

# Laird Connectivity FG9026 Omni-Directional Antenna 900MHz 8dBi

SKU: ANT-LA-00001

MPN: 814-FG9026

## Description

The Laird Connectivity FG9026 Omni-Directional Antenna is a high-performance collinear antenna ideal for applications requiring reliable 900MHz communication. Constructed from durable fibreglass, this antenna operates efficiently within a broad temperature range of -55 °C to 85 °C, ensuring robust performance in various environmental conditions.

With a peak gain of 8dBi and vertical polarisation, the FG9026 delivers strong, consistent signals across the 902 MHz to 928 MHz frequency range. Its design supports a 360° azimuth beamwidth, making it suitable for wide-area coverage in industrial, commercial, and agricultural applications. The antenna features a single N Female RF connection, allowing seamless integration with existing systems.

Designed with a 1x1 SISO configuration, the FG9026 supports up to 100W input power, maintaining a low VSWR of <1.5:1 for optimal signal clarity. Its 50 Ω impedance ensures compatibility with a wide range...

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### Laird Connectivity

Laird Connectivity designs, develops, manufactures, and supports wireless systems solutions and performance materials for wireless and other advanced electronics applications. Its wireless systems solutions include infrastructure antenna systems, embedded wireless modules, telematics and wireless M2M solutions, wireless automation and control solutions, and connectivity products.

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# RF Specification

|                   |         |                  |              |
|-------------------|---------|------------------|--------------|
| Start Frequency:  | 902 MHz | Polarisation:    | Vertical (V) |
| Stop Frequency:   | 928 MHz | Input Impedance: | 50           |
| Max. Input Power: | 100 W   |                  |              |

## RF Connectors

| Ports | RF Interface |
|-------|--------------|
| 1     | N Female     |

## Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR    | Azimuth | Elevation |
|-------------|------------|-----------|---------|---------|-----------|
| 902 MHz     | 928 MHz    | 6 dBi     | < 1.5:1 | 360°    | 30°       |

# Physical Specification

|                             |           |             |                  |
|-----------------------------|-----------|-------------|------------------|
| Subtype:                    | Collinear | Dimensions: | 1549.4 x 33.27   |
| Input Ports:                | 1         | Materials:  | Fibreglass (GRP) |
| MIMO:                       | 1x1 SISO  | Weight:     | 0.5 kg           |
| Min. Operating Temperature: | -55 °C    |             |                  |
| Max. Operating Temperature: | 85 °C     |             |                  |

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