



MEAX-5000-AM

5G NR Antenna Adhesive Mount
Part #: 100-00228-01

Description

The MEA-5000-AM adhesive Mount Antenna is a 5G NR antenna solution, with high gain and efficiency ideal for maintaining constant mobile connectivity. The MEA-5000-AM covers all 5G, 4G, 3G and 2G frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications. The high performance make this antenna ideal for the most challenging installations. This adhesive mount antenna is easy to install with maximum durability. The MEA-5000-AM has one cable with a SMA-Male standard connector, 3m standard cable length and is fully customizable by offering additional connector types, cable lengths and cable types.

Electrical Specification

Parameter	Specification	
Center Frequency	617-960 MHz	1427-2690 MHz
Band	600, 700, 850, 900 MHz	1500, 1600, 1700, 1800, 1900, 2000, 2100, 2300, 2500, 2600 MHz
Return Loss	-15.3 dB	-12.8 dB
VSWR	1.5:1	1.7:1
Efficiency	60.1%	45.8%
Peak Gain	3.2 dBi	3.6 dBi
Average Gain	-2.2 dB	-3.4 dB
Center Frequency	3300-5000 MHz	5150-5925 MHz
Band	3300, 3500, 3600, 3700, 4500 MHz	5200, 5500, 5800 MHz
Return Loss	-12.1 dB	-15.6 dB
VSWR	1.8:1	1.5:1
Efficiency	24.5%	24.5%
Peak Gain	1.0 dBi	1.6 dBi
Average Gain	-6.2 dB	-6.1 dB
Impedance	50 Ω	
Polarization	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power	35 W	



Features

- 5G NR (617-960 MHz, 1427-2690 MHz, 3300-5000 MHz, and 5150-5925 MHz)
- Easy mounting: Adhesive Mount
- Ground Plane Independent
- Customizable Cable and Connector
- Low profile: 116 × 22 × 6.7 mm

Applications

- Asset Tracking
- Telematics
- Container & Logistics
- Automotive
- Industrial Applications
- IOT Applications

Mechanical Specification

Parameter	Specification
Antenna Dimensions	116 × 22 × 6.7 mm
Operating Temperature	-40°C to + 85°C
Mounting Type	Adhesive Mount
Connector	SMA-Male
Radome	PC/ABS UV Stable
Radome color	Black
Substance Compliance	RoHS

*Mounted on 30 x 30 x 0.25 cm ABS Plate

