

2J 2JW0124-C868B Wideband Cellular Terminal Antenna

Product Code

2JW0124-C868B

Polarisation

Vertical (V)

Design Type

Microstrip Patch

Application Category

IoT/M2M

RF Category

Cellular



2JW0124 is Ultra wide band High performance connector mount antenna solution for worldwide 4G LTE with 2G, 3G fallback compatibility, covering all cellular bands ranging from 698 to 960, 1710 to 2170, and 2500 to 2700 MHz.

High efficiency, high gain and omnidirectional properties gives the antenna consistent and stable connectivity with high throughput data to access points, routers, small base station, femto cells, repeaters, boosters, fleet management devices and other telematics devices with cellular needs.

This antenna is ideal for major carrier approvals and certification process around the globe. The antenna can freely swivel 360 degrees and features a hinged connector up to 90 degrees, having flexibility in orientation with respect to the device for easier installation or multiple antenna mounting.

Two variations of mounting swivels allow different orientation of antennas on devices with MIMO systems. See the different swivel orientation on 2JW0124a antenna.

- Ground plane independent
- Very high efficiency
- Wideband covering most cellular bands between 698 and 2700 MHz
- Swivelling hinged connector

▼ Antenna Technical Data

Physical Characteristics

Construction Material	ABS Plastic Polycarbonate (PC)	RF Connections	1
Radome Colour	Other - Black	Environmental Rating	No Data
Dimensions	171 x 38 x 13.8 mm (H x W x D)	Operating Temperature	-40 °C to 85 °C
Weight	No Data	Mounting	Terminal, attaches to SMA Female

▼ Cellular Microstrip Element

Electrical Specifications

Input Impedance 50 Ω

Polarisation **Vertical (V)**

Max. Input Power 25 W

PIM, 3rd Order -

Mechanical Specifications

Input Connector **SMA**

Input Connector Gender Male

Cable Series -

Cable Length -

▼ Range: 698 to 960 MHz

Peak Gain 0.40 dBi

Azimuth Beamwidth 360°

VSWR 2.4:1

Elevation Beamwidth No Data

Radiation Efficiency 62%

Electrical Tilt 0°

Front-to-Back Ratio -

Inter-Port Isolation -

Cross-Polar Discrimination -

Cross-Polar Isolation -

▼ Range: 1710 to 2170 MHz

Peak Gain 2.60 dBi

Azimuth Beamwidth 360°

VSWR 1.6:1

Elevation Beamwidth No Data

Radiation Efficiency 75%

Electrical Tilt 0°

Front-to-Back Ratio -

Inter-Port Isolation -

Cross-Polar Discrimination -

Cross-Polar Isolation -

▼ Range: 2500 to 2700 MHz

Peak Gain 1.30 dBi

Azimuth Beamwidth 360°

VSWR 2.2:1

Elevation Beamwidth No Data

Radiation Efficiency 50%

Electrical Tilt 0°

Front-to-Back Ratio -

Inter-Port Isolation -

Cross-Polar Discrimination -

Cross-Polar Isolation -

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