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Laird YA9-11 11 dBi Yagi Antenna, 860 to 960MHz

SKU: ANT-LA-00002 MPN: 814-YA9-11

Description

The Laird YA9-11 Yagi Antenna, designed by Laird Connectivity, offers exceptional performance for wireless systems within the 860 to 960 MHz frequency range. With an 11 dBi peak gain, this antenna provides robust signal strength, ideal for applications requiring reliable long-range communication. Constructed from durable Stainless Steel (304), it ensures resilience in diverse environmental conditions, operating effectively from -45°C to 70°C.

The antenna is vertically polarised and features a single N Female RF connection, supporting up to 100 W of input power with a 50 Ω impedance, making it suitable for various industrial and commercial applications. Its compact design, measuring 35.4 inches in length and weighing only 1.1 kg, facilitates easy installation and integration into existing systems.

Compliant with RoHS standards, the YA9-11 Yagi Antenna is a dependable choice for infrastructure antenna systems, telematics, wireless M2M...

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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: | 860 MHz | Polarisation: | Vertical (V) |
|-------------------|---------|------------------|--------------|
| Stop Frequency: | 960 MHz | Input Impedance: | 50 |
| Max. Input Power: | 100 W | | |

RF Connectors

PortsRF Interface1N Female

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR | Azimuth | F/B Ratio |
|-------------|------------|-----------|---------|---------|-----------|
| 860 MHz | 960 MHz | 11 dBi | < 1.5:1 | 50° | > 15 dB |

Physical Specification

| Subtype: | Yagi | Dimensions: | 35.4 in x 6 in |
|-----------------------------|----------|----------------------------|-----------------------|
| Input Ports: | 1 | Materials: | Stainless Steel (304) |
| MIMO: | 1x1 SISO | Weight: | 1.1 kg |
| Min. Operating Temperature: | -45 °C | Compliance/Certifications: | RoHS |
| Max. Operating Temperature: | 70 °C | | |

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