



Low Profile 5G NR/4G/3G/2G/CDMA MIMO Magnetic Adhesive Mount Antenna

Description

The # 1 Choice Antenna Solution for High and Reliable Performance

2J Antennas has launched the 2J6983MPa 5G NR MIMO Magnetic/Adhesive Mount Antenna.

Designed to operate between 617-5925 MHz frequencies, the 2J6983MPa antenna will support 5G NR, 4G LTE, FirstNet, CBRS, LPWA, CAT-x, CAT-Mx, CAT-NBx, NB-IoT, 3G, 2G and CDMA standards.

This antenna is a great solution to be well prepared for future technology worldwide such as NR (New Radio) and offers a reliable signal quality while taking advantage of the MIMO option. The low-profile compact design and high-quality magnetic/adhesive mount make this antenna an ideal solution for outdoor applications with quick and easy installation on a wide range of surfaces.

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

2J6983MPa designed with 5G New Radio (5G NR) technology that enhances coverage through high gain adaptive beamforming to meet the growing demands of Massive MIMO devices. This results in low latency, high efficiency, higher capacity and higher coverage with low power consumption and low interference while supporting additional bandwidths. The omni-directional radiation pattern allows for 360-degree clear signal strength and maximizes throughput.

Suggested Applications:

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

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 2J6983MPa housing is IP67 and IP69 certified and manufactured from black or white ABS / UV stable material offering exceptional durability at a low cost for maximum protection from extreme outdoor applications. It comes with standard SMA-Male connector and 300 cm long D302 Coaxial cable, a popular choice for automotive applications due to its environmental properties. 2J Antennas offers a wide range of alternative connectors and cables for any customization needs. With a compact design (89 x 76 x 27/30 mm), ground plane independence and high-grade magnetic/adhesive mounting allow for easy installation on metal or non-metal surfaces. 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) ~-7.0, ~-11.2, ~-7.1, ~-6.4

VSWR ~3.1:1, ~2.1:1, ~3.1:1, ~3.0:1

Efficiency (%) ~50.2, ~56.3, ~30.4, ~25.1

Peak Gain (dBi) ~2.1, ~6.3, ~3.7, ~2.8

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) ~-7.3, ~-10.8, ~-7.6, ~-8.4

VSWR ~3.1:1, ~2.1:1, ~2.9:1, ~2.3:1

Efficiency (%) ~50.9, ~58.7, ~38.0, ~36.7

Peak Gain (dBi) ~1.6, ~6.3, ~5.1, ~4.4

Impedance (Ohm) 50

Polarisation Linear

Radiation Pattern Omni-Directional

Max. Input Power (W) 25

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Author

nick