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

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