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Poynting OMNI-402, Omni-Directional, Marine, 2x2 MIMO 4G antenna; 410 to 3800 MHz

SKU
ANT-PY-00007
MPN
A-OMNI-0402-V2-01
Barcode
707273470393

Description

The Poynting OMNI-402 is an omni-directional, marine-grade 2x2 MIMO 4G antenna designed for robust performance across a wide frequency range of 410 to 3800 MHz. Engineered with a durable ASA plastic housing, it is IP68-rated for superior protection against dust and water ingress, making it ideal for harsh marine environments. This dipole antenna is equipped with two SMA male RF connections, each supported by a 2 metre L-195 cable, offering reliable connectivity for high-speed data applications like 4G LTE, GSM, and M2M.

The OMNI-402 features linear polarisation and supports up to 10 W of input power, ensuring optimal performance for both residential and commercial applications. It boasts peak gains of up to 6.5 dBi within key frequency bands, maintaining a consistent azimuth beamwidth of 360° for comprehensive signal coverage. Compliant with CE, ISO 9001, RoHS, and MIL-STD-810F standards, this antenna is built to withstand demanding...

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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

Cable 1: 4G-5G

Start Frequency
410 MHz
Stop Frequency
3800 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	Azimuth
410 MHz	470 MHz	1 dBi	< 2.5:1	360°
698 MHz	2700 MHz	6.5 dBi	< 2.5:1	360°
3400 MHz	3800 MHz	2.5 dBi	< 2.5:1	360°

Cable 2: 4G-5G

Start Frequency
410 MHz
Stop Frequency
3800 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	Azimuth

410 MHz	470 MHz	1 dBi	< 2.5:1 360°
698 MHz	2700 MHz	6.5 dBi	< 2.5:1 360°
3400 MHz	3800 MHz	2.5 dBi	< 2.5:1 360°

Physical Specification

Subtype
Dipole
Input Ports
2
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
750 x 27.5
Ingress Protection
IP68
Materials
ASA Plastic
Weight
0.86 kg
Compliance/Certifications
CE
,
ISO 9001 Quality Management
,
RoHS
Mechanical Compliance
MIL-STD-810: Environmental Durability

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