

## 400-430 MHz LoRa Aluminum Yagi Antenna With 12dBi High Gain

### Part No:AC-D415Y12-09

#### 1. Introduction

Yagi antennas are typically very directional and are used for point to point, or to extend the range of a point to multi-point system.

Our AC-D415Y12-09 antenna offers an extremely wide frequency range, high gain and Aluminum material.

This antenna has an excellent front to back ratio to block unwanted signals and provides outstanding corrosion resistance and longevity in the harshest environments.



## 2. Specification

### Electrical

|                               |                        |
|-------------------------------|------------------------|
| Frequency Range               | 400-430MHz             |
| Band width                    | 415±15MHz              |
| Gain                          | 12dBi                  |
| F/B Ratio                     | ≥16                    |
| Horizontal Beam width         | 44°                    |
| Vertical Beam width           | 40°                    |
| V.S.W.R                       | ≤2.0                   |
| Radiation                     | Direction              |
| Polarization                  | Vertical or Horizontal |
| Lightning Protection          | DC Grounded            |
| Maximum Input Power           | 50W                    |
| Impedance                     | 50Ω                    |
| Connector                     | N Female               |
| Cable Length                  | 30cm                   |
| Antenna Material              | Aluminum               |
| Mounting way                  | Pole Mount             |
| Diameter of Installation Pole | Φ30-50mm               |

### Mechanical

|                       |               |
|-----------------------|---------------|
| Antenna Dimension     | 1330x375x75mm |
| Weight                | 1KG           |
| Operating Temperature | -40℃ to+80℃   |
| Rated Wind Velocity   | 60m/s         |
| RoHS Compliant        | YES           |