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Poynting OMNI-155, Omni-Directional, Rhyno, 4G antenna, 703 to 803 MHz

SKU
ANT-PY-00079
MPN
A-OMNI-0155-V1-01

Description

The Poynting OMNI-155 is a robust, omni-directional 4G antenna specifically designed for versatile applications in wireless data communication. Operating within the 703 to 803 MHz frequency range, it is ideal for residential 4G LTE, GSM, M2M, and DTV applications. Its monopole design ensures a 360° azimuth beamwidth, delivering consistent performance with a peak gain of 1.5 dBi.

Engineered from durable ASA plastic, the OMNI-155 boasts an IP68 ingress protection rating, making it suitable for harsh environmental conditions, withstanding temperatures from -40 °C to 80 °C. Its compliance with CE and RoHS standards, along with MIL-STD-810 environmental durability, ensures reliability and safety.

The antenna features a single SMA Male connector with a 1000 mm RG-58 cable, providing seamless integration into various systems. With a 50 Ω impedance and a power handling capability of up to 10 W, the OMNI-155 facilitates robust and efficient signal...

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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
703 MHz
Stop Frequency
803 MHz
Max. Input Power
10 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-58	1000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
703 MHz	803 MHz	1.5 dBi	< 2:1	360°

Physical Specification

Subtype
Monopole
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
155 x 70
Ingress Protection
IP68
Materials

ASA Plastic
Weight
0.35 kg
Compliance/Certifications
CE
,
RoHS
Mechanical Compliance
MIL-STD-810: Environmental Durability

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