



5G NR/4G LTE/3G/2G MIMO Heavy-Duty Screw Mount IP67 IP69 IK09 Antenna

Description

Ultra-Reliable 5G NR MIMO Coverage in a Heavy-Duty Housing

The 5G NR MIMO SMA-Male High-Performance antenna (2J7183Bc) integrates durability and efficiency into a permanent solution. The 2J7183Bc offers 4x 5G NR-MIMO antennas that deliver powerful worldwide 5G NR/4G LTE MIMO coverage while also covering the 4G LTE, 3G and 2G bands. This antenna features an easy to install heavy-duty design, making it the #1 most reliable antenna in its category.

Suggested applications include:

– Terminal, Base Stations and 5G Routers- MIMO Device Connectivity- Industrial, Commercial and Residential IoT / Smart Home- Electrical and Environmental Monitoring- RFID Asset Tracking- Industrial Automation- Robotics-Real-Time Remote Control

Full 5G NR coverage (617-960, 1427-2690, 3300-5000 and 5150-5925 MHz)

Cables 1-4 are designed for 5G NR devices that operate within all 5G NR, 4G LTE, FirstNet, CBRS, LPWA, CAT-X, CAT-Mx, CAT-NBx, NB-IoT, 3G and 2G standards (617 – 5925 MHz). The 5G NR technology introduces millimeter-wave (mmWave) frequency for new generation LTE bands and is the ideal solution for MIMO technology. Each antenna can be used in any preferred combination or MIMO configuration.

All cables are designed with omni-directional radiation pattern and linear polarization for maximum 360-degree signal strength.

All our products have been 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 2J7183Bc is protected with a robust and heavy-duty housing made with high-quality acrylonitrile styrene acrylate (ASA) UV stable material, known for its thermal resistant properties, and an Aluminum Alloy base for maximum durability. Ground plane independence and screw mount technology allow for solidly locking the antenna on top of its mounting location making its installation easy and reliable. It comes with standard SMA-Male connector and 300 cm long LL195 Standard cable, a popular choice for in high-frequency applications up to 6 GHz. Cables and connectors can be customized to specific requirements. The IP67 and IP69 ingress ratings provide this compact antenna with maximum

protection against dust and water penetration, while the IK09 rating adds an extra level of anti-vandal security, with high impact resistance.

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/4G LTE/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) ~-5.5, ~-12.2, ~-15.2, ~-14.2

VSWR ~3.7:1, ~2.0:1, ~1.5:1, ~1.6:1

Efficiency (%) ~31.0, ~41.6, ~41.6, ~36.9

Peak Gain (dBi) ~1.3, ~3.4, ~4.7, ~4.0

Impedance (Ohm) 50

Polarisation Linear

Radiation Pattern Omni-Directional

Max. Input Power (W) 35

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

Standards 5G NR/4G LTE/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) ~-5.6, ~-12.7, ~-15.3, ~-16.0

VSWR ~3.7:1, ~1.9:1, ~1.5:1, ~1.5:1

Efficiency (%) ~31.2, ~41.4, ~42.4, ~33.1

Peak Gain (dBi) ~1.2, ~3.6, ~4.6, ~3.2

Impedance (Ohm) 50

Polarisation Linear

Radiation Pattern Omni-Directional

Max. Input Power (W) 35

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

Standards 5G NR/4G LTE/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) ~-5.4, ~-12.9, ~-16.7, ~-12.4

VSWR ~3.7:1, ~1.8:1, ~1.4:1, ~1.8:1

Efficiency (%) ~31.5, ~41.6, ~40.3, ~38.5

Peak Gain (dBi) ~1.3, ~3.8, ~4.5, ~4.6

Impedance (Ohm) 50

Polarisation Linear

Radiation Pattern Omni-Directional

Max. Input Power (W) 35

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

Standards 5G NR/4G LTE/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) ~-5.7, ~-12.8, ~-16.8, ~-15.4

VSWR ~3.5:1, ~1.8:1, ~1.5:1, ~1.5:1

Efficiency (%) ~31.2, ~41.8, ~42.5, ~35.0

Peak Gain (dBi) ~1.6, ~3.4, ~4.6, ~3.9

Impedance (Ohm) 50

Polarisation Linear

Radiation Pattern Omni-Directional
Max. Input Power (W) 35

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