ZCG LoRa 6-Element Yagi Antenna, 868 to 928 MHz, 11 dBi, N Female

SKU
ACC-ZC-00066
MPN
Y806B-R

Description

The ZCG LoRa 6-Element Yagi Antenna (SKU: ACC-ZC-00066) is a robust solution designed for applications within the 868 to 928 MHz frequency range, suitable for use in RF communication systems requiring reliable performance. This Yagi antenna, crafted from durable aluminium, provides a peak gain of 11 dBi, ensuring enhanced signal reception and transmission.

Engineered for vertical polarisation, it features a single N Female input port, supporting seamless integration into existing systems. Its 50 Ω impedance and capability to handle up to 50 W of input power make it versatile for various demanding environments. The antenna maintains a low VSWR of 1.5:1, guaranteeing efficient power transfer and minimal signal reflection.

With an elevation beamwidth of 46° and an azimuth beamwidth of 51°, it offers excellent directional control, while the front-to-back ratio of > 15 dB ensures reduced interference from unwanted signals. This makes it ideal...

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ZCG Scalar

ZCG Scalar™ is a world class radio frequency antenna designer, manufacturer and consulting organisation that offer an integrated approach to identifying RF solutions in partnership with client needs.

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RF Specification

Start Frequency
868 MHz
Stop Frequency
928 MHz
Max. Input Power
50 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	F/B Ratio
868 MHz	928 MHz	11 dBi	< 1.5:1	51°	46°	> 15 dB

Physical Specification

Subtype
Yagi
Input Ports
1
MIMO
1x1 SISO
Materials

Aluminium
Weight
0.5 kg

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