

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

SKU: ANT-2J-00016

MPN: 2J6615B-915

Description

The 2J 915 MHz LPWAN Narrowband LP-Stud Antenna (SKU: ANT-2J-00016, Part Number: 2J6615B-915) is an advanced antenna solution designed by 2J, a renowned Slovakian brand known for its innovative antenna technologies. This Fin/Stud/Combo antenna operates within the 902 to 928 MHz frequency range, making it ideal for ISM band applications. With a 50 Ω impedance and support for up to 25 W input power, it delivers reliable performance with a peak gain of 0.9 dBi and a VSWR of less than 1.5:1.

The antenna is constructed to withstand harsh environments, featuring an IP67 ingress protection rating and a broad operational temperature range from -40 °C to 85 °C, ensuring durability and consistent performance in demanding conditions. Its linear polarisation and compact size (77.3 x 15 mm) make it suitable for a variety of applications including automotive, M2M, base stations, and embedded systems.

2J's antennas are supported by a wealth of modern...

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RF Specification

2J 915 MHz ISM Antenna



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 ...

| | | | |
|------------------|---------|---------------|--------|
| Start Frequency: | 902 MHz | Polarisation: | Linear |
|------------------|---------|---------------|--------|

| | | | |
|-----------------|---------|------------------|----|
| Stop Frequency: | 928 MHz | Input Impedance: | 50 |
|-----------------|---------|------------------|----|

| | |
|-------------------|------|
| Max. Input Power: | 25 W |
|-------------------|------|

RF Connectors

| Ports | RF Interface | Body Shape | Cable Series | Length |
|-------|--------------|------------|--------------|---------|
| 1 | SMA Male | Straight | RG-174 | 3000 mm |

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | Return Loss | VSWR | Avg. Gain | Efficiency |
|-------------|------------|-----------|-------------|---------|-----------|------------|
| 902 MHz | 928 MHz | 0.85 dBi | > 13.5 dB | < 1.5:1 | -4.7 dBi | 34% |

Physical Specification

| | | | |
|-----------------------------|--------------------|----------------------------|--------------------------------------|
| Subtype: | Fin / Stud / Combo | Dimensions: | 77.3 x 15 |
| Input Ports: | 1 | Ingress Protection: | IP67 |
| MIMO: | 1x1 SISO | Materials: | Thermoplastic Elastomer (TPE), ZAMAK |
| Min. Operating Temperature: | -40 °C | Mounting: | Stud / Bulkhead / Panel |
| Max. Operating Temperature: | 85 °C | Compliance/Certifications: | RoHS |

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