

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...

[Read More](#)



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 | Polarisation: | Linear |
| Stop Frequency: | 6000 MHz | Input Impedance: | 50 |
| Max. Input Power: | 10 W | | |

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 | Dimensions: | 560 x 75 |
| MIMO: | 1x1 SISO | Ingress Protection: | IP68 |
| Min. Operating Temperature: | -40 °C | Materials: | ASA Plastic |
| Max. Operating Temperature: | 80 °C | Weight: | 0.57 kg |
| | | Compliance/Certifications: | CE |
| | | RoHS | ' |

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

