



Blade 5G NR/4G/3G/2G Compact High Performance Hinged Swivel SMA-M

Description

Global Coverage Combined With High Performance in the Smallest Antenna Design on the Market
The 5G NR High Performance SMA-M Connector Mount Antenna (2JW1183-C952) is the newest addition to our “Blade Series” product line. This versatile antenna combines high performance with full bandwidth coverage for 5G NR, 4G LTE and 3G/2G/CDMA cellular spectrums and the smallest antenna design on the market. The innovative hinged swivel design allows the antenna to be positioned in a straight, right or 45-degree angle so it can be rotated into the direction with the most signal strength and reduce interference with other antennas nearby.

Suggested Applications:

– Terminals, Base Stations and Routers- High Traffic MIMO Device Connectivity- Industrial, Commercial and Residential IoT- Industrial, Commercial and Residential Smart Home / Office- ATM Machines- IoT Dispensers- Vending Machines- Electrical Metering

The 2JW1183-C952 has an omni-directional radiation pattern giving it a 360-degree uninterrupted signal quality with a maximum efficiency of ~43.3% and peak gains ranging between ~0.3 dBi and ~1.6 dBi across all frequencies. All our products are tested by our expert engineers and measured in our certified CTIA 3D Anechoic Chamber. Please contact our experienced team for assistance with antenna selection and recommendations.

Installation / Environmental

The antenna housing is manufactured from a PC/ABS UV protective material, allowing it to withstand extreme temperatures ranging between -40C to 85C and making it ideal for outdoor applications. The design dimensions are 135 x 19 x 10 mm (straight angle), 110 x 42 x 10 mm (right angle) and 88 x 112 x 10 mm (45-degree angle). This antenna is ground plane independent allowing for a wide range of installation options with minimal restrictions. 2J Antennas supports the health of our environment and manufactures all our products without hazardous materials making us fully REACH and RoHS compliant.

Technologies 5G, 4G, 3G and 2G

Standards 5G NR/4GLTE/FirstNet/CBRS/LPWA/CAT-X/CAT-Mx/CAT-NBx/NB-IoT/3G/2G

Frequency 617-960, 1427-2690, 3300-5000, 5150-5925

Return Loss (dB) ~-11.2, ~-10.7, ~-11.4, ~-8.8

VSWR ~2.0:1, ~2.6:1, ~2.3:1, ~2.2:1

Efficiency (%) ~37.6, ~43.3, ~35.1, ~41.9

Peak Gain (dBi) ~-1.1, ~0.5, ~0.3, ~1.6

Impedance (Ohm) 50

Polarisation Linear

Radiation Pattern Omni-Directional

Max. Input Power (W) 25

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nick