

# 2J 915 MHz LPWAN Narrowband Hinged Antenna, 902 to 928 MHz, SMA Male

SKU: ANT-2J-00005

MPN: 2JW0515-915-C952B

## Description

The 2J 915 MHz LPWAN Narrowband Hinged Antenna (SKU: ANT-2J-00005, Part No: 2JW0515-915-C952B) offers robust performance for applications in automotive, marine, telematic, automation, and M2M markets. This hinged terminal antenna operates within a frequency range of 902 MHz to 928 MHz and features a linear polarisation. It is equipped with a single SMA Male interface with a straight connector, ensuring easy integration.

With dimensions of 173 x 10 mm, the antenna is compact yet durable, capable of withstanding temperatures from -40 °C to 85 °C. It supports up to 25 W of input power and maintains a 50  $\Omega$  impedance. The antenna's peak gain is 2.0 dBi, with an average gain of -1.7 dBi, and radiated efficiency of 68%, ensuring reliable connectivity. The VSWR is maintained at less than 2.4:1, optimising signal quality.

RoHS compliant, this antenna reflects 2J's commitment to quality and environmental standards. Based in Slovakia, 2J is a global...

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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 ...

# RF Specification

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
1	SMA Male	Straight

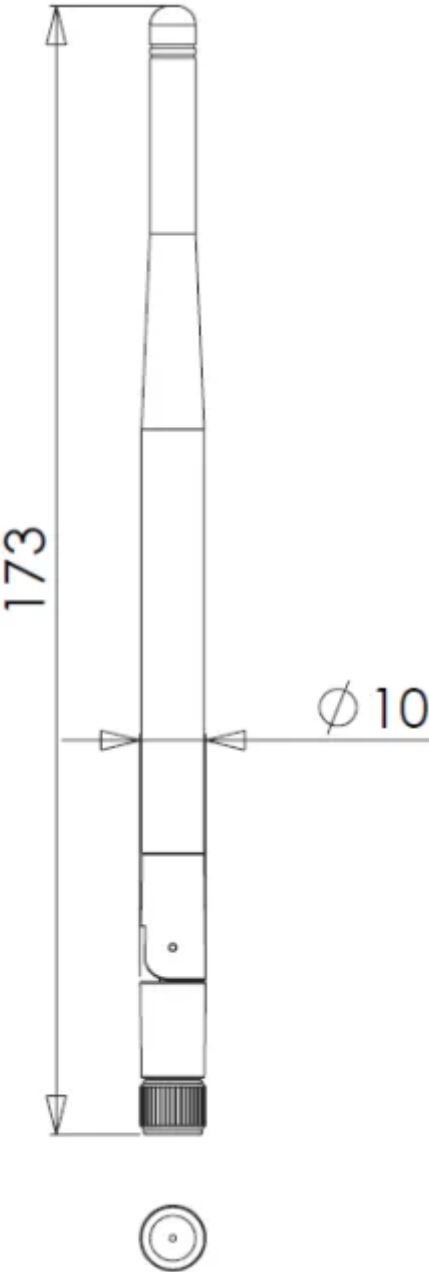
## Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Avg. Gain	Efficiency
902 MHz	928 MHz	2 dBi	> 7.8 dB	< 2.4:1	-1.7 dBi	68%

# Physical Specification

Subtype:	Hinged Terminal	Dimensions:	173 x 10
Input Ports:	1	Mounting:	Terminal / Device
MIMO:	1x1 SISO	Compliance/Certifications:	RoHS
Min. Operating Temperature:	-40 °C		
Max. Operating Temperature:	85 °C		

Drawing



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