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2J Blade 4G-5G WiFi Ultraband Hinged Antenna, 617 to 5925 MHz, SMA Male

SKU
ANT-2J-00001
MPN
2JW1183-C952B

Description

Introducing the 2J Blade 4G-5G WiFi Ultraband Hinged Antenna (SKU: ANT-2J-00001), designed for robust performance across a wide frequency range from 617 MHz to 5925 MHz. Engineered with precision, this hinged terminal antenna features a compact design measuring 135 x 19 x 10 mm and is constructed from durable polycarbonate and ABS plastic. It operates effectively in harsh environments with a temperature range of -40 °C to 85 °C.

The antenna supports one SMA Male RF connection and delivers reliable performance with a 50 Ω impedance, handling up to 25 W input power.

Performance metrics include a peak gain of -1.1 dBi and radiated efficiency of 38% for 617-960 MHz, a peak gain of 0.5 dBi and 43% efficiency for 1427-2690 MHz, and a peak gain of 1.6 dBi with 42% efficiency for 5150-5925 MHz. The antenna is RoHS compliant, ensuring adherence to environmental standards.

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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

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

RF Interface	Body Shape
SMA Male	Straight

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth	Avg. Gain	Efficiency
617 MHz	960 MHz	-1.1 dBi	> 11.2 dB	< 2:1	360°	-4.3 dBi	38%

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth	Avg. Gain	Efficiency
1427 MHz	2690 MHz	0.5 dBi	> 10.7 dB	< 2.6:1	360°	-3.8 dBi	43%
3300 MHz	5000 MHz	0.3 dBi	> 11.4 dB	< 2.3:1	360°	-4.6 dBi	35%
5150 MHz	5925 MHz	1.6 dBi	> 8.8 dB	< 2.1:1	360°	-3.8 dBi	42%

Physical Specification

Subtype
Hinged Terminal
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Dimensions
135 x 19 x 10
Materials
ABS Plastic, Polycarbonate (PC)
Mounting
Terminal / Device
Compliance/Certifications
RoHS

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