

Item no.: 362295

A-OMNI-0297-V1-01 - 5G/LTE OMNI-Directional Wideband Antenna - 698 - 3800 MHz, 2dBi

from **54,11 EUR**

Item no.: 362295
shipping weight: 0.10 kg
Manufacturer: Poynting



Product Description

The new OMNI-297 antenna is part of the new Poynting "Rhyno" antenna series. The OMNI-297 is a broadband mobile antenna. It covers all current 5G and LTE frequency bands. The constant gain over the entire frequency range improves LTE performance features such as Multi Carrier Aggregation (CA). The ideal application for the antenna is fixed installation in any cellular band. It is also ideal for M2M and IoT applications communicating over GSM networks (GPRS/EDGE/3G/HSPA/LTE).

Highlights:

- Medium strength, omni-directional antenna
- Suitable for 5G deployment up to 3800 MHz
- Compatible with 4G/3G/2G technologies, supports 2.4 GHz Wi-Fi
- Ideal for IoT and M2M applications
- Robust and low-profile design
- Dust and water resistant with IP68 protection rating

Scope of delivery:

- Antenna: A-OMNI-0297
- Mounting: Including L-bracket, adhesive for surface mounting

Electrical specifications:

- Frequency bands: 617 - 960 MHz
- 1427 - 1517 MHz
- 1710 - 2700 MHz
- 3400 - 3800 MHz
- Gain (Max):
- -3.5 dBi @ 617 - 960 MHz
- -1 dBi @ 1427 - 1517 MHz
- 2 dBi @ 1710 - 2700 MHz
- 1.8 dBi @ 3400 - 3800 MHz
- VSWR: < 2.5:1
- Input power: 10 W
- Input impedance: 50 Ohm (nominal)
- Coaxial cable loss: 0.535 dB/m at 900 MHz
- 0.76 dB/m at 1500 MHz
- 0.79 dB/m at 1800 MHz
- 0.97 dB/m at 2400 MHz
- 1.1 dB/m at 3000 MHz
- Polarisation: Linear Vertical
- DC short circuit: Path to earth

Mechanical specifications:

- Product dimensions: 155 mm x Ø70 mm
- Packed dimensions: 240 mm x 100 mm x 85 mm
- Weight: 0.35 kg
- Packed weight: 0.53 kg
- Radome material: UV-stable ASA
- Radome colour: Grey
- Pantone 429C
- Mounting method: Wall and pole mounting with bracket, surface mounting
- With adhesive disc

Environmental specifications:

- Wind resistance of the antenna: ?190 km/h
- Temperature range (operating): -40°C to +80°C
- Environmental conditions: Outdoor/indoor
- Protection class: IP 69K
- Salt spray: MIL-STD 810G/ASTM B117
- Relative humidity during operation: Up to 98%
- Storage humidity: 5% to 95% - non-condensing
- Storage temperature: -40°C to +80°C
- Flammability rating of enclosure: UL 94-HB
- Impact resistance: IK 10
- Product safety & environment: Complies with CE and RoHS standards

Specifications

**Scan this QR code to
view the product**
All details, up-to-date
prices and availability

