

# Delock LTE / GSM / UMTS Antenna SMA plug 3 dBi fixed omnidirectional with magnetic base and connection cable RG-174 2 m outdoor black

## Description

This antenna by Delock allows the usage of different LTE, GSM and UMTS bands inside and outside. It is completely compatible to Bluetooth, WLAN 2.4 GHz, ZigBee, DECT, Z-Wave and LoRa 868 MHz / 915 MHz.



**Item no. 12416**

EAN: 4043619124169

Country of origin: Taiwan, Republic of China

Package: Poly bag

## Technical details

- Connector: 1 x SMA plug
- Frequency range:  
800 - 960 MHz  
1710 - 2700 MHz
- GSM, UMTS, Bluetooth, WLAN 2.4 GHz, ZigBee, DECT, Z-Wave, LoRa 868 MHz / 915 MHz
- Antenna gain: 3 dBi
- Impedance: 50 Ohm
- Polarisation: vertical
- VSWR: 2.0
- Operating temperature: -30 °C ~ 70 °C
- Colour: black
- Antenna length including magnetic base: ca. 88.7 mm
- Cable: coaxial
- Cable type: RG-174
- Cable colour: black

- Cable loss: 1.5 dB @ 1.5 GHz per meter
  - Cable diameter: ca. 2.7 mm
  - Cable length incl. connector: ca. 2 m
  - Diameter magnetic base: ca. 29.0 mm
- 

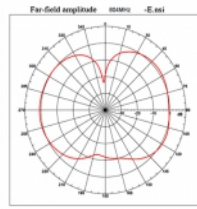
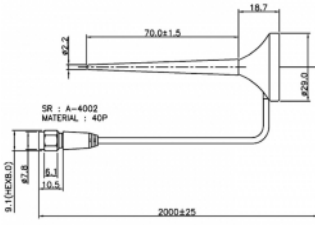
## System requirements

- Device with a free SMA jack
- 

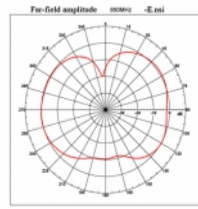
## Package content

- Antenna

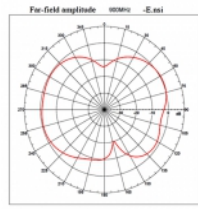
Images



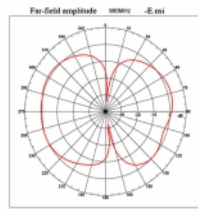
Far-field amplitude 100000 - E azi  
 Frequency: 100000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: E-azi



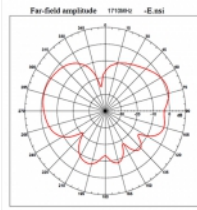
Far-field amplitude 175000 - E azi  
 Frequency: 175000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: E-azi



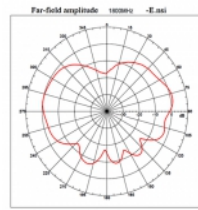
Far-field amplitude 250000 - E azi  
 Frequency: 250000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: E-azi



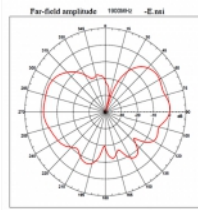
Far-field amplitude 325000 - E azi  
 Frequency: 325000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: E-azi



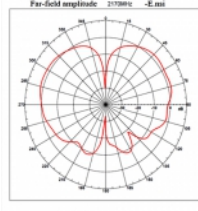
Far-field amplitude 400000 - E azi  
 Frequency: 400000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: E-azi



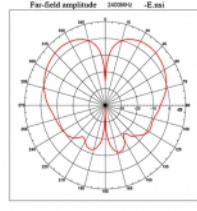
Far-field amplitude 475000 - E azi  
 Frequency: 475000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: E-azi



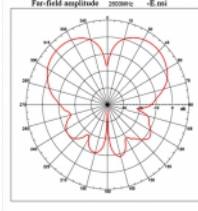
Far-field amplitude 550000 - E azi  
 Frequency: 550000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: E-azi



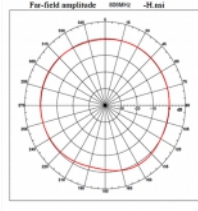
Far-field amplitude 625000 - E azi  
 Frequency: 625000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: E-azi



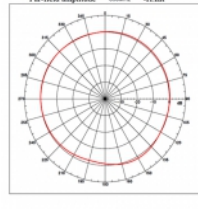
Far-field amplitude 700000 - E azi  
 Frequency: 700000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: E-azi



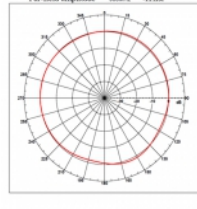
Far-field amplitude 775000 - E azi  
 Frequency: 775000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: E-azi



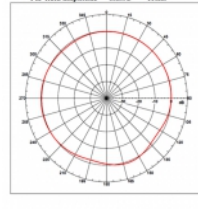
Far-field amplitude 850000 - H azi  
 Frequency: 850000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: H-azi



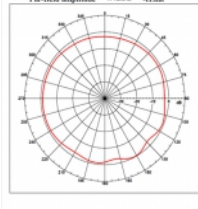
Far-field amplitude 925000 - H azi  
 Frequency: 925000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: H-azi



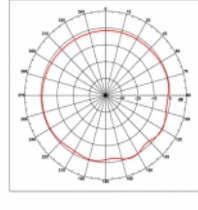
Far-field amplitude 1000000 - H azi  
 Frequency: 1000000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: H-azi



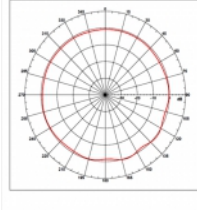
Far-field amplitude 1075000 - H azi  
 Frequency: 1075000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: H-azi



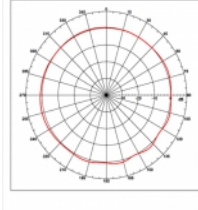
Far-field amplitude 1150000 - H azi  
 Frequency: 1150000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: H-azi



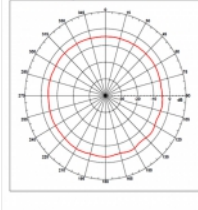
Far-field amplitude 1225000 - H azi  
 Frequency: 1225000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: H-azi



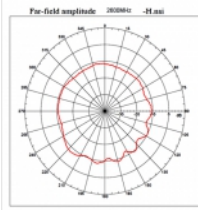
Far-field amplitude 1300000 - H azi  
 Frequency: 1300000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: H-azi



Far-field amplitude 1375000 - H azi  
 Frequency: 1375000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: H-azi



Far-field amplitude 1450000 - H azi  
 Frequency: 1450000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: H-azi



Far-field amplitude 1525000 - H azi  
 Frequency: 1525000 Hz  
 Power: 100 W  
 Distance: 100 m  
 Gain: 10 dBi  
 Directivity: 10  
 Efficiency: 100 %  
 Radiation pattern: H-azi

## General

Mounting type:	magnetic
Suitable for indoor:	yes
Suitable for outdoor:	yes

## Interface

connector:	1 x SMA plug
------------	--------------

## Technical characteristics

Frequency range:	1710 - 2700 MHz 800 - 960 MHz
Antenna gain:	3 dBi
Gain:	0 - 3 dBi
Impedance:	50 Ω
Operating temperature:	-30 °C ~ 70 °C
Polarisation:	vertical
VSWR:	2.0

## Physical characteristics

Antenna type:	omnidirectional
Antenna length incl. magnetic base:	88.7 mm
Diameter magnetical base:	29 mm
Height magnetical base:	18.7 mm
Cable category:	coaxial
Cable type:	RG-174
Cable attenuation:	1.5 dB @ 1.5 GHz per meter
Cable colour:	black

Cable length incl. connector:	2 m
Connector finishing:	gold-plated
Colour:	black