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

Pulse Larsen 4G Magnetic Antenna, 698 to 2700 MHz, SMA Male

SKU
ANT-PU-00004
MPN
SLPT698/2170NMOHF + NMOMMRDSSMA

Description

The Pulse Larsen 4G Magnetic Antenna (SKU: ANT-PU-00004) is a high-performance antenna designed for seamless connectivity across a broad frequency range of 698 to 2700 MHz. Ideal for use in demanding environments, it features an IP67-rated polycarbonate and ABS plastic construction, ensuring durability against dust and water ingress. This antenna operates efficiently within temperature extremes from -40 °C to 85 °C, making it suitable for various outdoor and industrial applications.

Equipped with a single SMA Male connector, this antenna offers straightforward integration with existing RF systems. Its vertical polarisation and 360° azimuth beamwidth provide reliable omnidirectional coverage, enhancing signal reception and transmission. The antenna supports up to 10 W of input power and maintains a stable 50 Ω impedance, ensuring consistent performance across its operating frequencies. Key peak gain values include 4.5 dBi between 698 MHz...

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Pulse Larsen

Pulse, a YAGEO company, is a key element in a family of businesses that combine to create one of the largest passive electronic manufacturers in the world. Founded in 1956 in Redwood City, California and acquired by Taiwanese Yageo Corporation in 2018 Pulse has over 60 years of innovation experience and is a leader in technology, design and manufacturing.

The company's passive electronic ...

RF Specification

Start Frequency
698 MHz

Stop Frequency
2700 MHz
Max. Input Power
10 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape
1	SMA Male	Straight

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
698 MHz	960 MHz	4.5 dBi	< 3:1	360°
1710 MHz	2400 MHz	5.6 dBi	< 2:1	360°
2500 MHz	2700 MHz	4 dBi	< 2.2:1	360°

Physical Specification

Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Dimensions
3 H x 1.5 Ø base / 76.2 x 38.1 Ø base
Ingress Protection
IP67
Materials
Polycarbonate (PC), ABS Plastic
Weight
0.07 kg
Compliance/Certifications
RoHS

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