

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.

RF Specification



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 ...

Start Frequency:	690 MHz	Polarisation:	Linear
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Stop Frequency:	2700 MHz	Input Impedance:	50
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Max. Input Power:	10 W
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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	Dimensions:	258 x 13 x 34
Input Ports:	1	Ingress Protection:	IP65
MIMO:	1x1 SISO	Materials:	ABS Plastic, Polycarbonate (PC)
Min. Operating Temperature:	-40 °C	Weight:	0.06 kg
Max. Operating Temperature:	70 °C	Compliance/Certifications:	CE
		ISO 9001 Quality Management	
		RoHS	
		Mechanical Compliance:	MIL-STD-810: Environmental Durability

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