902-928Mhz 3dBi Fiberglass Antenna
OKdo SKU:

DESIGN THE WORLD

Product Details

This outdoor rated fiberglass antenna will help achieve optimal transmission and reception when attached to IoT equipment. The slim pole design can easily be attached to multiple surfaces using the clamp set included in the kit that fits around the grooves in the metal end of the aerial.
Typically used at the gateway side of a network link, this range of OKdo antennas could also be used with remote devices if dimensions are suitable.





Features and Benefits

The outdoor antenna is manufactured from robust fiberglass which is naturally resistant to corrosion and weather deterioration with minimal degradation on the transmitted or received signal.

Kit Contents

Fiberglass antenna（The antenna color is gray by default）	X 1
Magnet type suction cup base+RP SMA plug	X 1
Cables (2000mm)	Sold separately

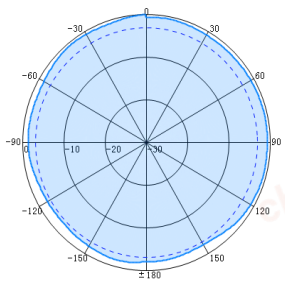
Technical Specifications

Electrical Specifications	
Frequency Rang	902-928MHz
Polarization	Vertical
Gain	3 ± 1d Bi
Horizontal Beam width	360°
Vertical Beam width	50°
VSWR	≤1.8
Nominal Impedance	50Ω
Maximum Power	50W
Mechanical Specifications	
Connector	N-J
Max. Wind Velocity	210km/h
Mounting Mast size	Φ30-50mm
Dimensions	Φ20x360mm
Weight	0.5KG
Operating Temperature	-40～+60℃

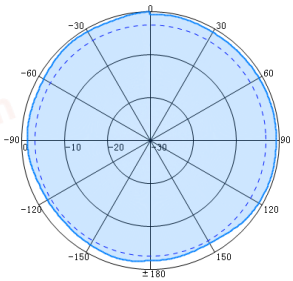
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Internal

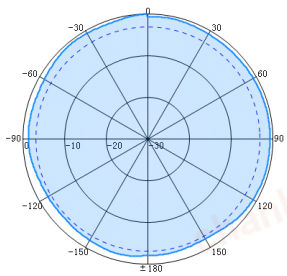
Approvals



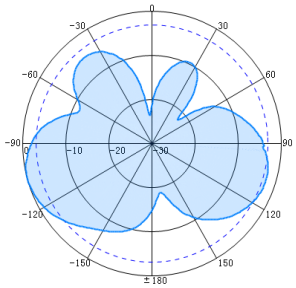
Freq:900MHz
Date:2021-11-05
Elevation:H-plane
Polar-Across:Main
Polarization:Vertical
Max:-37.93dB
HPBW(3dB):360.00°
Circularity:1.24



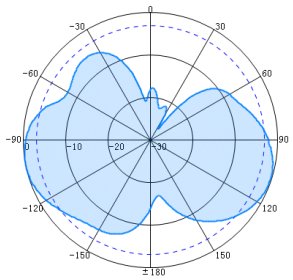
Freq:900MHz
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Polarization:Vertical
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HPBW(3dB):360.00°
Circularity:1.24



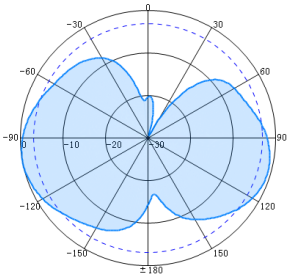
Freq:900MHz
Date:2021-11-05
Elevation:H-plane
Polar-Across:Main
Polarization:Vertical
Max:-37.93dB
HPBW(3dB):360.00°
Circularity:1.24



Freq:900MHz
Date:2021-11-05
Elevation:V-plane
Polar-Across:Main
Polarization:Vertical
Max:-37.85dB
HPBW(3dB):44.40°
Circularity:15.07



Freq:915MHz
Date:2021-11-05
Elevation:V-plane
Polar-Across:Main
Polarization:Vertical
Max:-39.63dB
HPBW(3dB):50.66°
Circularity:18.88

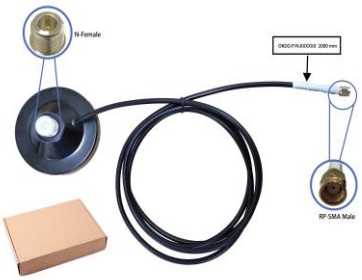


Freq:930MHz
Date:2021-11-05
Elevation:V-plane
Polar-Across:Main
Polarization:Vertical
Max:-39.41dB
HPBW(3dB):59.60°
Circularity:32.81

How to Install

Internal

This example shows how to attach the antenna.





The antenna N-type port is connected to the base N-type port, and the SMA port on the cable end is connected to the SMA port on the device.

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Internal

Technical Drawings

