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2J 4G-5G WiFi Ultraband Weatherproof Adhesive Antenna, 617 to 5925 MHz

SKU
ANT-2J-00002
MPN
2J4983P

Description

The 2J 4G-5G WiFi Ultraband Weatherproof Adhesive Antenna (SKU: ANT-2J-00002, Part Number: 2J4983P) is a versatile adhesive patch antenna ideal for a range of applications, including automotive, marine, and M2M markets. This antenna operates within a broad frequency range of 617 to 5925 MHz, providing reliable performance across multiple bands. Made from durable ASA plastic, it features an IP67 ingress protection rating, ensuring robust weather resistance, and functions efficiently in temperatures from -40 °C to 85 °C.

The antenna supports a 1x1 SISO configuration, with a single RF connection via an SMA Male interface. It connects using an L-195 cable, 300 mm in length, and is linear polarised with a 50 Ω impedance, handling up to 25 W input power.

The antenna is RoHS compliant, reflecting its adherence to environmental standards. As a product from 2J, a leader in antenna solutions, it benefits from advanced engineering and design tools...

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2J

2J is a worldwide supplier of antenna solutions for Automotive, Marine, Telematic, Automation and M2M markets. 2J utilise a plethora of modern engineering tools, from network analysers and anechoic chambers, to simulation software and 3D printers. These tools help reduce design phases, and enable us to react to customers' needs promptly and efficiently.

Over the past decade, 2J has established ...

RF Specification

Cable 1: 5GNR

Start Frequency
617 MHz
Stop Frequency
5925 MHz
Max. Input Power
25 W
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	L-195	3000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Avg. Gain	Efficiency

617 MHz	960 MHz	2.2 dBi	> 8.2 dB	< 2.8:1	-2.8 dBi	56%
1427 MHz	2690 MHz	3.5 dBi	> 12.3 dB	< 1.8:1	-2.2 dBi	60%
3300 MHz	5000 MHz	3 dBi	> 8.6 dB	< 2.3:1	-3.6 dBi	46%
5150 MHz	5925 MHz	0.5 dBi	> 7.6 dB	< 2.8:1	-6.3 dBi	26%

Physical Specification

Subtype
Adhesive Patch
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Dimensions
150.5 x 42 x 15.3
Ingress Protection
IP67
Materials
ASA Plastic
Mounting
Adhesive
Compliance/Certifications
RoHS

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