Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

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...

Read More

Poynting
Making wireless happen

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

LTE

Start Frequency
617 MHz
Stop Frequency
3800 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
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
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions

252 x 75
Ingress Protection
IP69K
Materials
ASA Plastic
Weight
0.35 kg
Compliance/Certifications
CE
,
RoHS
Mechanical Compliance
MIL-STD-810: Environmental Durability

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.

