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2J 4G-5G Low Profile Magnetic Whip Antenna, 617 to 5925 MHz, SMA Male, 3m

SKU
ANT-2J-00038
MPN
S1304100729

Description

The 2J 3G-5G Low Profile Magnetic Whip Antenna (SKU: ANT-2J-00038) is a versatile solution designed for broad telecommunication applications, offering coverage from 617 to 5925 MHz. Engineered with a robust build of brass and polypropylene, it delivers reliable performance across extreme temperatures ranging from -40 °C to 85 °C. This antenna is equipped with a single SMA Male connector and a 3-metre cable, ensuring easy integration into various systems.

With a linear polarisation and 50 Ω impedance, this whip antenna efficiently supports up to 35 W of input power. Its design caters to a wide range of applications including automotive, M2M, base stations, and embedded systems, making it ideal for both standard and custom installations. The antenna's omnidirectional azimuth beamwidth of 360° ensures comprehensive signal coverage.

2J, a Slovakian leader in antenna technology, provides innovative solutions for markets such as automotive...

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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

5GNR Antenna

Start Frequency
617 MHz
Stop Frequency
5925 MHz
Max. Input Power
35 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
617 MHz	960 MHz	1 dBi	> 11.5 dB	< 1.8:1	360°	-2.2 dBi	61%
1427 MHz	2690 MHz	2.9 dBi	> 10.4 dB	< 1.9:1	360°	-2.6 dBi	55%
3300 MHz	5000 MHz	2.5 dBi	> 7.4 dB	< 2.6:1	360°	-5.7 dBi	28%
5150 MHz	5925 MHz	-0.4 dBi	> 6.6 dB	< 2.8:1	360°	-6.4 dBi	23%

Physical Specification

Subtype
Whip
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Dimensions
31 x 109
Materials
Brass, Polypropylene (PP)
Compliance/Certifications
RoHS

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