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Poynting OMNI-496, Omni-Directional, Marine, Dual Band WiFi antenna, 2400 to 6000 MHz

SKU
ANT-PY-00039
MPN
A-OMNI-0496-V1-01

Description

The Poynting OMNI-496 is a dual-band, omni-directional WiFi antenna designed to deliver reliable performance in marine and other demanding environments. Covering frequencies from 2400 to 6000 MHz, this antenna is ideal for enhancing WiFi connectivity across a range of applications, including residential 4G LTE, GSM, M2M, and DTV. With a robust IP68 rating, it withstands harsh conditions, operating effectively between -40 °C and 80 °C.

The antenna's linear polarisation and 50 Ω impedance ensure optimal signal quality, supported by peak gain values of up to 7.5 dBi. Its single N Female RF connection simplifies installation and integration into existing systems. Constructed from durable ASA plastic, the OMNI-496 is both lightweight and sturdy, measuring 560 x 75 mm and weighing just 0.57 kg.

Poynting, a renowned provider of innovative antenna solutions, backs this product with a commitment to quality and compliance, meeting CE and RoHS...

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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
2400 MHz
Stop Frequency
6000 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface
1	N Female

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
2400 MHz	2500 MHz	6 dBi	< 2.5:1
3400 MHz	3800 MHz	7 dBi	< 2.5:1
5000 MHz	6000 MHz	7.5 dBi	< 2.5:1

Physical Specification

Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
560 x 75
Ingress Protection
IP68
Materials
ASA Plastic
Weight

0.57 kg
Compliance/Certifications
CE
,
RoHS

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