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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.

We simplify the ...

RF Specification

Start Frequency
902 MHz
Stop Frequency
928 MHz
Max. Input Power
100 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
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
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-55 °C
Max. Operating Temperature
85 °C
Dimensions
1549.4 x 33.27
Materials
Fibreglass (GRP)
Weight
0.5 kg

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