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2J Mini-Shaker 4G Stud Mount Antenna, 700 to 2700 MHz

SKU
ANT-2J-00023
MPN
2J7624B SI302100129

Description

The 2J Mini-Shaker 4G Stud Mount Antenna (SKU: ANT-2J-00023), developed by 2J, is designed for optimal performance across a broad frequency range of 700 to 2700 MHz. Constructed from durable ASA Plastic and ZAMAK, this compact antenna, measuring 50 x 50.8 mm, is IP67 certified, ensuring robust protection against dust and water, and operates reliably in temperatures from -40 °C to 85 °C.

The antenna supports 4G LTE applications with a single RF connection via an SMA Male interface, attached to a 3000 mm L-100 cable. Its linear polarisation and 50 Ω impedance make it suitable for various telecommunication applications. The antenna's RF performance includes a peak gain of up to 3.2 dBi and efficient radiation characteristics across its operational bands.

2J, a Slovakian leader in antenna solutions, caters to markets including automotive, marine, telematics, automation, and M2M. Known for innovative engineering and customised solutions, 2J...

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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

Cable 1: 4G LTE

Start Frequency

698 MHz

Stop Frequency

2700 MHz

Max. Input Power

25 W

Polarisation

[Linear](#)

Input Impedance

50 Ω

RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
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1	SMA Male	Straight	L-100	3000 mm
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Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth	Avg. Gain	Efficiency
698 MHz	960 MHz	2.6 dBi	> 10.1 dB	< 2.1:1	360°	-2.5 dBi	56%
1710 MHz	2170 MHz	3.2 dBi	> 11.5 dB	< 1.8:1	360°	-2.5 dBi	56%
2500 MHz	2700 MHz	1.4 dBi	> 7.5 dB	< 2.5:1	360°	-4.2 dBi	38%

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 (Dia x H)

Ingress Protection

[IP67](#)

Materials

[ASA Plastic](#), [ZAMAK](#)

Mounting

[Stud / Bulkhead / Panel](#)

Compliance/Certifications

RoHS

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