

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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RF Specification

2.4/5.0 GHz ISM Antenna

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

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

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