

GSM / UMTS Antenna SMA plug 1.0 - 3.5 dBi omnidirectional with tilt joint black

Description

This GSM / UMTS / LTE antenna can be connected to a GSM / UMTS / LTE device with SMA interface, in order to send and receive signals.



Item no. 88416

EAN: 4043619884162

Country of origin: Taiwan,
Republic of China

Package: Retail Box

Technical details

- Connector: SMA plug
- Frequency range:
 - 824 - 960 MHz
 - 1710 - 2170 MHz
- Antenna gain:
 - 1.0 - 2.5 dBi @ 824 - 960 MHz
 - 1.8 - 3.5 dBi @ 1710 - 2170 MHz
- Impedance: 50 Ohm
- Polarisation: linear, vertical
- VSWR: 4.0
- Operating temperature: -10 °C ~ 55 °C
- Housing material: ABS
- Colour: black
- Length:
 - ca. 163.10 mm (with tilt joint)
 - ca. 137.00 mm (without tilt joint)
- Diameter:
 - ca. 19.60 mm (top)
 - ca. 21.50 mm (max.)
 - ca. 13.50 mm (SMA)

- Device with a free SMA jack

- GSM / UMTS antenna

Figure 10 shows the dimensions and radiation pattern of the antenna. The technical drawing indicates the following dimensions:

- Overall length: 19.5 mm
- Antenna element length: 15.5 mm
- Base diameter: 1.5 mm
- Base thickness: 1.5 mm
- Base width: 1.5 mm
- Base height: 1.5 mm

The radiation pattern plots show the antenna's performance in the XZ plane and YZ plane. The plots are labeled 'XZ plane' and 'YZ plane' and show the radiation pattern in dBm. The plots are labeled 'Total' and 'Polar' and show the radiation pattern in dBm. The plots are labeled 'Max 10' and 'Min 10' and show the radiation pattern in dBm. The plots are labeled 'Polar' and 'Polar' and show the radiation pattern in dBm.

Interface

Connector:	SMA Stecker
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Technical characteristics

Frequency range:	824 - 960 MHz 1710 - 2170 MHz
Gain:	1.0 - 2.5 dBi @ 824 MHz - 960 MHz 1.8 - 3.5 dBi @ 1710 MHz - 2170 MHz
Impedance:	50 Ω
Operating temperature:	-10 °C ~ 55 °C
Polarisation:	linear vertical
VSWR:	4.0

Physical characteristics

Housing material:	ABS
Diameter connector:	13.50 mm
Length with tilt joint:	163.10 mm
Colour:	black

Manufacturer information

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