

# 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  | Polarisation:    | Vertical (V) |
| Stop Frequency:   | 2700 MHz | Input Impedance: | 50           |
| Max. Input Power: | 10 W     |                  |              |

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

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