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Poynting XPOL-1-5G, Omni-Directional, 2x2 MIMO 4G-5G antenna; 617 to 3800 MHz

SKU
ANT-PY-00012
MPN
A-XPOL-0001-V2-21
Barcode
6009710920886

Description

The Poynting XPOL-1-5G is an omni-directional, 2x2 MIMO antenna designed to enhance 4G and 5G connectivity across a broad frequency range of 617 to 3800 MHz. Constructed from durable ASA plastic, this dipole antenna is compact, measuring 247 x 157 x 88 mm, and weighs just 0.95 kg. Its robust design boasts an IP65 ingress protection rating, ensuring reliable performance in challenging environments with temperatures from -40°C to 70°C.

Equipped with two RF connections via SMA Male interfaces, the XPOL-1-5G supports a 50 Ω impedance and up to 20 W input power, delivering a peak gain of 3.0 dBi and maintaining a VSWR of less than 2.5:1. Its 360° azimuth beamwidth ensures comprehensive coverage, making it ideal for applications requiring consistent and widespread signal distribution.

This antenna is perfect for enhancing wireless high-speed data applications, including residential 4G LTE, GSM, M2M, DTV, and customer premise equipment. It...

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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

Start Frequency
698 MHz
Stop Frequency
3800 MHz
Max. Input Power
20 W
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

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

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
698 MHz	3800 MHz	3 dBi	< 2.5:1	360°

Physical Specification

Subtype
Dipole
Input Ports
2
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
70 °C
Dimensions
247 x 157 x 88
Ingress Protection
IP65
Materials
ASA Plastic
Weight
0.95 kg

Compliance/Certifications
CE
,
RoHS
,
ISO 9001 Quality Management
Mechanical Compliance
MIL-STD-810: Environmental Durability

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