

## 2J 2J472B 2.4 GHz WiFi Stud Mount Antenna

### Product Code

2J472B

### Polarisation

Vertical (V)

### Design Type

Planar / Blade

### Application Category

IoT/M2M

### RF Category

WiFi



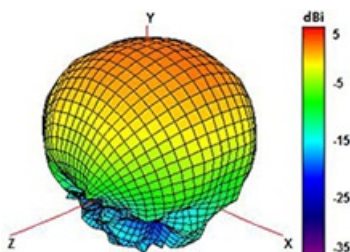
The 2J472B 2.4 GHz WiFi stud mount antenna is a durable WiFi antenna with stable performance across the entire 2.4 GHz Wi-Fi band, making it suitable for ISM applications such as Bluetooth and Zigbee. When mounted on a 300 x 300 mm groundplane the antenna has a stable radiation pattern and omnidirectional gain across all bands ensuring consistent and reliable reception and transmission.

The IP69K ingress rating provides this compact antenna with maximum protection against dust and water penetration.

This stud mount antenna comes with low loss cables thread through a single mounting hole for easy installation. Cables and connectors can be customised to specific requirements. A truly versatile antenna solution allowing to change (other technologies) or remove antennas and its respective cable to satisfy your end application.

- 2.4 GHz WiFi and ISM antenna
- Weatherproof IP69K design
- Stud mounted with weatherproofing gasket
- 1x 3 metre RG174 cable with SMA Male connector
- Fully customisable cable length and connector

### ▼ Antenna Technical Data



#### Physical Characteristics

Construction Material	ABS Plastic	RF Connections	1
Radome Colour	Other - Black	Environmental Rating	IP69K
Dimensions	26 x 52 mm (H x ø)	Operating Temperature	-40 °C to 85 °C

## Physical Characteristics

Weight	No Data	Mounting	Stud, M10, 14 mm nut
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### ▼ 2.4 GHz WiFi Element

#### Electrical Specifications

Input Impedance 50  $\Omega$

Polarisation **Vertical (V)**

Max. Input Power 25 W

PIM, 3rd Order -

#### Mechanical Specifications

Input Connector **SMA**

Input Connector Gender Male

Cable Series **RG-174**

Cable Length 3000 mm

### ▼ Range: 2410 to 2490 MHz

Peak Gain 2.20 dBi

VSWR 1.6:1

Radiation Efficiency 27%

Front-to-Back Ratio -

Cross-Polar Discrimination -

Azimuth Beamwidth 360°

Elevation Beamwidth No Data

Electrical Tilt 0°

Inter-Port Isolation -

Cross-Polar Isolation -

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