA plug 5 dBi fixed omnidirectional with magnetic base and connection cable

- RG-174**
- 5 dBi**
- 3 m**
- black**
- indoor & outdoor**



CE



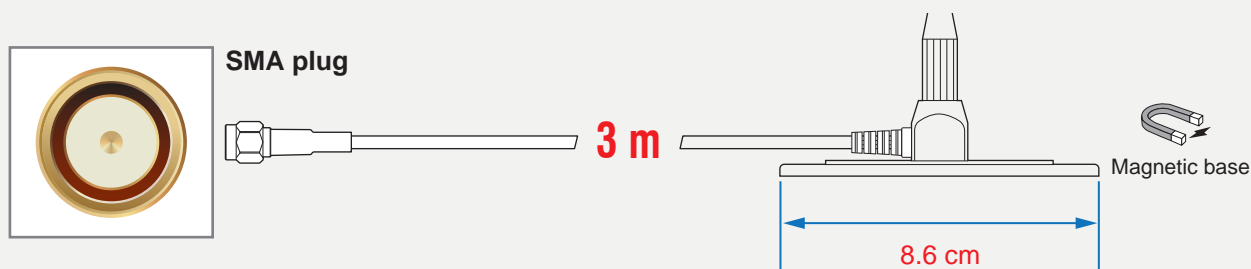
- 
 Frequency range
 700 - 960 MHz
 1710 - 2700 MHz
- 
 Gain
 5 dBi
- 
 Impedance
 50 Ω
- 
 VSWR
 2.0
- 
 Polarisation
 vertical
- 
 Operating temperature
 -30 °C ~ 70 °C


LTE Antenna SMA plug 5 dBi fixed omnidirectional with magnetic base and connection cable

- RG-58**
- 5 dBi**
- 3 m**
- black**
- indoor & outdoor**



CE





Frequency range
700 - 960 MHz
1710 - 2700 MHz


Gain
5 dBi


Impedance
50 Ω


VSWR
2.0


Polarisation
vertical

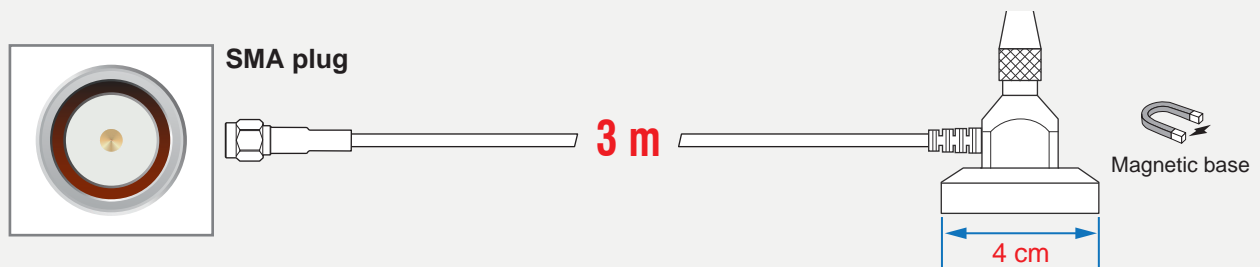

Operating temperature
-30 °C ~ 70 °C

GSM Antenna SMA plug 3 dBi fixed omnidirectional with magnetic base and connection cable

- RG-174**
- 3 dBi**
- 3 m**
- black**
- indoor & outdoor**



CE



- 

Frequency range
824 - 960 MHz
1710 - 2170 MHz
- 

Gain
3 dBi
- 

Impedance
50 Ω
- 

VSWR
2.0
- 

Polarisation
linear, vertical
- 

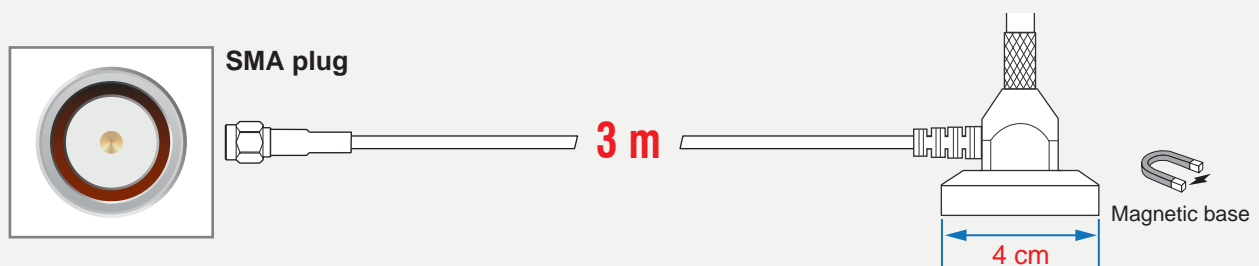
Operating temperature
-30 °C ~ 70 °C


LTE Antenna SMA plug 5 dBi fixed omnidirectional with magnetic base and connection cable

- RG-58**
- 5 dBi**
- 3 m**
- black**
- indoor & outdoor**



CE





Frequency range
700 - 960 MHz
1710 - 2690 MHz


Gain
5 dBi


Impedance
50 Ω


VSWR
2.0


Polarisation
vertical

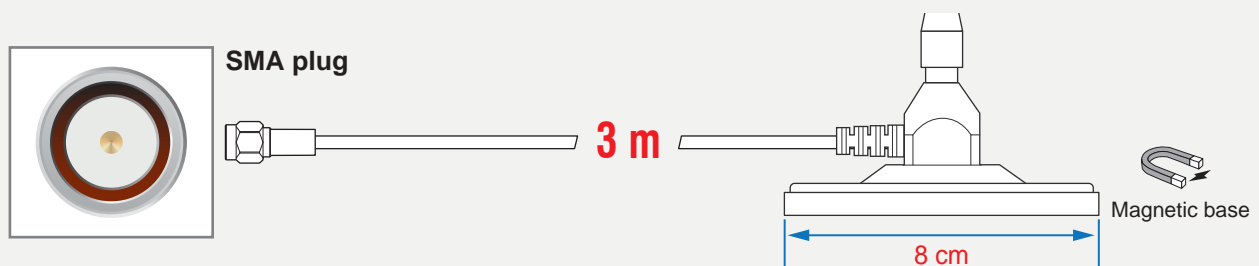

Operating temperature
-30 °C ~ 70 °C

LTE Antenna SMA plug 7 dBi fixed omnidirectional with magnetic base and connection cable

- RG-58**
- 7 dBi**
- 3 m**
- black**
- indoor & outdoor**



CE



Frequency range
700 MHz, 850 - 960 MHz
1710 - 2170 MHz
2400 - 2500 MHz
2600 - 2690 MHz



Gain
7 dBi



Impedance
50 Ω



VSWR
2.0



Polarisation
vertical



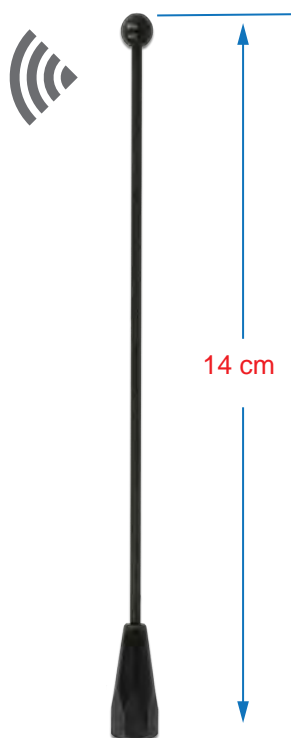
Operating temperature
-30 °C ~ 70 °C

TETRA Antenna 410 - 450 MHz M6 Inner thread 0 dBi omnidirectional fixed screw mounting

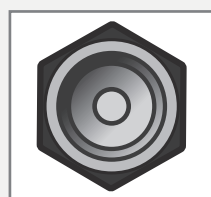
0 dBi

black

indoor & outdoor




CE



M6 Inner thread



Antenna base with M6 external thread Delock 12484



Frequency range
410 - 450 MHz



Gain
0 dBi




Impedance
50 Ω



VSWR
1.5



Polarisation
linear



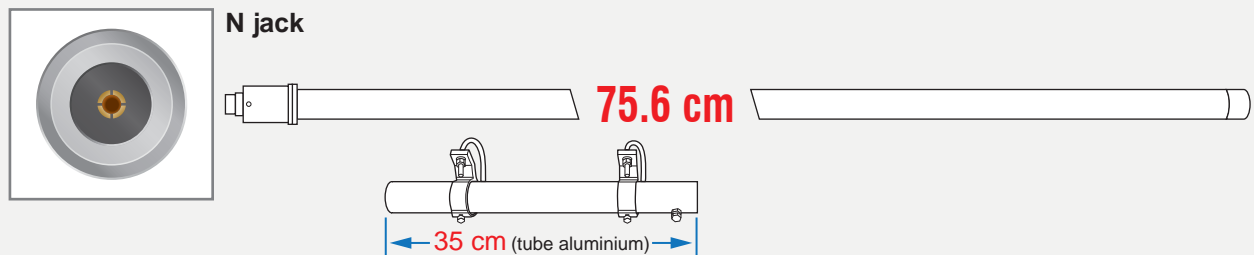
Operating temperature
-30 °C ~ 70 °C

GSM UMTS Antenna N jack 7 dBi omnidirectional fixed wall and pole mounting

- 7 dBi**
- white**
- indoor & outdoor**



CE



- 

Frequency range
824 - 960 MHz
1710 - 2170 MHz
- 

Gain
7 dBi
- 

Impedance
50 Ω
- 

VSWR
2.0
- 

Polarisation
vertical
- 

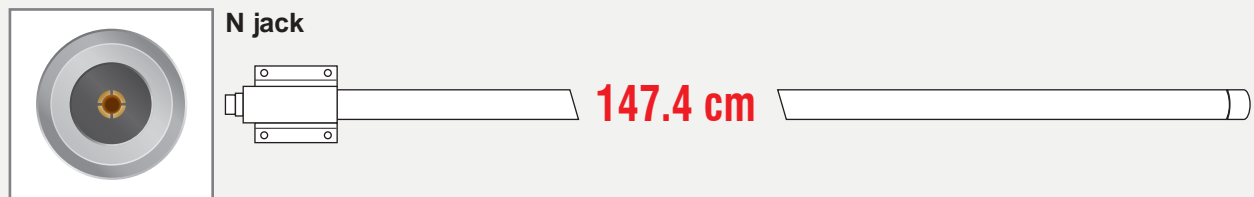
Operating temperature
-40 °C ~ 60 °C

LoRa 868 MHz Antenna N jack 8 dBi omnidirectional fixed wall and pole mounting

- 8 dBi**
- white**
- indoor & outdoor**



CE



- 
 Frequency range
860 - 870 MHz
- 
 Gain
8 dBi
- 
 Impedance
50 Ω
- 
 VSWR
1.5
- 
 Polarisation
vertical
- 
 Operating temperature
-40 °C ~ 60 °C

LoRa 915 MHz Antenna N jack 9 dBi omnidirectional fixed wall and pole mounting

- 9 dBi**
- white**
- indoor & outdoor**



CE



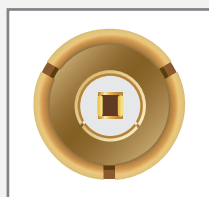
- 
 Frequency range
902 - 928 MHz
- 
 Gain
9 dBi
- 
 Impedance
50 Ω
- 
 VSWR
1.5
- 
 Polarisation
vertical
- 
 Operating temperature
-40 °C ~ 60 °C

WLAN 802.11 b/g/n Antenna MHF[®] I plug PIFA 805 internal

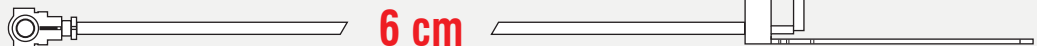
- 3 dBi**
- 6 cm**
- black**
- indoor**



CE



MHF[®] I plug



6 cm



Frequency range
2400 - 2500 MHz



Gain
3 dBi



Impedance
50 Ω



VSWR
2.0



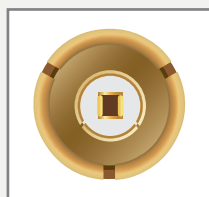
Operating temperature
-10 °C ~ 55 °C

WLAN 802.11 b/g/n Antenna MHF[®] I plug PIFA 803 internal

- 3 dBi**
- 7.5 cm**
- black**
- indoor**



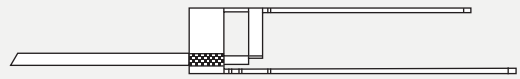
CE



MHF[®] I plug



7.5 cm



Frequency range
2400 - 2500 MHz



Gain
3 dBi



Impedance
50 Ω



VSWR
2.0



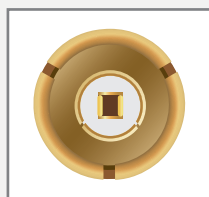
Operating temperature
-10 °C ~ 55 °C

WLAN 802.11 b/g/n Antenna MHF[®] I plug PIFA 701 internal

- 3 dBi**
- 20 cm**
- black**
- indoor**



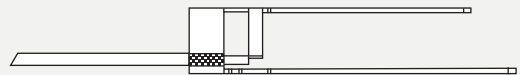
CE



MHF[®] I plug



20 cm



Frequency range
2400 - 2500 MHz



Gain
3 dBi



Impedance
50 Ω



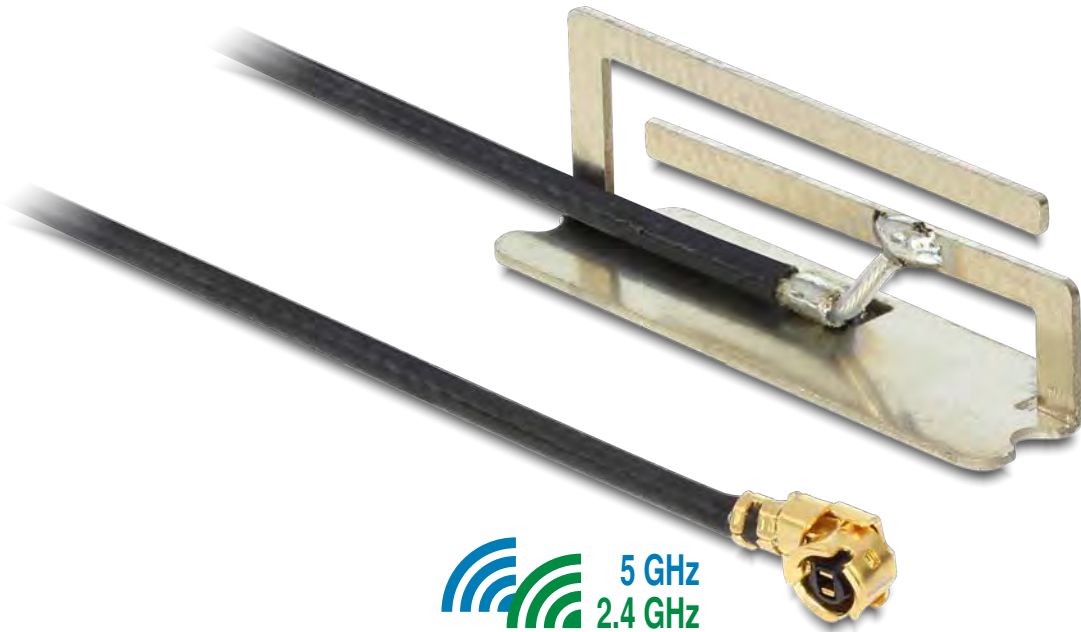
VSWR
2.0



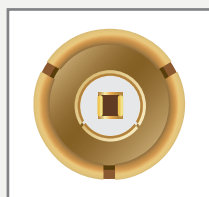
Operating temperature
-10 °C ~ 55 °C

WLAN 802.11 ac/a/h/b/g/n Antenna MHF[®] I plug PIFA internal

- 1.5 dBi**
- 13.4 cm**
- black**
- indoor**



CE



MHF[®] I plug



Frequency range
2400 - 2500 MHz
5150 - 5875 MHz



Gain
1.5 dBi



Impedance
50 Ω



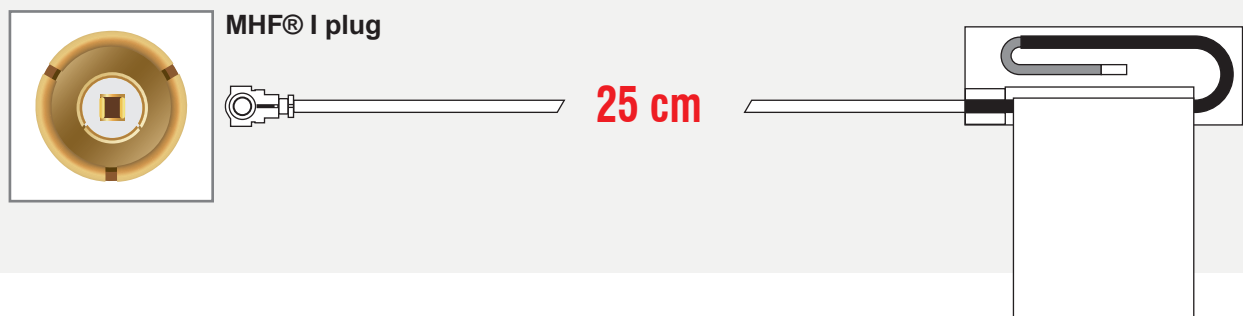
VSWR
2.5




Operating temperature
-10 °C ~ 55 °C

WLAN 802.11 ac/a/h/b/g/n Antenna MHF[®] I plug CCD internal

- 1.5 - 2.0 dBi**
- 25 cm**
- black**
- indoor**





Frequency range
2400 - 2500 MHz
5150 - 5850 MHz


Gain
1.5 - 2.0 dBi


Impedance
50 Ω


VSWR
2.5

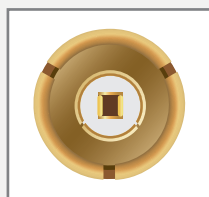

Operating temperature
-10 °C ~ 55 °C

WLAN 802.11 ac/a/h/b/g/n Antenna MHF[®] 4L plug CCD internal

- 1 dBi
- 25 cm
- black
- indoor



CE



MHF[®] 4L plug



Frequency range
2400 - 2500 MHz
5150 - 5850 MHz



Gain
1 dBi



Impedance
50 Ω



VSWR
2.5



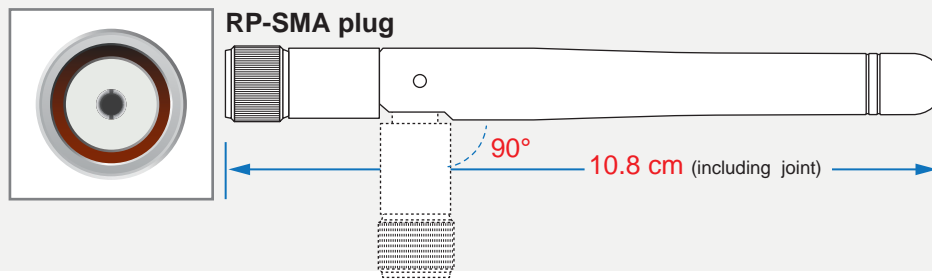
Operating temperature
-10 °C ~ 55 °C


WLAN 802.11 b/g/n Antenna RP-SMA plug 2 dBi omnidirectional with tilt joint

2 dBi
black



CE





Frequency range
2.4 GHz - 2.5 GHz


Gain
2 dBi


Impedance
50 Ω


Polarisation
linear, vertical

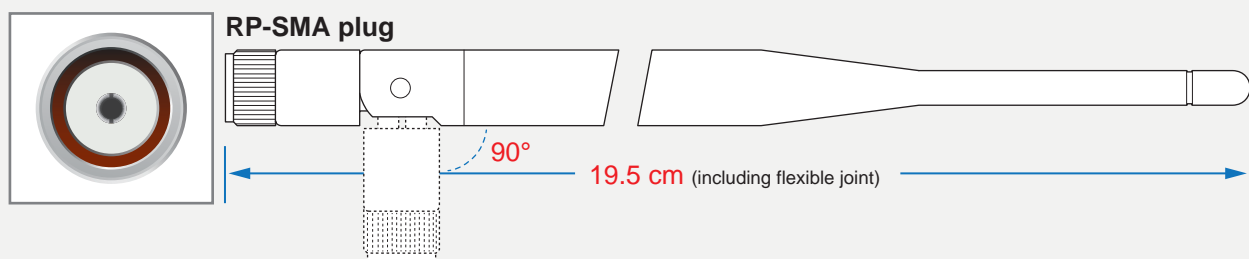

Operating temperature
-20 °C ~ 65 °C


WLAN 802.11 ac/a/b/g/n Antenna RP-SMA plug 4 - 5 dBi omnidirectional with tilt joint

4 - 5 dBi
black



CE





Frequency range
2.4000 - 2.4835 GHz
5.1500 - 5.7250 GHz


Gain
4 - 5 dBi


Impedance
50 Ω


VSWR
2.0


Polarisation
linear, vertical

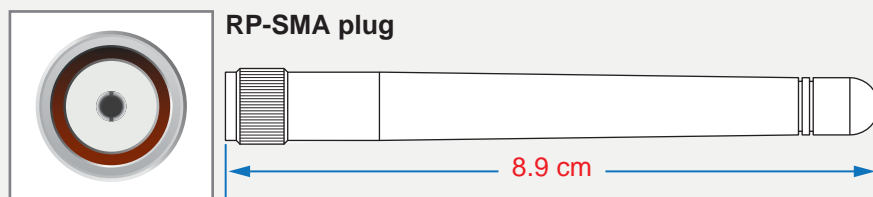

Operating temperature
-20 °C ~ 65 °C


WLAN 802.11 ac/a/b/g/n Antenna RP-SMA plug 3 dBi fixed omnidirectional waterproof

- 3 dBi**
- black**
- waterproof**



CE





Frequency range
2.4000 - 2.4835 GHz
5.1500 - 5.7250 GHz


Gain
2.4 dBi @ 2.4 GHz
3.3 dBi @ 5.7 GHz


Impedance
50 Ω


VSWR
2.0 max

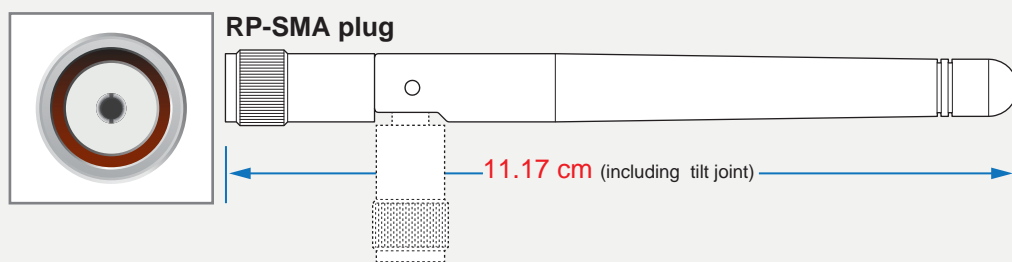

Operating temperature
-20 °C ~ 65 °C


WLAN 802.11 ac/a/b/g/n Antenna RP-SMA plug 2 dBi omnidirectional with tilt joint

2 dBi
black



CE





Frequency range
2.400 - 2.500 GHz
5.150 - 5.875 GHz


Gain
2 dBi


Impedance
50 Ω


VSWR
2.0


Polarisation
linear, vertical

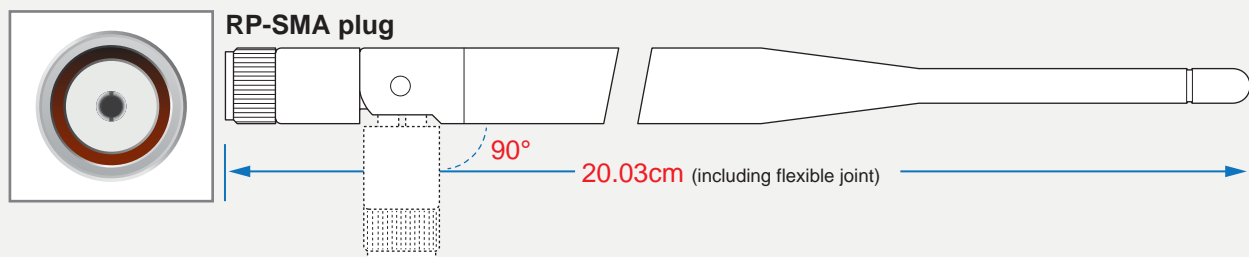

Operating temperature
-10 °C ~ 55 °C

WLAN 802.11 b/g/n Antenna RP-SMA plug 5 dBi omnidirectional with tilt joint

5 dBi
black



CE



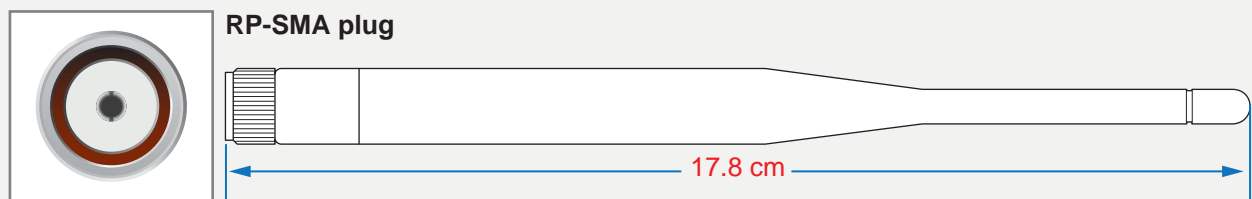
- 
 Frequency range
2.400 - 2.500 GHz
- 
 Gain
5 dBi
- 
 Impedance
50 Ω
- 
 VSWR
2.0
- 
 Polarisation
linear, vertical
- 
 Operating temperature
-10 °C ~ 55 °C

WLAN 802.11 ac/a/b/g/n Antenna RP-SMA plug 2 dBi fixed omnidirectional waterproof

- 2 dBi**
- black**
- waterproof**



CE



- 

Frequency range
2.4000 - 2.4835 GHz
5.1500 - 5.8250 GHz
- 

Gain
2 dBi
- 

Impedance
50 Ω
- 

VSWR
2.0
- 

Polarisation
vertical
- 

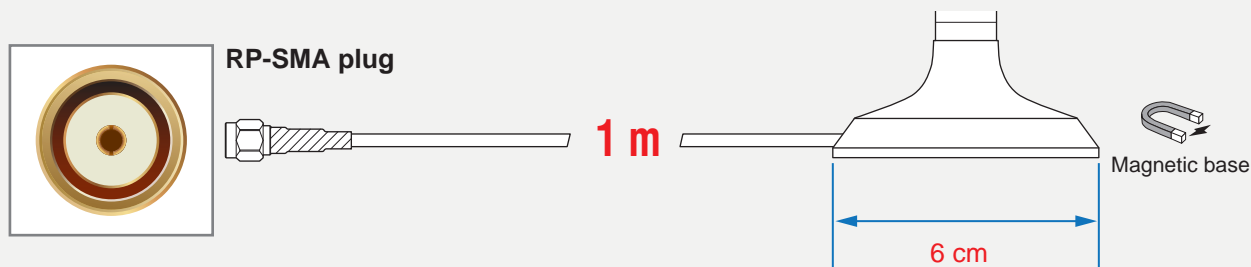
Operating temperature
-20 °C ~ 65 °C


WLAN 802.11 b/g/n Antenna RP-SMA plug 6.5 dBi omnidirectional joint with magnetic stand

- 6.5 dBi**
- 1 m**
- black**
- 3 tilt stages**




CE




Frequency range
2.4 GHz - 2.5 GHz


Gain
6.5 dBi


Impedance
50 Ω

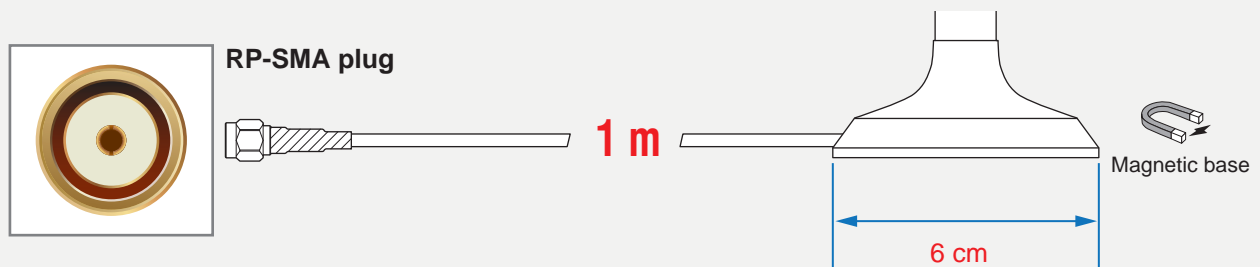

Operating temperature
-10°C ~ 55°C


WLAN 802.11 b/g/n Antenna RP-SMA plug 4 dBi flexible omnidirectional joint with magnetic stand

- 4 dBi**
- 1 m**
- black**
- 3 tilt stages**




CE




Frequency range
2.4 GHz - 2.5 GHz


Gain
4 dBi


Impedance
50 Ω


Operating temperature
-10°C ~ 55°C

GSM / UMTS Antenna SMA plug

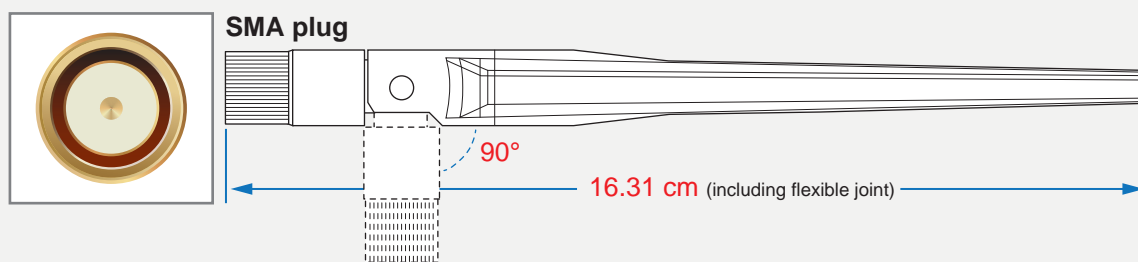
1.0 - 3.5 dBi omnidirectional with tilt joint

1.0 - 3.5 dBi

black



CE



Frequency range
824 - 960 MHz
1710 - 2170 MHz



Gain
1.0 - 3.5 dBi



Impedance
50 Ω



VSWR
4.0



Polarisation
linear, vertical



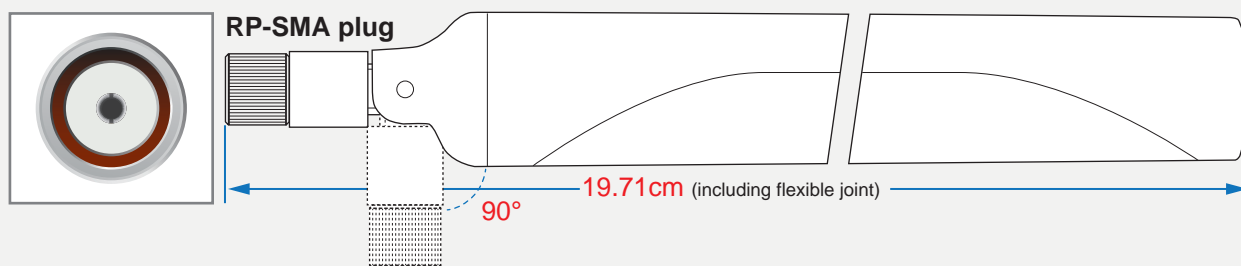
Operating temperature
-10 °C ~ 55 °C

LTE Antenna RP-SMA plug -0.9 - 2.3 dBi omnidirectional with tilt joint

-0.9 - 2.3 dBi
black



CE



Frequency range
790 - 870 MHz
1710 - 1880 MHz
1920 - 2170 MHz
2400 - 2700 MHz



Gain
-0.9 - 2.3 dBi



Impedance
50 Ω



VSWR
4.0



Polarisation
linear, vertical



Operating temperature
-10 °C ~ 55 °C

LTE Antenna SMA plug

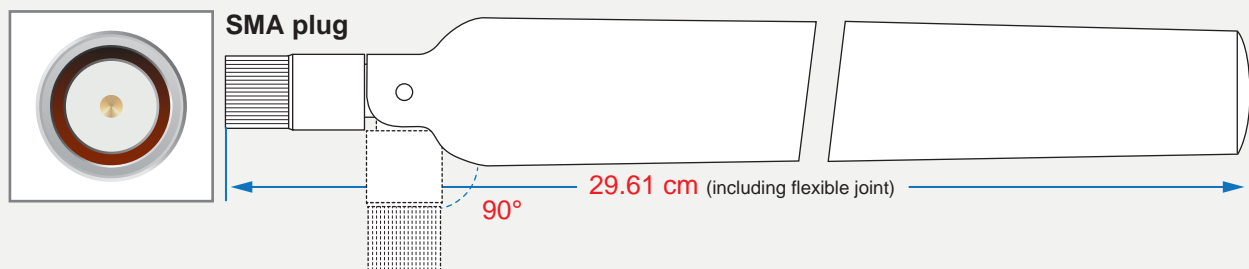
0.1 - 4.5 dBi omnidirectional with tilt joint

0.1 - 4.5 dBi

black



CE



Frequency range
791 - 894 MHz
1920 - 2170 MHz



Gain
0.1 - 4.5 dBi



Impedance
50 Ω



VSWR
3.0



Polarisation
linear, vertical



Operating temperature
-10 °C ~ 55 °C

Antenna base RP-SMA jack > RP-SMA plug

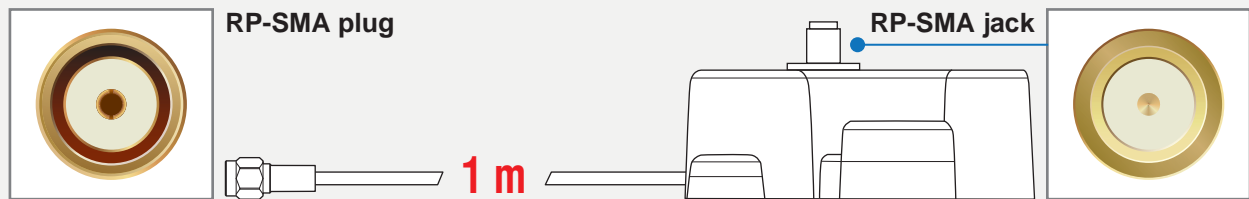
RG-174

1 m

black



CE



Operating temperature
-10°C ~ 55°C



ABS
UV resistant

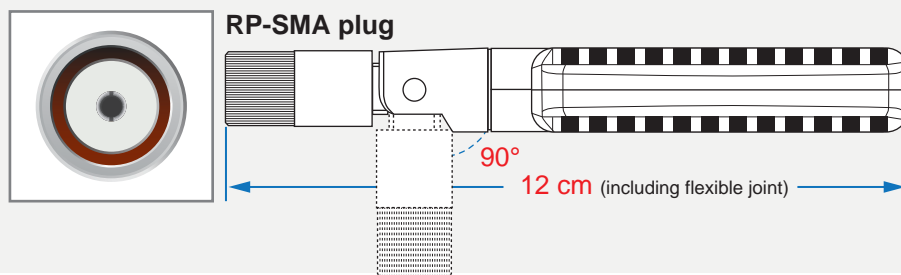
WLAN 802.11 ac/a/b/g/n Antenna RP-SMA plug 5 ~ 7 dBi directional with tilt joint


5 - 7 dBi

black



CE





Frequency range
2.400 - 2.500 GHz
5.100 - 5.875 GHz


Gain
5 - 7 dBi


Impedance
50 Ω


VSWR
2.0


Polarisation
vertical

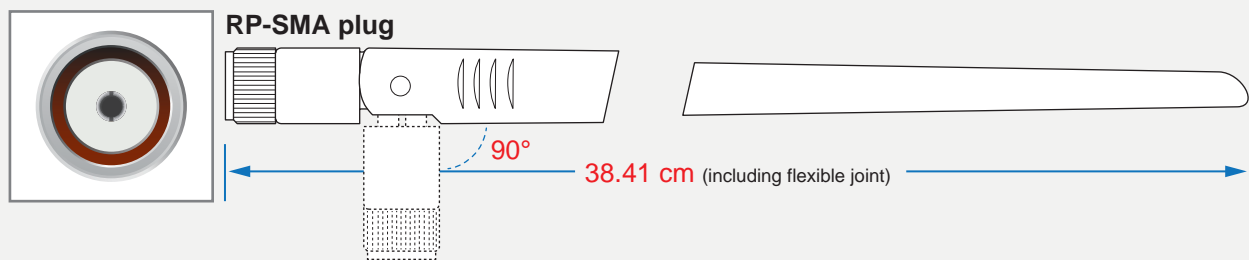

Operating temperature
- 10 °C ~ 55 °C


WLAN 802.11 b/g/n Antenna RP-SMA plug 9 dBi omnidirectional with tilt joint

9 dBi
black



CE





Frequency range
2.400 - 2.500 GHz


Gain
9 dBi


Impedance
50 Ω


VSWR
2.0


Polarisation
linear, vertical


Operating temperature
-10 °C ~ 55 °C

LTE Antenna SMA plug

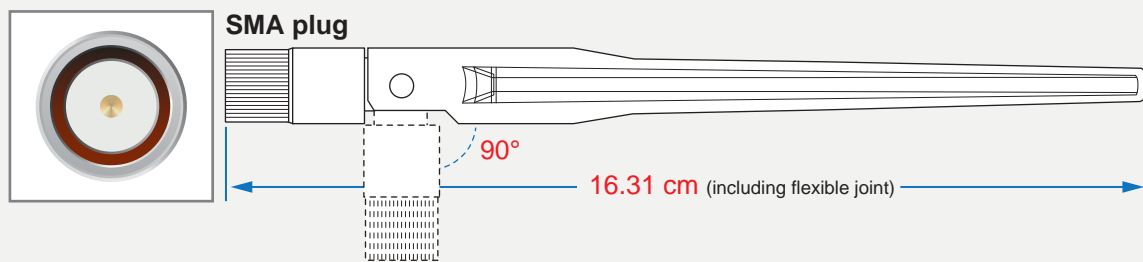
1 - 4 dBi omnidirectional with tilt joint

1 - 4 dBi

black



CE



Frequency range
790 - 960 MHz
1710 - 2170 MHz
2570 - 2620 MHz



Gain
1 - 4 dBi



Impedance
50 Ω



VSWR
4.0



Polarisation
linear, vertical



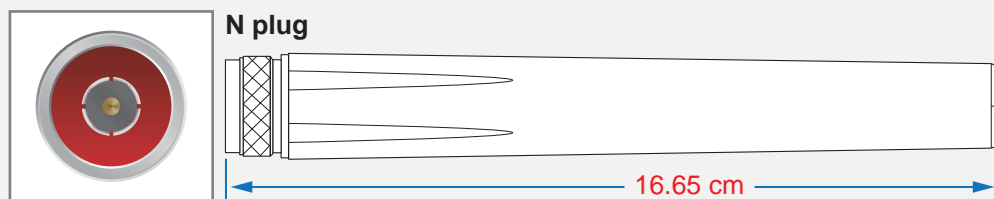
Operating temperature
-10 °C ~ 55 °C

WLAN 802.11 b/g/n Antenna N plug 5 dBi fixed omnidirectional

- 5 dBi**
- white**
- outdoor**



CE



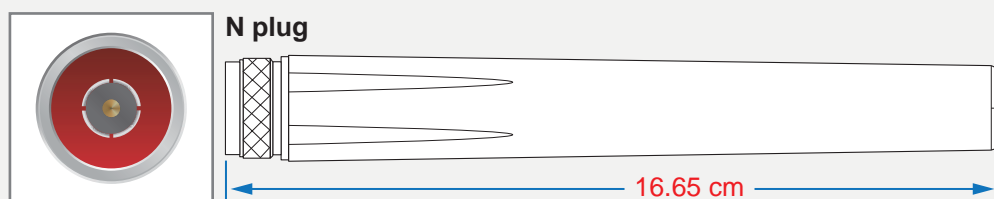
- 
 Frequency range
2.4 GHz - 2.5 GHz
- 
 Gain
5 dBi
- 
 Impedance
50 Ω
- 
 VSWR
2.0
- 
 Polarisation
linear, vertical
- 
 Operating temperature
- 40 °C ~ 70 °C
- 
 Protection class
IP67

GSM / UMTS Antenna N plug 2.5 dBi fixed omnidirectional

- 2.5 dBi**
- white**
- outdoor**



CE



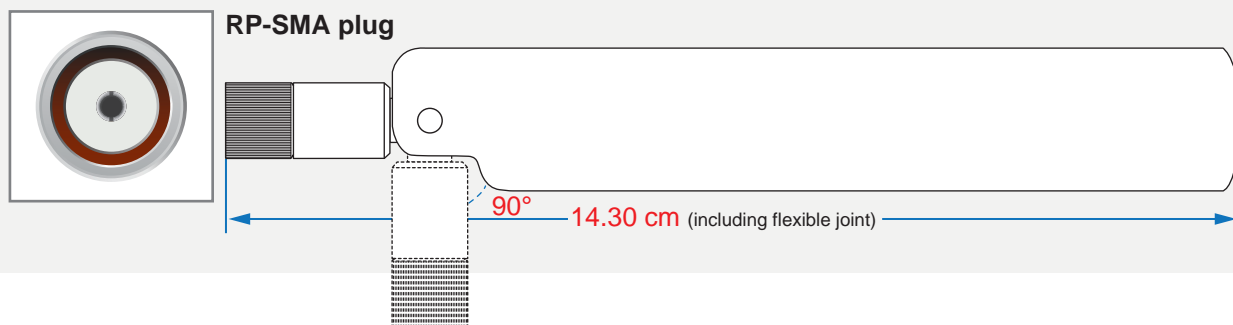
- 
 Frequency range
 825 - 960 MHz
 1710 - 2170 MHz
- 
 Gain
 2.5 dBi
- 
 Impedance
 50 Ω
- 
 VSWR
 2.5
- 
 Polarisation
 linear, vertical
- 
 Operating temperature
 - 40 °C ~ 80 °C
- 
 Protection class
 IP67


WLAN 802.11 ac/a/b/g/n Antenna RP-SMA plug 2 - 5 dBi omnidirectional with tilt joint

2 - 5 dBi
white



CE





Frequency range
2.400 - 2.500 GHz
5.100 - 5.875 GHz


Gain
2 - 5 dBi


Impedance
50 Ω


VSWR
2.0


Polarisation
linear, vertical

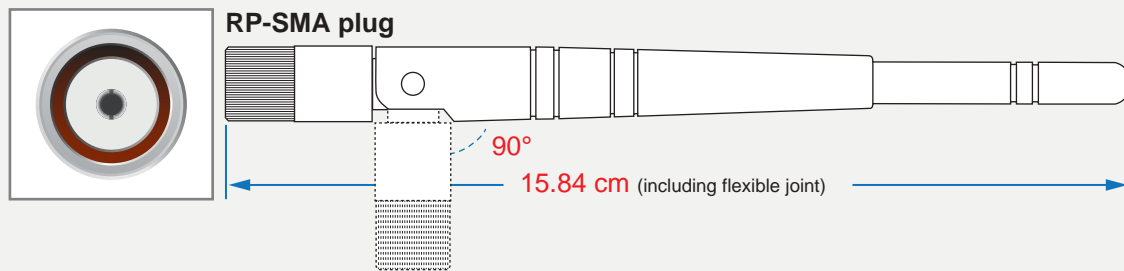

Operating temperature
-10 °C ~ 55 °C

WLAN 802.11 ac/a/h/b/g/n Antenna RP-SMA plug 3 dBi omnidirectional with tilt joint

3 dBi
black



CE



Frequency range
2.400 - 2.500 GHz
5.150 - 5.875 GHz



Gain
3 dBi



Impedance
50 Ω



VSWR
2.0



Polarisation
linear, vertical

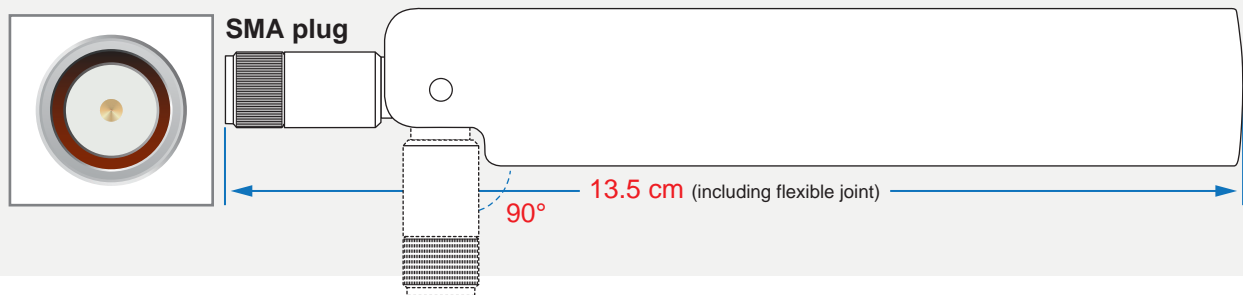


Operating temperature
-10 °C ~ 55 °C

LTE Antenna SMA plug

-0.8 ~ 3.0 dBi omnidirectional with flexible joint

- 0.8 - 3.0 dBi**
- black**
- indoor**



Frequency range
1920 ~ 2170 MHz, 1710 ~ 1880 MHz,
2500 ~ 2690 MHz, 880 ~ 960 MHz,
746 ~ 787 MHz, 704 ~ 746 MHz,
791 ~ 862 MHz



Gain
-0.8 - 3.0 dBi



Impedance
50 Ω



Polarisation
linear, vertical



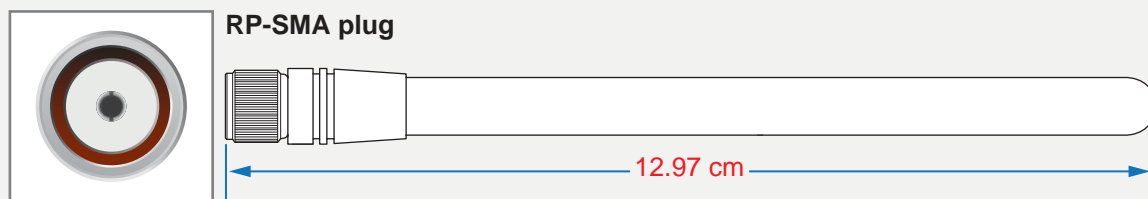
Operating temperature
-10 °C ~ 55 °C

ZigBee 868 MHz Antenna RP-SMA plug 2 dBi fixed omnidirectional

2 dBi
black



CE



Frequency range
868 MHz



Gain
2 dBi



Impedance
50 Ω



VSWR
2.0



Polarisation
linear, vertical



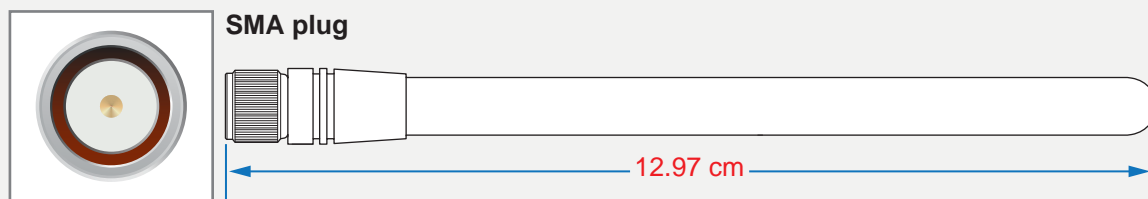
Operating temperature
-10 °C ~ 75 °C

ZigBee 868 MHz Antenna SMA plug 2 dBi fixed omnidirectional

2 dBi
black



CE



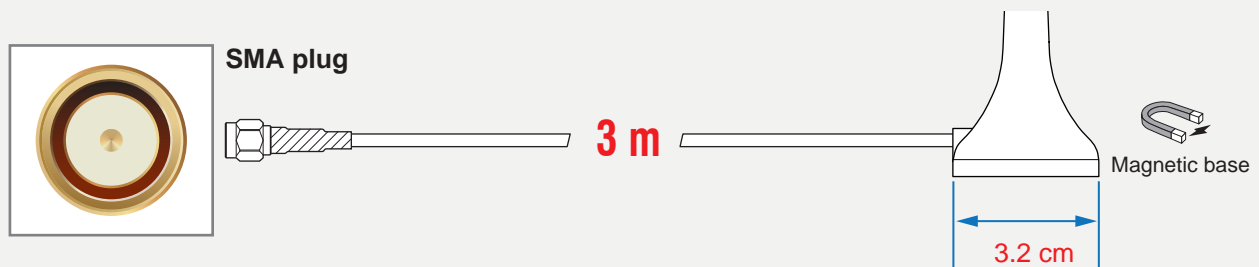
- 
 Frequency range
868 MHz
- 
 Gain
2 dBi
- 
 Impedance
50 Ω
- 
 VSWR
2.0
- 
 Polarisation
linear, vertical
- 
 Operating temperature
-10 °C ~ 75 °C

GSM UMTS Sixband Antenna SMA plug 0 dBi fixed omnidirectional with magnetic base

- RG-174**
- 0 dBi**
- 3 m**
- black**
- indoor**



CE



Frequency range
824 - 960 /
1710 - 1990 - 2200 /
2400 MHz



Gain
0 dBi



Impedance
50 Ω



VSWR
2.0



Polarisation
linear vertical



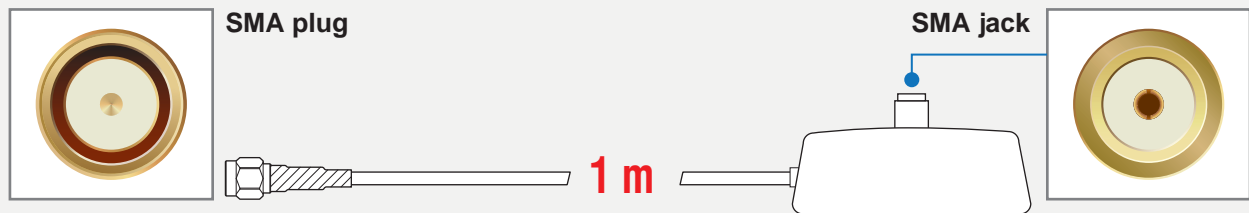
Operating temperature
-10 °C ~ 75 °C

Antenna base SMA plug > SMA jack LTE MIMO low loss

- 1.4 - 2.3 dB**
- 1 m**
- black**



CE



Cable attenuation
1,40 dB @ 2.5 GHz
2,30 dB @ 5.8 GHz



Operating temperature
-10°C ~ 55°C



ABS
UV resistant

GSM Quadband Antenna FME jack

2 dBi 90° fixed omnidirectional


2 dBi


black



CE





GSM Frequency range
850/900/1800/
1900 MHz


LTE Frequency range
Band 20, 832 ~ 862 +
791 ~ 821 MHz


Gain
2 dBi


Impedance
50 Ω


VSWR
2.0 max.

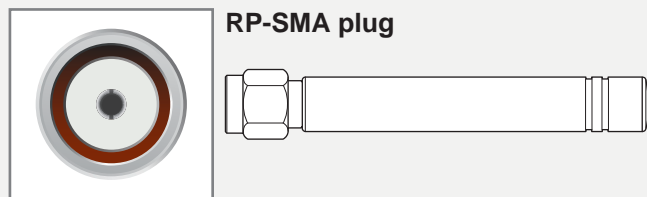

Operating temperature
-20 °C - 60 °C


GSM Quadband Antenna RP-SMA plug 2 dBi fixed omnidirectional


2 dBi
black



CE





GSM Frequency range
850/900/1800/
1900 MHz


LTE Frequency range
Band 20, 832 ~ 862 +
791 ~ 821 MHz


Gain
2 dBi


Impedance
50 Ω


VSWR
2.0 max.

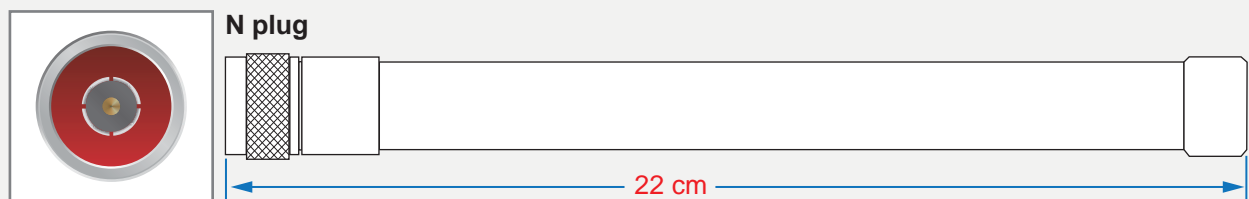

Operating temperature
-20 °C - 60 °C

WLAN 802.11 ac/a/b/g/n Antenna N plug 4.5 - 7.0 dBi fixed omnidirectional

- 4.5 - 7.0 dBi**
- white**
- outdoor**



CE



- 

Frequency range
2.400 - 2.500 GHz
5.150 - 5.875 GHz
- 

Gain
4.5 - 7.0 dBi
- 

Impedance
50 Ω
- 

VSWR
2.0
- 

Polarisation
linear, vertical
- 

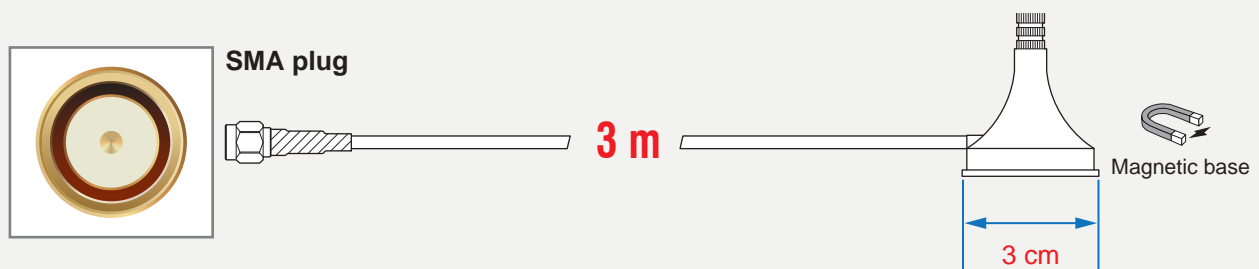
Operating temperature
-10 °C ~ 55 °C

ISM 433 MHz Antenna SMA plug 3 dBi fixed omnidirectional with magnetic base and connection cable

- RG-174**
- 3 dBi**
- 3 m**
- black**
- indoor & outdoor**



CE



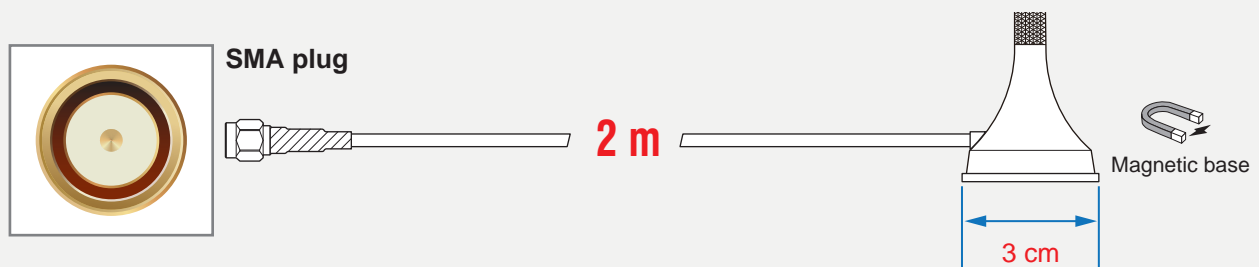
- 
 Frequency range
433 MHz
- 
 Gain
3 dBi
- 
 Impedance
50 Ω
- 
 VSWR
2.0
- 
 Polarisation
linear, vertical
- 
 Operating temperature
-10 °C ~ 75 °C


GSM / UMTS Antenna SMA plug 3 dBi fixed omnidirectional with magnetic base and connection cable

- RG-174**
- 3 dBi**
- 2 m**
- black**
- indoor & outdoor**



CE





 Frequency range
 824 - 960 MHz
 1920 - 2170 MHz


 Gain
 3 dBi


 Impedance
 50 Ω

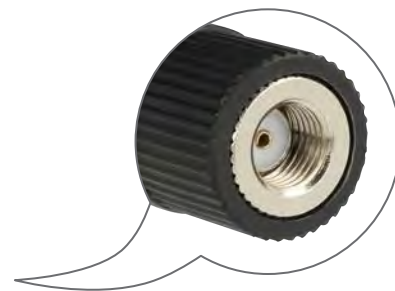

 VSWR
 2.0


 Polarisation
 linear, vertical

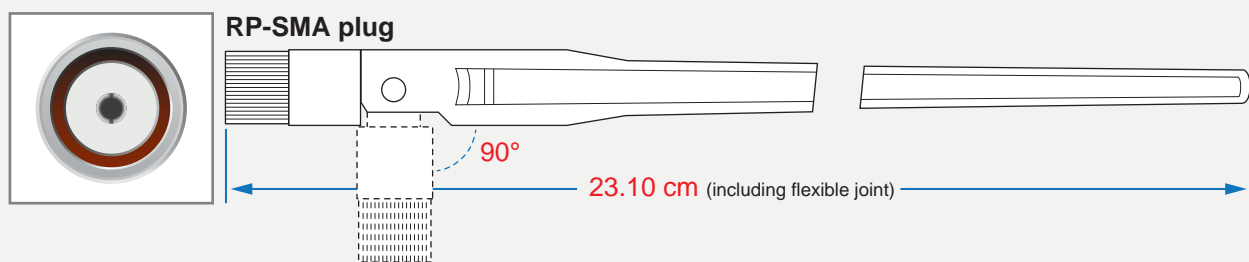

 Operating temperature
 -10 °C ~ 75 °C


WLAN 802.11 ac/a/h/b/g/n Antenna RP-SMA plug 5 - 7 dBi omnidirectional with tilt joint

5 - 7 dBi
black



CE





Frequency range
2.400 - 2.500 GHz
5.150 - 5.875 GHz


Gain
5 - 7 dBi


Impedance
50 Ω


VSWR
2.0


Polarisation
linear, vertical

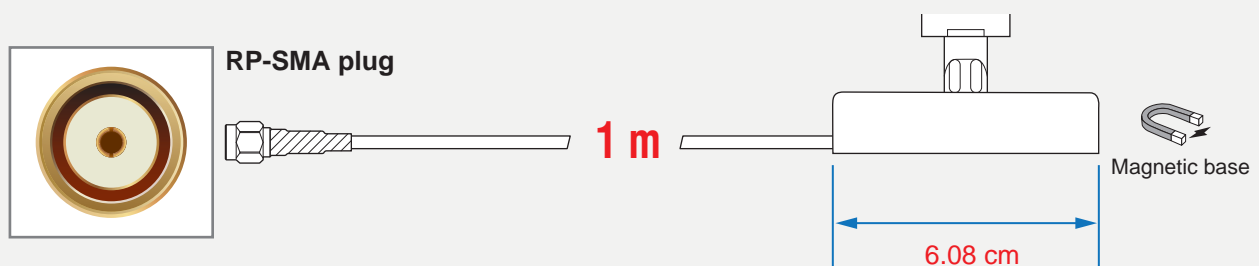

Operating temperature
-10 °C ~ 55 °C


WLAN 802.11 ac/a/h/b/g/n Antenna RP-SMA plug 4 - 6 dBi omnidirectional with magnetic base and connection cable

4 - 6 dBi
black



CE





Frequency range
2.400 - 2.500 GHz
5.150 - 5.875 GHz


Gain
4 - 6 dBi


Impedance
50 Ω


VSWR
2.0


Polarisation
linear, vertical

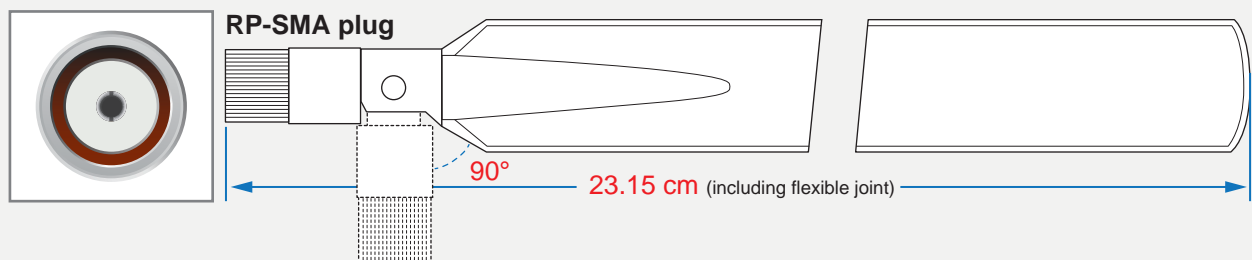

Operating temperature
-10 °C ~ 55 °C


WLAN 802.11 ac/a/h/b/g/n Antenna RP-SMA plug 5 - 7 dBi omnidirectional rotatable with tilt joint

5 - 7 dBi
black



CE





Frequency range
2.400 - 2.500 GHz
5.150 - 5.875 GHz


Gain
5 - 7 dBi


Impedance
50 Ω


VSWR
2.5


Polarisation
linear, vertical


Operating temperature
-10 °C ~ 55 °C

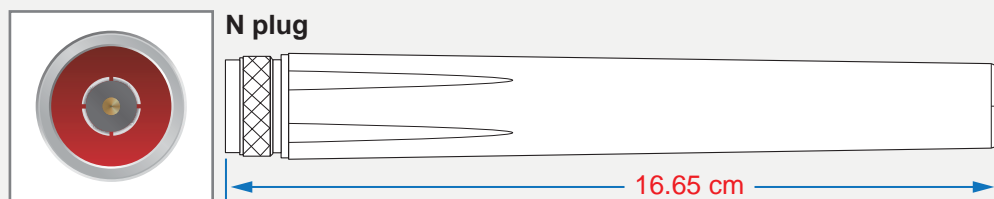
LTE Antenna N plug

2.5 dBi fixed omnidirectional

- 0.5 - 2.5 dBi**
- white**
- indoor & outdoor**



CE



Frequency range
698-791 / 824-960 /
1710-2170 / 2500-2700 MHz



Gain
0.5 ~ 2.5 dBi



Impedance
50 Ω



VSWR
3.5:1 max.



Operating temperature
- 40°C ~ 70°C

WLAN 802.11 ac/a/h/b/g/n Twin Antenna

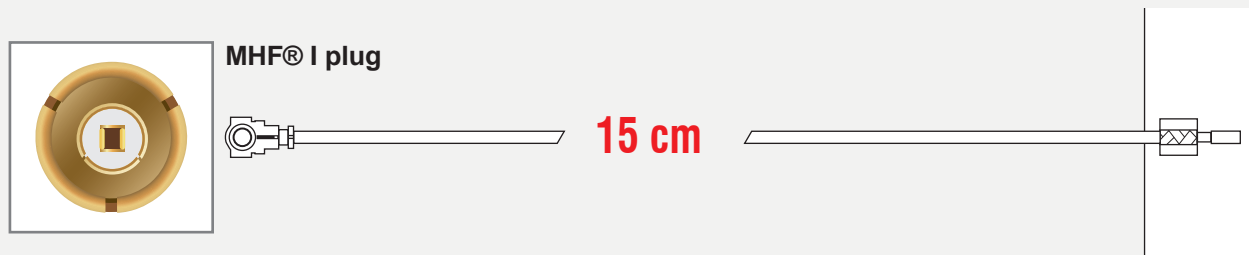
2 x MHF[®] I plug 5 dBi


PCB internal self adhesive

- 5 dBi**
- 15 cm**
- black**
- indoor**



CE





 Frequency range
 2400 - 2500 MHz
 5150 - 5850 MHz


 Gain
 5 dBi


 Impedance
 50 Ω


 VSWR
 2.0


 Polarisation
 linear, vertical


 Operating temperature
 -10 °C ~ 55 °C

GSM / UMTS Antenna SMA plug

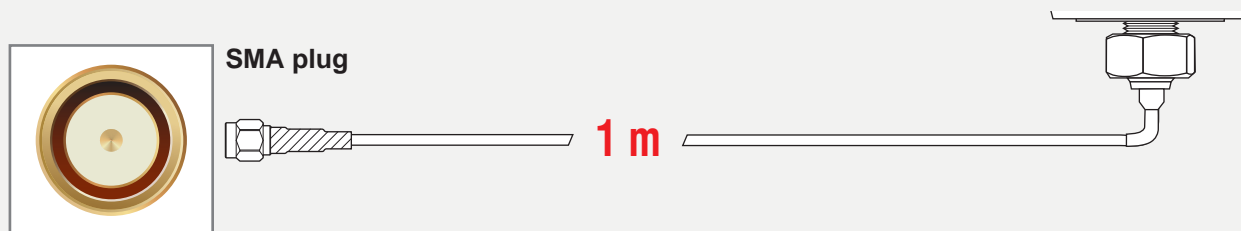
0.7 - 1.6 dBi fixed omnidirectional with ULA100 connection cable


0.7 - 1.6 dBi

1 m

white

outdoor





Frequency range
824 - 960 MHz
1710 - 2170 MHz


Gain
0.7 dBi - 1.6 dBi


Impedance
50 Ω


VSWR
4.0 @ 824 - 960 MHz
2.5 @ 1710 - 2170 MHz


Polarisation
linear, vertical


Operating temperature
-10 °C ~ 50 °C

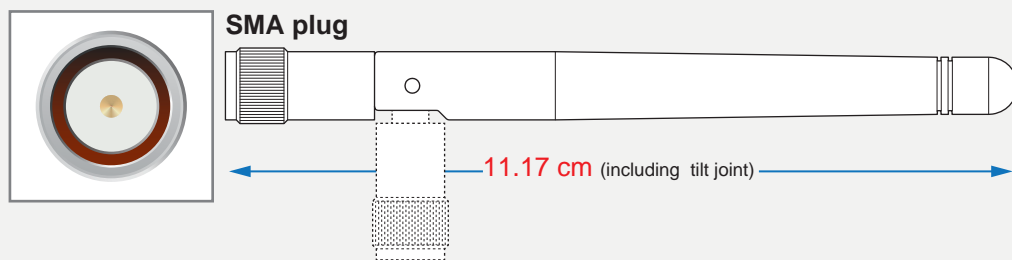

Protection class
IP67


WLAN 802.11 ac/a/b/g/n Antenna SMA plug 2 dBi omnidirectional with tilt joint

2 dBi
black



CE





Frequency range
2.400 - 2.500 GHz
5.150 - 5.875 GHz


Gain
2 dBi


Impedance
50 Ω


VSWR
2.0


Polarisation
linear, vertical

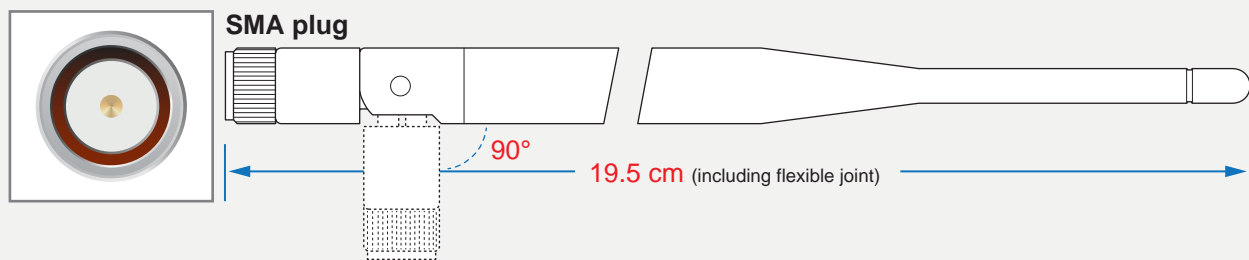

Operating temperature
-10 °C ~ 55 °C


WLAN Antenna 802.11 ac/a/b/g/n SMA plug 4 - 5 dBi omnidirectional with tilt joint

4 - 5 dBi
black



CE





Frequency range
2.4000 ~ 2.4835 GHz
5.1500 ~ 5.7250 GHz


Gain
4 - 5 dBi

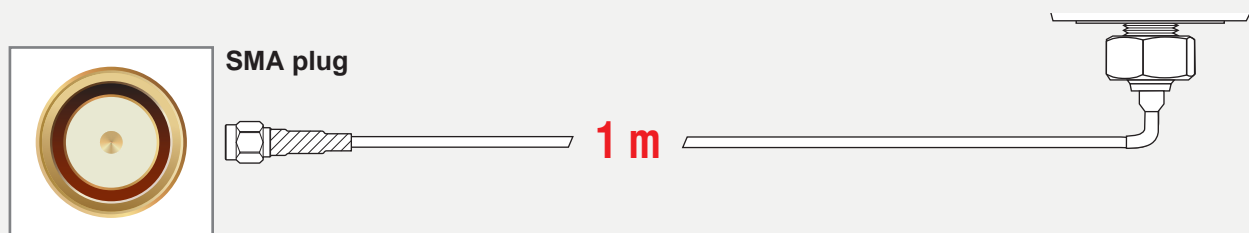

Impedance
50 Ω



VSWR
2.0 max.



Operating temperature
-20 °C ~ 65 °C

WLAN 802.11 ac/a/h/b/g/n Antenna SMA plug 1.4 - 3.0 dBi omnidirectional with ULA100 connection cable

- 1.4 - 3.0 dBi**
- 1 m**
- white**
- outdoor**





Frequency range
2400 - 2500 MHz
5150 - 5875 MHz


Gain
1.4 - 3.0 dBi


Impedance
50 Ω


VSWR
2.0


Polarisation
linear, vertical


Operating temperature
- 40 °C ~ 85 °C

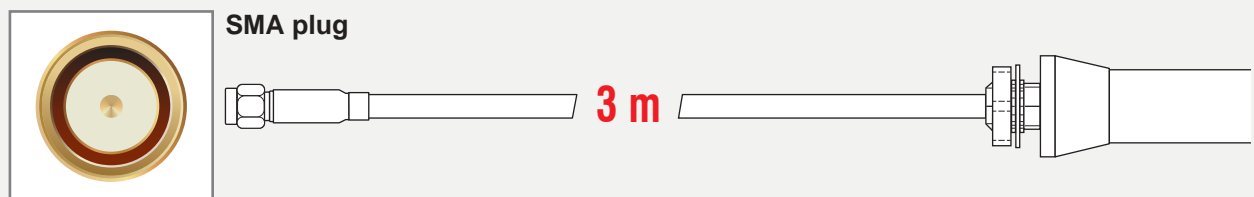

Protection class
IP67

LTE UMTS GSM Antenna SMA plug omnidirectional fixed with connection cable wall mounting

- RG-58**
- 3 dBi**
- 3 m**
- black**
- indoor & outdoor**



CE



Frequency range
690 - 960 MHz
1710 - 2170 MHz
2400 - 2700 MHz



Gain
3 dBi



Impedance
50 Ω



VSWR
2.0



Polarisation
vertical



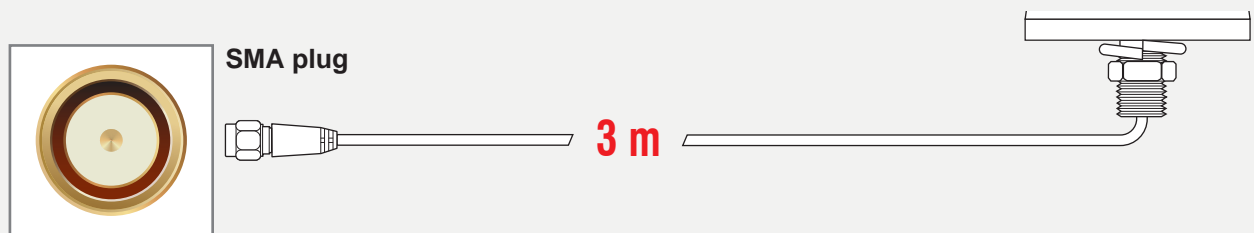
Operating temperature
-30 °C ~ 70 °C

WLAN 802.11 b/g/n Antenna SMA plug omnidirectional with connection cable roof mounting

- RG-174**
- 3 dBi**
- 3 m**
- black**
- outdoor**



CE



- 
Frequency range
2.4 GHz - 2.5 GHz
- 
Gain
3 dBi
- 
Impedance
50 Ω
- 
VSWR
2.0
- 
Polarisation
linear, vertical
- 
Operating temperature
-30 °C ~ 70 °C
- 
Protection class
IP67

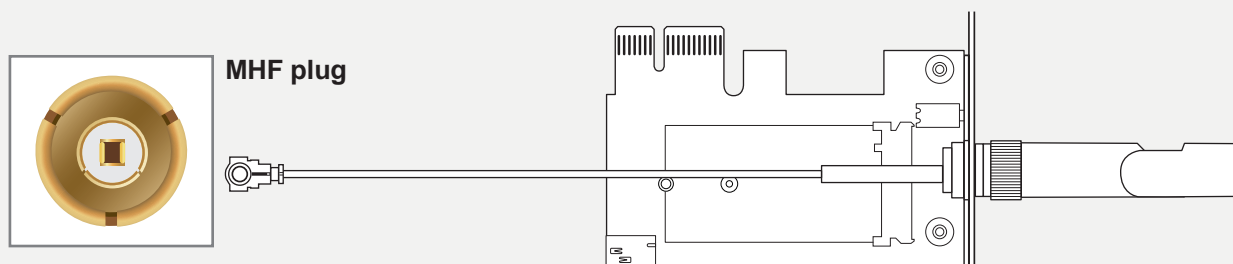
PCI Express Card > 1 x internal M.2 Key A Slot with 3 external Antennas – Low Profile Form Factor

Suitable for M.2 modules in format: 3042, 3030, 2242 and 2230 with key A or key A+E based on PCIe and USB
OS independent, no driver installation necessary

2 dBi
M.2



CE



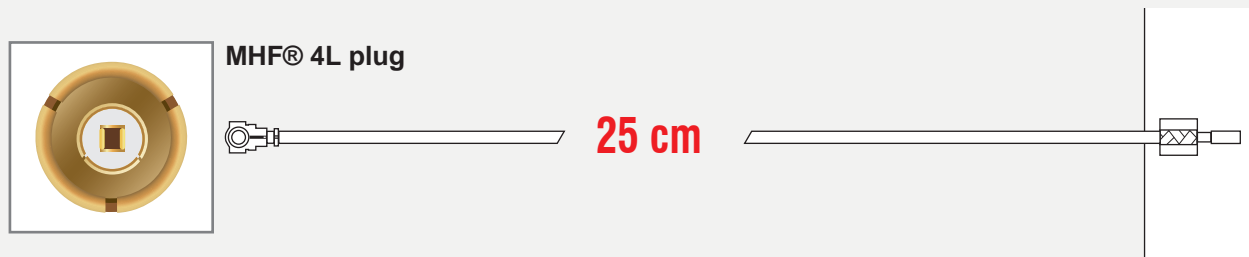
- 
 Frequency range
2.4 GHz and 5 GHz
- 
 Gain
2 dBi
- 
 Impedance
50 Ω
- 
 VSWR
2.0
- 
 Polarisation
linear
- 
 LED indicator
x 2
- 
 Interface
PCIe + USB


WLAN 802.11 ac/a/h/b/g/n Double Antenna

2 x MHF[®] 4L plug 3 - 5 dBi

PCB internal self adhesive

- 3 - 5 dBi**
- 25 cm**
- black**
- indoor**





 Frequency range
 2400 - 2500 MHz
 5150 - 5850 MHz


 Gain
 3 - 5 dBi


 Impedance
 50 Ω


 VSWR
 2.0


 Polarisation
 linear, vertical


 Operating temperature
 -10 °C ~ 55 °C

LTE Antenna SMA plug

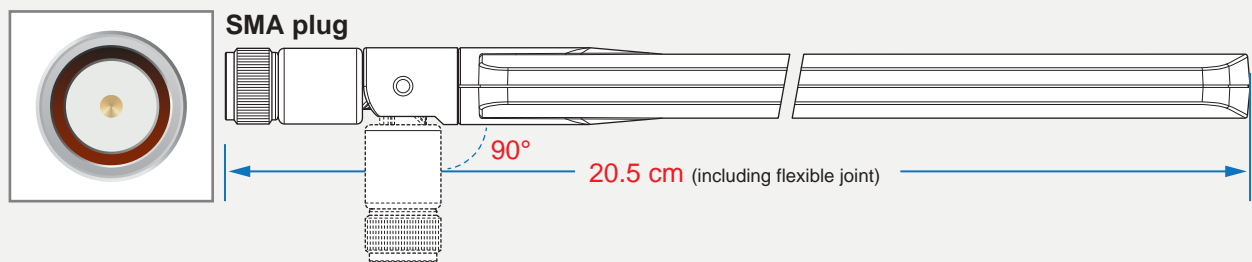
2 dBi omnidirectional rotatable with tilt joint

2 dBi

black



CE



Frequency range
698 - 960 MHz
1710 - 2690 MHz



Gain
2 dBi



Impedance
50 Ω



VSWR
4.5 (698 - 960 MHz)
3.5 (1710 - 2690 MHz)



Polarisation
linear, vertical



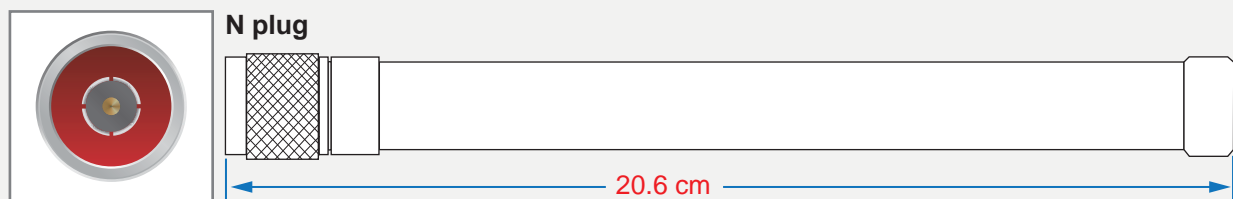
Operating temperature
-20 °C ~ 65 °C

LoRa 868 MHz Antenna N plug 1.89 dBi fixed omnidirectional

- 1.89 dBi**
- white**
- indoor & outdoor**



CE



Frequency range
868 MHz



Gain
1.89 dBi



Impedance
50 Ω



VSWR
2.5



Polarisation
vertical



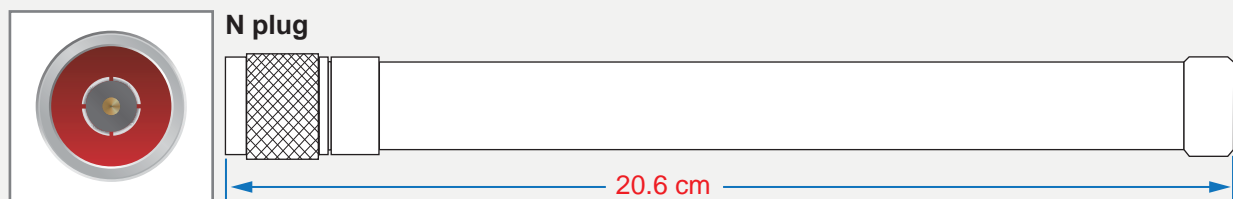
Operating temperature
-20 °C ~ 60 °C

433 MHz Antenna N plug 1.32 dBi fixed omnidirectional

- 1.32 dBi**
- white**
- indoor & outdoor**



CE



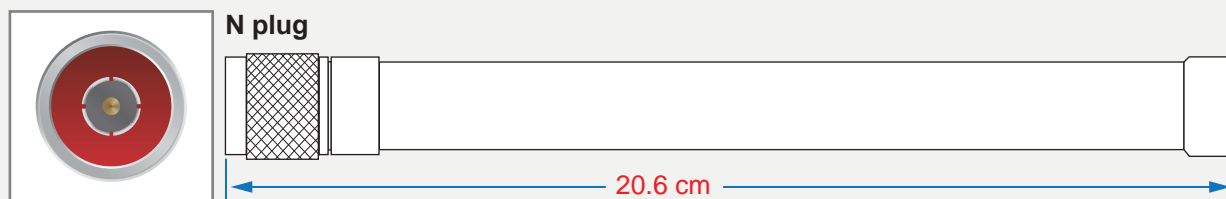
- 
 Frequency range
433 MHz
- 
 Gain
1.32 dBi
- 
 Impedance
50 Ω
- 
 VSWR
2.5
- 
 Polarisation
vertical
- 
 Operating temperature
-20 °C ~ 60 °C

LoRa 915 MHz Antenna N plug 2.13 dBi fixed omnidirectional

- 2.13 dBi**
- white**
- indoor & outdoor**



CE



Frequency range
915 MHz



Gain
2.13 dBi



Impedance
50 Ω



VSWR
2.5



Polarisation
vertical



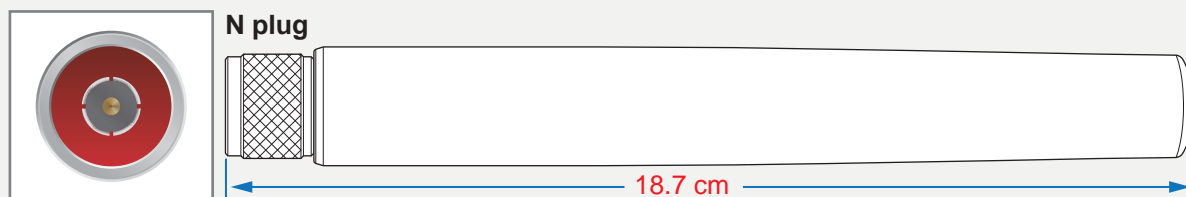
Operating temperature
-20 °C ~ 60 °C

LoRa 915 MHz Antenna N plug 2.24 dBi fixed omnidirectional

- 2.24 dBi**
- white**
- indoor & outdoor**



CE



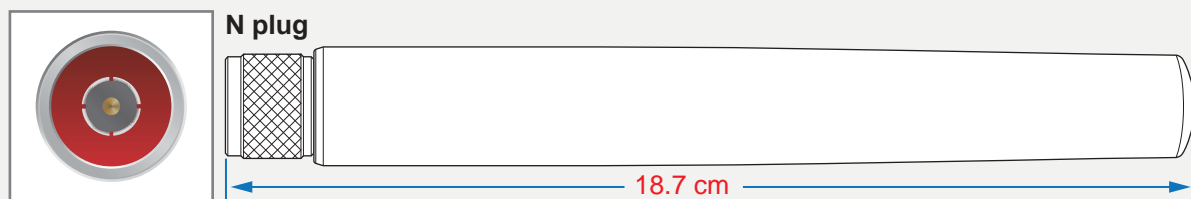
- 
 Frequency range
915 MHz
- 
 Gain
2.24 dBi
- 
 Impedance
50 Ω
- 
 VSWR
2.5
- 
 Polarisation
vertical
- 
 Operating temperature
-40 °C ~ 70 °C

LoRa 868 MHz Antenna N plug 2.09 dBi fixed omnidirectional

- 2.09 dBi**
- white**
- indoor & outdoor**



CE



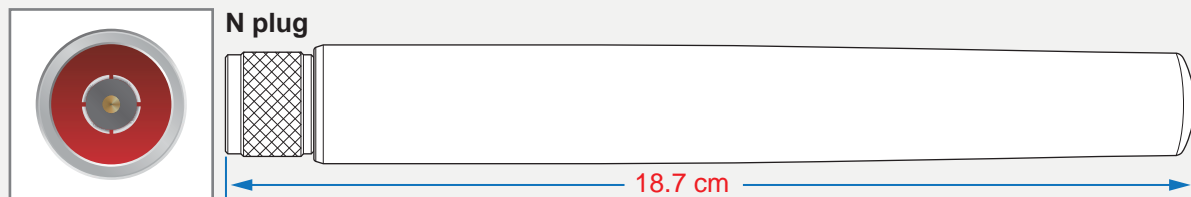
- 
 Frequency range
868 MHz
- 
 Gain
2.09 dBi
- 
 Impedance
50 Ω
- 
 VSWR
2.5
- 
 Polarisation
vertical
- 
 Operating temperature
-40 °C ~ 70 °C

433 MHz Antenna N plug 1.45 dBi fixed omnidirectional

- 1.45 dBi**
- white**
- indoor & outdoor**



CE



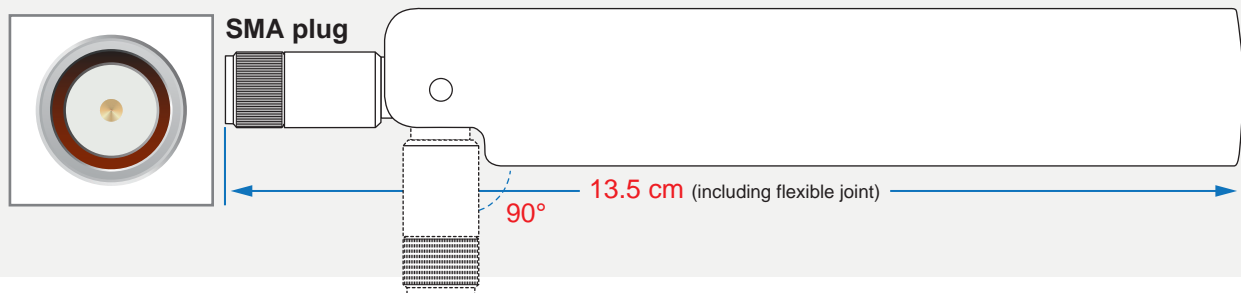
-  Frequency range
433 MHz
-  Gain
1.45 dBi
-  Impedance
50 Ω
-  VSWR
2.5
-  Polarisation
vertical
-  Operating temperature
-40 °C ~ 70 °C

LoRa 868 MHz Antenna SMA plug 3 dBi omnidirectional with tilt joint

- 3 dBi**
- black**
- indoor & outdoor**



CE



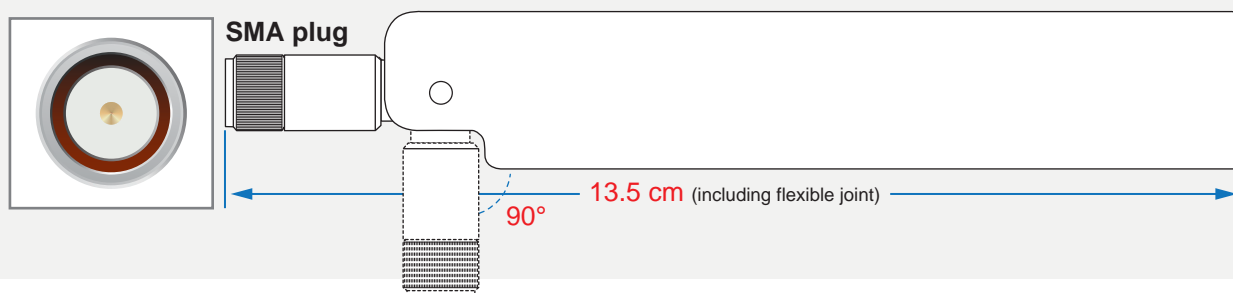
- 
 Frequency range
860 - 870 MHz
- 
 Gain
3 dBi
- 
 Impedance
50 Ω
- 
 VSWR
1.5
- 
 Polarisation
vertical
- 
 Operating temperature
-20 °C ~ 65 °C

NB-IoT 900 MHz Antenna SMA plug 3 dBi omnidirectional with tilt joint

- 3 dBi**
- black**
- indoor**



CE



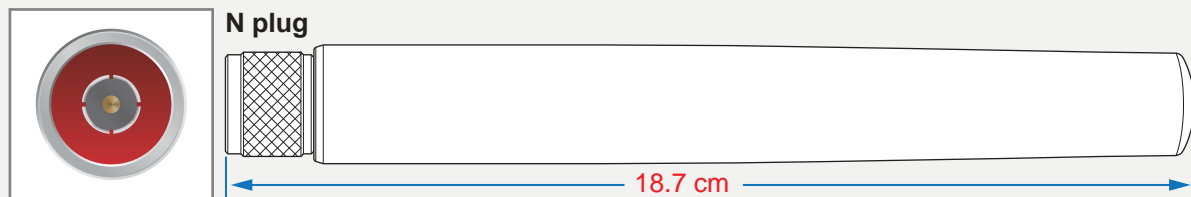
- 
 Frequency range
900 MHz
- 
 Gain
3 dBi
- 
 Impedance
50 Ω
- 
 VSWR
1.5
- 
 Polarisation
vertical
- 
 Operating temperature
-20 °C ~ 65 °C

NB-IoT 900 MHz Antenna N plug 1.5 dBi fixed omnidirectional

- 1.5 dBi**
- white**
- indoor & outdoor**



CE



Frequency range
900 MHz



Gain
1.5 dBi



Impedance
50 Ω



VSWR
1.5



Polarisation
vertical



Operating temperature
-40 °C ~ 70 °C