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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](#)

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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