

Poynting OMNI-404, Omni-Directional, Marine, 4G-5G antenna, 617 to 3800 MHz

SKU: ANT-PY-00057

MPN: A-OMNI-0404-V1-01

Description

The Poynting OMNI-404 is a reliable omni-directional marine antenna designed for robust 4G and 5G connectivity, covering frequencies from 617 to 3800 MHz. This dipole antenna, constructed from durable ASA plastic, ensures long-term endurance with an IP69K ingress protection rating, making it ideal for harsh marine environments. It functions efficiently within a temperature range of -40 °C to 80 °C, supporting diverse applications in challenging conditions.

Engineered for superior performance, the OMNI-404 utilises a 1x1 SISO configuration with a 50 Ω impedance, capable of handling up to 10 W of input power. Its linear polarisation and peak gain values make it suitable for various frequency ranges, ensuring consistent signal quality. The antenna features a single N Female RF connection, simplifying installation and integration into existing systems.

Compliant with CE and RoHS standards, and tested to meet MIL-STD-810 for environmental...

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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

LTE

Start Frequency:	617 MHz	Polarisation:	Linear
Stop Frequency:	3800 MHz	Input Impedance:	50
Max. Input Power:	10 W		

RF Connectors

Ports	RF Interface	Body Shape
1	N Female	Straight

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
617 MHz	960 MHz	-4 dBi	< 2.5:1
1427 MHz	1517 MHz	-1 dBi	< 2.5:1
1710 MHz	2700 MHz	2 dBi	< 2.5:1
3400 MHz	3800 MHz	1.5 dBi	< 2.5:1

Physical Specification

Subtype:	Dipole	Dimensions:	252 x 75
Input Ports:	1	Ingress Protection:	IP69K
MIMO:	1x1 SISO	Materials:	ASA Plastic
Min. Operating Temperature:	-40 °C	Weight:	0.35 kg
Max. Operating Temperature:	80 °C	Compliance/Certifications:	CE
		RoHS	
		Mechanical Compliance:	MIL-STD-810: Environmental Durability

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