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2J Dual-Band WiFi Adhesive Antenna, 2410 to 5925 MHz, TNC Male, 3m

SKU
ANT-2J-00037
MPN
2J5502P-300LL100-C118NYST CU022737

Description

The 2J Dual-Band WiFi Adhesive Antenna (ANT-2J-00037) is designed for seamless connectivity across 2.4 GHz and 5.0 GHz frequency bands, making it ideal for automotive, M2M, base station, and embedded applications. With a compact size of 71 x 25 x 7 mm, this adhesive patch antenna is fabricated from durable ABS plastic, ensuring reliability in harsh environments with an operating temperature range of -40 °C to 85 °C.

Engineered for optimal RF performance, the antenna features a 1x1 SISO configuration with a 50 Ω impedance and supports up to 25 W input power. It offers a peak gain of 3.4 dBi in the 2410-2490 MHz band and 2.6 dBi in the 4920-5925 MHz band. Its linear polarisation and RP-SMA Male interface, connected via a 3m cable, ensure robust signal transmission.

2J, a leader in antenna solutions, utilises state-of-the-art engineering tools to deliver high-quality products tailored to specific customer requirements. The company's...

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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

2.4/5.0 GHz ISM Antenna

Start Frequency
2410 MHz
Stop Frequency
5925 MHz
Max. Input Power
25 W
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Cable Series	Length
1	RP-SMA Male	L-100	3000 mm

Frequency Test Data

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

2410 MHz	2490 MHz	3.4 dBi	> 18.1 dB	< 1.3:1	-2.5 dBi	57%
4920 MHz	5925 MHz	2.6 dBi	> 11.2 dB	< 1.9:1	-4.7 dBi	34%

Physical Specification

Subtype
Adhesive Patch
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Dimensions
71 x 25 x 7
Materials
ABS Plastic
Mounting
Adhesive
Compliance/Certifications
RoHS

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