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

SKU
ANT-2J-00032
MPN
2J2115B-915-B05H

Description

The 2J 915 MHz LPWAN Narrowband Dipole Antenna, model 2J2115B-915-B05H, is designed for optimal performance within the 902 to 928 MHz frequency range, making it ideal for ISM applications. Constructed with durable ASA plastic, brass, and stainless steel, it boasts an IP67 ingress protection rating, ensuring reliable operation in harsh environments. The antenna's linear polarisation and 50 Ω impedance support up to 25 W input power, making it suitable for diverse applications such as automotive, M2M, and base stations.

Featuring a peak gain of 3.1 dBi, a VSWR of less than 1.9:1, and 71% radiated efficiency, this single-input antenna delivers robust performance. Its 360° azimuth beamwidth ensures comprehensive coverage, while the average gain of -1.8 dBi highlights its stable performance. The antenna is equipped with an SMA male interface and a 3000 mm RG-58 cable, facilitating easy integration into existing systems.

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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

915 MHz ISM Antenna

Start Frequency
902 MHz
Stop Frequency
928 MHz
Max. Input Power
25 W
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-58	3000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth	Avg. Gain	Efficiency
902 MHz	928 MHz	3.1 dBi	> 10.9 dB	< 1.9:1	360°	-1.8 dBi	71%

Physical Specification

Subtype
Dipole
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Dimensions
325 x 36 x 155 (220 x 16)
Ingress Protection
IP67
Materials
ASA Plastic, Brass, Stainless Steel (303)
Mounting
Wall / Vertical Surface
Compliance/Certifications
RoHS

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