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Poynting XPOL-2-5G, Ultra-Wideband, 2x2 MIMO 4G-5G antenna; 617 to 4200 MHz, 30 cm N Female

SKU
ANT-PY-00005
MPN
A-XPOL-0002-V3-02

Description

The Poynting XPOL-2-5G is an ultra-wideband 2x2 MIMO antenna designed for robust 4G and 5G applications. It supports a wide frequency range from 617 to 4200 MHz, making it ideal for various wireless high-speed data applications, including 4G LTE and GSM networks, as well as M2M and DTV systems. This panel antenna features a compact design, measuring 265 x 265 x 90 mm and weighing 1.55 kg, constructed from durable ASA plastic with an IP65 rating for excellent protection against dust and water.

Engineered to withstand extreme temperatures from -40°C to 80°C, the XPOL-2-5G delivers reliable performance in harsh environments. It complies with CE and RoHS standards and meets MIL-STD-810F for environmental durability, ensuring high-quality and long-lasting use. The antenna offers dual RF connections through 2 ports, presenting a 50 Ω impedance and supporting up to 20 W of input power. Its slant +45° polarisation enhances signal reception...

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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
698 MHz
Stop Frequency
3800 MHz
Max. Input Power
20 W
Polarisation
Slant +45°
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	L-195	500 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
698 MHz	960 MHz	9 dBi	< 1.5:1	360°
1710 MHz	2700 MHz	10 dBi	< 1.5:1	360°
3400 MHz	3800 MHz	11 dBi	< 1.5:1	360°

Physical Specification

Subtype
Panel / Sector
Input Ports
2
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
265 x 265 x 90
Ingress Protection
IP65
Materials
ASA Plastic
Weight
1.55 kg

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

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