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# Poynting PUCK-2-V2 4G-5G 2-in-1 Transportation & IOT, 2x2 MIMO Antenna, 617 to 6000 MHz, Black

SKU
ANT-PY-00011
MPN
A-PUCK-0002-V2-01

## Description

The Poynting PUCK-2-V2 is a robust 2-in-1 MIMO antenna designed for seamless 4G and 5G connectivity, ideal for transportation and IoT applications. Operating across a wide frequency range of 617 to 6000 MHz, this dipole antenna ensures reliable wireless communication. Its compact design, measuring 99.3 x 36 mm and weighing 0.38 kg, is built from durable polycarbonate and ABS plastic, offering IP68-rated protection against dust and water.

This antenna supports a linear polarisation and features two RF connections via SMA Male interfaces, suitable for high-speed data applications such as GSM, M2M, and DTV. With a sturdy build, it withstands extreme temperatures from -40 °C to 80 °C and meets rigorous MIL-STD-810 environmental standards, making it perfect for harsh environments.

Poynting, a leading innovator in antenna technology, ensures high-quality performance through CE, RoHS, and ISO 9001 certifications. The PUCK-2-V2 is particularly...

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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

## Port 1: Cellular

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

| Ports | RF Interface | Body Shape | Cable Series | Length |
|---|---|---|---|---|
| 1 | SMA Male | Straight | A-302 | 2000 mm |

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR |
|---|---|---|---|
| 698 MHz | 960 MHz | -1 dBi | < 2.5:1 |
| 1710 MHz | 2700 MHz | 6 dBi | < 2.5:1 |
| 3200 MHz | 3800 MHz | 6 dBi | < 2.5:1 |

## Port 2: Cellular

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

| Ports | RF Interface | Body Shape | Cable Series | Length |
|---|---|---|---|---|
| 1 | SMA Male | Straight | A-302 | 2000 mm |

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR |
|---|---|---|---|
| 698 MHz | 960 MHz | -1 dBi | < 2.5:1 |
| 1710 MHz | 2700 MHz | 6 dBi | < 2.5:1 |
| 3200 MHz | 3800 MHz | 6 dBi | < 2.5:1 |

# Physical Specification

Subtype
Dipole
Input Ports
2
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
99.3 x 36 mm
Ingress Protection
IP68
Materials
Polycarbonate (PC), ABS Plastic
Weight
0.38 kg
Compliance/Certifications
CE
,
RoHS
,
ISO 9001 Quality Management
Mechanical Compliance
MIL-STD-810: Environmental Durability

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