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Poynting DASH-1, Omni-Directional, Ultra Low Profile Smart Meter 4G antenna, 698 to 2700 MHz

SKU
ANT-PY-00054
MPN
A-DASH-0001-01-V1

Description

The Poynting DASH-1 is an ultra-low profile, omni-directional 4G antenna designed for smart meter applications. Operating within the 698 to 2700 MHz frequency range, it supports a broad spectrum of wireless high-speed data applications, including 4G LTE, GSM, M2M, DTV, and more. This whip antenna, constructed from durable ABS plastic and polycarbonate, is IP65 certified for excellent dust and water resistance, ensuring reliable performance in harsh environments from -40 °C to 70 °C.

Weighing just 0.06 kg, the DASH-1 features a compact design measuring 258 x 13 x 34 mm, making it ideal for installations where space is at a premium. Its single MCX female interface, connected via a 1000 mm RG-174 cable, offers straightforward integration into existing systems. The antenna's linear polarisation and 50 Ω impedance ensure optimal signal clarity and performance, with a peak gain of up to 4.0 dBi and a VSWR of <3.0:1.

Certified to CE, ISO 9001, and RoHS standards, and tested to MIL-STD-810 for environmental durability, the DASH-1 is a robust solution for consumer and commercial wireless applications. Poynting, a leader in antenna solutions, has engineered this product to meet the demands of today’s global telecommunications markets.

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
690 MHz
Stop Frequency
2700 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	MCX Female	Right Angle	RG-174	1000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
690 MHz	960 MHz	1 dBi	< 3:1	360°
1710 MHz	2700 MHz	4 dBi	< 3:1	360°

Physical Specification

Subtype
Whip
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
70 °C
Dimensions
258 x 13 x 34
Ingress Protection
IP65

Materials
ABS Plastic, Polycarbonate (PC)
Weight
0.06 kg
Compliance/Certifications
CE
,
ISO 9001 Quality Management
,
RoHS
Mechanical Compliance
MIL-STD-810: Environmental Durability

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