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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

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 Straight 5000 mm 1 SMA Male L-195 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

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ISO 9001 Quality Management Mechanical Compliance MIL-STD-810: Environmental Durability

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