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Poynting OMNI-300, Omni-Directional, LORA/HELIUM/IOT antenna, 868 to 930 MHz

SKU
ANT-PY-00050
MPN
A-OMNI-0300-V2-01

Description

The Poynting OMNI-300 is an omni-directional antenna designed for LORA, HELIUM, and IoT applications, operating within the 868 to 930 MHz frequency range. This dipole antenna, crafted from durable ABS plastic, is IP65 rated, ensuring reliable performance in harsh environments with temperatures from -40°C to 80°C.

With a 360° azimuth beamwidth, the OMNI-300 delivers a peak gain of 4.5 dBi and maintains a VSWR of 2.5:1, making it suitable for robust wireless data transmission. It features a single RP-SMA Male interface with a 5000 mm L-195 cable, supporting up to 10 W of input power and a 50 Ω impedance. The antenna is linear polarised, enhancing its signal stability and range.

Compliant with CE and RoHS standards, and tested to MIL-STD-810 for environmental durability, the OMNI-300 exemplifies quality and reliability. Poynting, a prominent antenna solutions provider headquartered in Johannesburg, South Africa, combines innovation with...

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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
868 MHz
Stop Frequency
930 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	RP-SMA Male	Straight	L-195	5000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
868 MHz	930 MHz	4.5 dBi	< 2.5:1	360°

Physical Specification

Subtype
Dipole
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
553 x 50
Ingress Protection
IP65
Materials
ABS Plastic
Weight
0.43 kg

Compliance/Certifications
CE
,
RoHS
Mechanical Compliance
MIL-STD-810: Environmental Durability

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