



MEA-5GNR-UWB-SMA

5GNR/UHF Connector Mount

Part #: 100-00216-01

Description

The MEA-5GNR-UWB-SMA connector Mount Antenna is a 5GNR/ UHF antenna solution, with high gain and efficiency ideal for maintaining constant mobile connectivity. The MEA-5GNR-UWB-SMA 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 connector mount antenna is easy to install with maximum durability.



Electrical Specification

Parameter	Specification		
Center Frequency	410-496 MHz	617-960 MHz	1427-2690 MHz
Band	450 MHz	600, 700, 850, 900 MHz	1500, 1600, 1700, 1800, 1900, 2000, 2100, 2300, 2500, 2600 MHz
Return Loss	-4.8 dB	-14.3 dB	-8.2 dB
VSWR	3.8:1	1.7:1	2.5:1
Efficiency	20.6%	40.8%	60.0%
Peak Gain	-4.5 dBi	0.5 dBi	2.1 dBi
Average Gain	-7.0 dB	-4.2 dB	-2.4 dB
Center Frequency	3300-5000 MHz		5150-5925 MHz
Band	3300, 3500, 3600, 3700, 4500 MHz		5200, 5500, 5800 MHz
Return Loss	-6.8 dB		-10.6 dB
VSWR	4.1:1		2.1:1
Efficiency	40.8%		30.9%
Peak Gain	1.5 dBi		2.5 dBi
Average Gain	-4.4 dB		-5.5+ dB
Impedance	50 Ω		
Polarization	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power	25 W		

Features

- 5GNR/UHF (410-496 MHz ; 617-960 MHz; 1427-2690 MHz; 3300-5000 MHz; 5150-5925 MHz)
- Easy mounting: Connector Mount
- Ultra-Wide band Antenna
- High Performance
- Ground Plane Independent
- Hinged Connector
- Low profile 171 × 38 × 13.8 mm

Applications

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

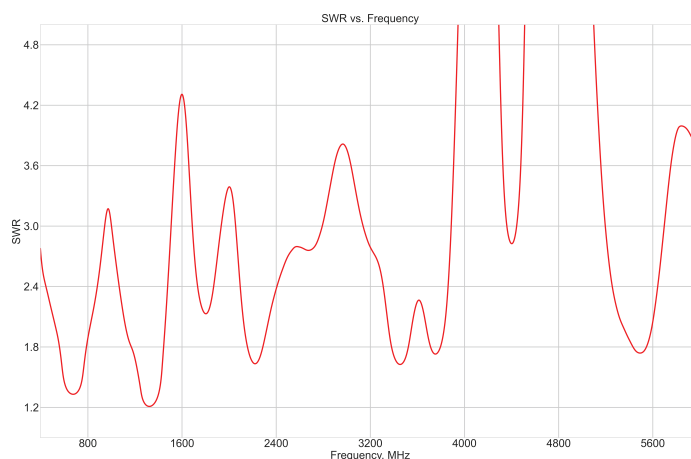


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Mechanical Specification

Parameter	Specification
Antenna Dimensions	171 × 38 × 13.8 mm
Weight	45 g
Operating Temperature	-40°C to + 85°C
Mounting Type	Connector Mount
Connector	SMA-Male
Connector Feature	Hinged
Radome	PC/ABS UV Stable
Radome color	Black or White
Substance Compliance	RoHS, REACH



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