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

SKU
ANT-2J-00010
MPN
2J5083P

Description

The 2J I-Bar 4G-5G WiFi Ultraband Adhesive Antenna (SKU: ANT-2J-00010) offers robust performance across a wide frequency range of 617 to 5925 MHz. Crafted from durable polycarbonate and ABS plastic, this compact adhesive patch antenna is designed to withstand extreme temperatures from -40 °C to 85 °C, making it suitable for various challenging environments.

With a 1x1 SISO configuration and a linear polarisation, this antenna supports a 50 Ω impedance and handles up to 35 W of input power. Its RF performance covers multiple frequency bands, making it ideal for diverse applications. Whether in automotive, marine, telematics, or M2M markets, this antenna provides reliable connectivity. The antenna features a single SMA Male interface with a straight connector body, connected via a 300 mm L-100 cable, ensuring easy integration into existing systems.

Meeting RoHS compliance standards, the 2J I-Bar antenna is not only high-performing but also...

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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

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

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	L-100	3000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Efficiency
617 MHz	960 MHz	3.2 dBi	> 15.3 dB	< 1.5:1	60%
1427 MHz	2690 MHz	3.6 dBi	> 12.8 dB	< 1.7:1	46%

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Efficiency
3300 MHz	5000 MHz	1 dBi	> 12.1 dB	< 1.8:1	25%
5150 MHz	5925 MHz	1.6 dBi	> 15.6 dB	< 1.5:1	25%

Physical Specification

Subtype
Adhesive Patch
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Dimensions
116 x 22 x 6.7
Materials
ABS Plastic, Polycarbonate (PC)
Mounting
Adhesive
Compliance/Certifications
RoHS

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