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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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RF Specification

Start Frequency:	868 MHz	Polarisation:	Vertical (V)
Stop Frequency:	928 MHz	Input Impedance:	50 Ω
Max. Input Power:	50 W		

RF Connectors

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.

ZCG Scalar™ is an Australian owned business operating since 1970. We manufacture hundreds of antenna models to suit your RF communication and broadcasting requirements. The design and development of ...

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	Materials:	Aluminium
Input Ports:	1	Weight:	0.5 kg
MIMO:	1x1 SISO		

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