

Page



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# **Poynting OMNI-297, Omni- Directional, Wideband Rhyno, 4G-5G antenna, 617 to 3800 MHz**

SKU  
ANT-PY-00056  
MPN  
A-OMNI-0297-V1-01

## Description

The Poynting OMNI-297 is a robust omni-directional 4G-5G antenna, designed for versatile high-speed wireless data applications. Operating across a wide frequency range of 617 to 3800 MHz, this whip-type antenna excels in delivering reliable connectivity for residential 4G LTE, GSM, M2M, DTV, and other customer premise equipment applications. Its linear polarisation and 50  $\Omega$  impedance ensure optimal signal transmission, while the antenna's capability to handle up to 10 W input power makes it suitable for demanding environments.

Constructed from durable ASA plastic, the OMNI-297 is IP69K certified for superior ingress protection, enduring harsh weather conditions from -40 °C to 80 °C. Weighing just 0.35 kg and measuring 155 x 70 mm, it is compact and lightweight, ideal for space-conscious installations. Its compliance with CE, RoHS, and ISO 9001 standards, combined with MIL-STD-810 environmental durability certification, underscores its...

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## [Poynting](#)

Poynting is a top global provider of integrated antenna solutions, responsible for the innovation, design and manufacture of its market-leading products.

Established as a consultancy in 1990, Poynting evolved into an official PTY in 1997 and in 2001 established Poynting Antennas. It caters antenna solutions for primarily wireless high speed data applications, including residential 4G LTE as well ...

## RF Specification

Start Frequency

617 MHz

Stop Frequency

3800 MHz

Max. Input Power

10 W

Polarisation

[Linear](#)

Input Impedance

50  $\Omega$

RF Connectors

**Ports RF Interface Body Shape Cable Series Length**

1      [SMA Male](#)      [Straight](#)      [RG-58](#)      600 mm

Frequency Test Data

**Start Freq. Stop Freq. Peak Gain VSWR**

617 MHz      960 MHz      -3.5 dBi      < 2.5:1

1427 MHz      1517 MHz      -1 dBi      < 2.5:1

1710 MHz      2700 MHz      2 dBi      < 2.5:1

3400 MHz      3800 MHz      1.8 dBi      < 2.5:1

## Physical Specification

Subtype

[Whip](#)

Input Ports

1

MIMO

[1x1 SISO](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

80 °C

Dimensions

155 x 70

Ingress Protection

[IP69K](#)

Materials

[ASA Plastic](#)

Weight

0.35 kg

Compliance/Certifications

CE

,

RoHS

,

ISO 9001 Quality Management

Mechanical Compliance

MIL-STD-810: Environmental Durability

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