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# Poynting OMNI-493, Omni-Directional, Marine, 4G-5G antenna, 617 to 3800 MHz

SKU
ANT-PY-00036
MPN
A-OMNI-0493-V1-01

## Description

The Poynting OMNI-493 is a high-performance omni-directional marine antenna designed for seamless 4G and 5G connectivity. Operating across a broad frequency range of 617 to 3800 MHz, this antenna is ideal for various wireless applications, including residential 4G LTE, GSM, M2M, DTV, and customer premises equipment. Built with robust ASA plastic, it is IP68-rated for exceptional durability and weather resistance, functioning reliably in temperatures from -40 °C to 80 °C.

The OMNI-493 features a single N Female RF connection, supporting up to 10 W of input power with a 50 Ω impedance. Its linear polarisation and peak gain of 9.0 dBi ensure optimal signal reception and transmission, while maintaining a VSWR of less than 2.5:1. This whip-type antenna adheres to rigorous CE, RoHS, and MIL-STD-810 standards, attesting to its high-quality construction and environmental durability.

Poynting, a renowned South African brand, has been at the...

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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

## LTE

Start Frequency
617 MHz
Stop Frequency
3800 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

| Ports | RF Interface | Body Shape |
|---|---|---|
| 1 | N Female | Straight |

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR |
|---|---|---|---|
| 617 MHz | 3800 MHz | 9 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
646 x 75
Ingress Protection
IP68
Materials

ASA Plastic
Compliance/Certifications
CE
,
RoHS
Mechanical Compliance
MIL-STD-810: Environmental Durability

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