

Page



Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

Poynting HELI-6, Directional, Circular-Polarised Tunnel, 4G/LoRa antenna; 698 to 960 MHz

SKU
ANT-PY-00009
MPN
A-HELI-0006-V1-01

Description

The Poynting HELI-6 is a high-performance directional, circular-polarised helical antenna ideal for 4G/LoRa applications. Operating within the 698 to 960 MHz frequency range, this antenna ensures robust connectivity for GSM, M2M, and digital television systems. Its left-hand circular polarisation enhances signal reception in challenging environments, making it ideal for tunnel and other demanding installations.

With a peak gain of 13.5 dBi and a VSWR of less than 2.0:1, the HELI-6 delivers excellent RF performance. It features a single N Female connector, directly mounted on the antenna, providing streamlined installation. The antenna is constructed from durable polyvinyl chloride (PVC), ensuring reliability in harsh conditions, as indicated by its IP65 rating and ability to operate between -40 °C and 70 °C.

Compliant with CE and RoHS standards and tested to meet MIL-STD-810 environmental durability, the HELI-6 is built for longevity and...

[Read More](#)



[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

960 MHz

Max. Input Power

30 W

Polarisation

[Left Hand Circular \(LHCP\)](#)

Input Impedance

50 Ω

RF Connectors

Ports RF Interface

1 [N Female](#)

Frequency Test Data

Start Freq. Stop Freq. Peak Gain VSWR

690 MHz 960 MHz 13.5 dBi < 2:1

Physical Specification

Subtype

[Helical](#)

Input Ports

1

MIMO

[1x1 SISO](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

70 °C

Dimensions

705 x 245 x 197

Ingress Protection

[IP65](#)

Materials

[Polyvinyl Chloride \(PVC\)](#)

Weight

4.2 kg

Compliance/Certifications

CE

,

RoHS

Mechanical Compliance

MIL-STD-810: Environmental Durability

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

