

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.

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RF Specification

Cable 1: 4G LTE

Start Frequency:	698 MHz	Polarisation:	Linear
Stop Frequency:	2700 MHz	Input Impedance:	50
Max. Input Power:	25 W		

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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