

Poytning OMNI-498 WiFi 2x2 MIMO Antenna, 2.4 to 7.2GHz, 2m SMA Male

SKU: ANT-PY-00091

MPN: A-OMNI-0498-V1-01

Description

The Poytning OMNI-498 is a high-performance 2x2 MIMO WiFi antenna designed for versatile applications across residential, commercial, and telecommunications sectors, including 4G LTE, GSM, M2M, and digital television setups. Operating within 2.4 to 7.2GHz frequency ranges, it ensures robust connectivity with a peak gain of up to 9.8 dBi, catering to high-speed data requirements.

Constructed from durable ASA plastic, this dipole antenna meets stringent MIL-STD-810 environmental durability standards and boasts an IP68 ingress protection rating, making it ideal for harsh outdoor conditions. The OMNI-498 supports a temperature range from -40 °C to 80 °C, ensuring reliable performance in extreme environments. It features two SMA male connectors on a 2m L-195 cable, providing secure and stable RF connections.

Compliant with ISO 9001, RoHS, and CE certifications, the OMNI-498 guarantees quality and safety. Known for its innovation, Poytning has...

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Poytning 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, Poytning evolved into an official PTY in 1997 and in 2001 established Poytning 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: | 7200 MHz | Input Impedance: | 50 |
| Max. Input Power: | 10 W | | |

RF Connectors

| Ports | RF Interface | Body Shape | Cable Series | Length |
|-------|--------------|------------|--------------|---------|
| 1 | SMA Male | Straight | L-195 | 2000 mm |

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR |
|-------------|------------|-----------|-------|
| 2400 MHz | 2500 MHz | 7 dBi | < 2:1 |
| 5000 MHz | 7200 MHz | 9.8 dBi | < 2:1 |

Physical Specification

| | | | |
|-----------------------------|----------|----------------------------|---------------------------------------|
| Subtype: | Dipole | Dimensions: | 750 x 75 |
| Input Ports: | 2 | Ingress Protection: | IP68 |
| MIMO: | 2x2 MIMO | Materials: | ASA Plastic |
| Min. Operating Temperature: | -40 °C | Compliance/Certifications: | ISO 9001 Quality Management |
| Max. Operating Temperature: | 80 °C | RoHS | ' |
| | | CE | |
| | | Mechanical Compliance: | MIL-STD-810: Environmental Durability |

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