

# 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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## RF Specification

Cable 1: 4G LTE  
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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.

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Start Frequency:	698 MHz	Polarisation:	Linear
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Stop Frequency:	2700 MHz	Input Impedance:	50
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Max. Input Power:	25 W
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#### 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
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	Dimensions:	50 x 50.8 (Dia x H)
Input Ports:	1	Ingress Protection:	IP67
MIMO:	1x1 SISO	Materials:	ASA Plastic, ZAMAK
Min. Operating Temperature:	-40 °C	Mounting:	Stud / Bulkhead / Panel
Max. Operating Temperature:	85 °C	Compliance/Certifications:	RoHS

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