Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

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...

Read More



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
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
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

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE

INFORMATION.

