Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

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...

Read More



2J

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

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

