

# 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  $\Omega$  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.

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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		

### 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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