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Poynting 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 Poynting 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, Poynting has...

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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
7200 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
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
Input Ports
2
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
750 x 75
Ingress Protection
IP68
Materials
ASA Plastic

Compliance/Certifications
ISO 9001 Quality Management
,
RoHS
,
CE
Mechanical Compliance
MIL-STD-810: Environmental Durability

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