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Poynting MIMO-3-12, Ultra- Wideband, 2-in-1 Automotive, 2x2 MIMO 4G-5G antenna; 410 to 3800 MHz

SKU
ANT-PY-00010
MPN
A-MIMO-0003-V2-12

Description

The Poynting MIMO-3-12 is a versatile, ultra-wideband 2x2 MIMO antenna designed for automotive applications, supporting 4G and 5G networks across a broad frequency range of 410 to 3800 MHz. With its robust ASA plastic construction and IP68 rating, this antenna is built to withstand harsh environmental conditions, making it ideal for outdoor use. It operates efficiently in temperatures from -40 °C to 80 °C, ensuring reliable performance in various climates.

This fin-style antenna features two input ports, each equipped with an SMA Male connector and 2000 mm cable, facilitating seamless integration into existing systems. The antenna's linear polarisation and 50 Ω impedance optimise signal transmission, supporting up to 10 W of input power. Its peak gain ranges from 1.0 dBi to 5.8 dBi across different frequency bands, ensuring enhanced signal reception and transmission quality.

Poynting, a leading provider of integrated antenna solutions...

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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

Cable 1: 4G-5G

Start Frequency

410 MHz

Stop Frequency

3800 MHz

Max. Input Power

10 W

Polarisation

[Linear](#)

Input Impedance

50 Ω

RF Connectors

Ports RF Interface Body Shape Length

1 [SMA Male](#) [Straight](#) 2000 mm

Frequency Test Data

Start Freq. Stop Freq. Peak Gain VSWR

410 MHz 470 MHz 1 dBi < 2.5:1

690 MHz 960 MHz 3.5 dBi < 2.5:1

1710 MHz 2700 MHz 5.8 dBi < 2.5:1

3400 MHz 3800 MHz 4 dBi < 2.5:1

Cable 2: 4G-5G

Start Frequency

410 MHz

Stop Frequency

3800 MHz

Max. Input Power

10 W

Polarisation

[Linear](#)

Input Impedance

50 Ω

RF Connectors

Ports RF Interface Body Shape Length

1 [SMA Male](#) [Straight](#) 2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
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410 MHz	470 MHz	1 dBi	< 2.5:1
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690 MHz	960 MHz	3.5 dBi	< 2.5:1
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1710 MHz	2700 MHz	5.8 dBi	< 2.5:1
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3400 MHz	3800 MHz	4 dBi	< 2.5:1
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Physical Specification

Subtype

[Fin / Stud / Combo](#)

Input Ports

2

MIMO

[2x2 MIMO](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

80 °C

Dimensions

253 x 128 x 144

Ingress Protection

[IP68](#)

Materials

[ASA Plastic](#)

Weight

1.1 kg

Compliance/Certifications

CE

,

RoHS

,

ISO 9001 Quality Management

Mechanical Compliance

MIL-STD-810: Environmental Durability

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