

2J Dual-Band WiFi Adhesive Antenna, 2410 to 5925 MHz

SKU: ANT-2J-00011
MPN: 2J5502P

Description

The 2J Dual-Band WiFi Adhesive Antenna (SKU: ANT-2J-00011) is a high-performance solution designed for versatile connectivity across automotive, marine, telematics, automation, and M2M applications. Operating within the 2410 to 5925 MHz frequency range, this antenna ensures reliable dual-band WiFi connectivity. It features an adhesive patch design for easy installation and is constructed from durable ABS plastic, allowing it to withstand temperatures from -40 °C to 85 °C.

The antenna offers a single RF connection via an RP-SMA Male interface, supported by a 300 mm L-100 cable. Its linear polarisation and 50 Ω impedance make it suitable for a range of demanding environments. In the 2.4 GHz band, it achieves a peak gain of 3.4 dBi and a VSWR of less than 1.3:1, while in the 5 GHz band, it offers a peak gain of 2.6 dBi with a VSWR of less than 1.9:1. The antenna's 360° azimuth beamwidth ensures comprehensive coverage, with radiated...

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RF Specification

Cable 1: 2.4/5.0 GHz ISM

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

RF Connectors

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

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth	Avg. Gain	Efficiency
2410 MHz	2490 MHz	3.4 dBi	> 18.1 dB	< 1.31:1	360°	-2.5 dBi	57%
4920 MHz	5925 MHz	2.6 dBi	> 11.2 dB	< 1.91:1	360°	-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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