

2J 915 MHz LPWAN Narrowband Stud Antenna, 902 to 928 MHz

SKU: ANT-2J-00022
 MPN: 2J7615B-915

Description

The 2J 915 MHz LPWAN Narrowband Stud Antenna (SKU: ANT-2J-00022), designed by 2J, offers robust performance for various applications, including automotive, M2M, and base stations. With an IP67 rating, this ASA plastic antenna is built to withstand harsh environments, operating from -40 °C to 85 °C. It features a single SMA Male RF connection and supports a frequency range of 902 to 928 MHz, making it ideal for ISM band applications.

The antenna excels with a linear polarisation, 50 Ω impedance, and power handling up to 25 W. It provides a peak gain of 2.5 dBi, an azimuth beamwidth of 360°, and a radiated efficiency of 51%. The VSWR is maintained at less than 2.1:1, ensuring reliable signal performance. The 3000 mm L-100 cable enhances installation flexibility.

2J, a trusted Slovakian brand, leverages advanced tools like network analysers and 3D printers to deliver high-quality antenna solutions. Known for its innovation, 2J serves diverse...

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RF Specification

915 MHz ISM Antenna



Start Frequency:

902 MHz

Polarisation:

Linear

Stop Frequency:

928 MHz

Input Impedance:

50

Max. Input Power:

25 W

2J is a worldwide supplier of antenna solutions for Automotive, Marine, Telematic, Automation and M2M markets. 2J utilises 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.

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RF Connectors

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

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | Return Loss | VSWR | Azimuth | Avg. Gain | Efficiency |
|-------------|------------|-----------|-------------|---------|---------|-----------|------------|
| 902 MHz | 928 MHz | 2.5 dBi | > 10.1 dB | < 2.1:1 | 360° | -3 dBi | 51% |

Physical Specification

| | | | |
|-----------------------------|--------------------|----------------------------|-------------------------|
| Subtype: | Fin / Stud / Combo | Dimensions: | 50 x 50.8 |
| Input Ports: | 1 | Ingress Protection: | IP67 |
| MIMO: | 1x1 SISO | Materials: | ASA Plastic |
| Min. Operating Temperature: | -40 °C | Mounting: | Stud / Bulkhead / Panel |
| Max. Operating Temperature: | 85 °C | Compliance/Certifications: | RoHS |

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