



The MEA-900-W2-SM Screw Mount Antenna is a low profile antenna solution, with a very high-performance ideal for maintaining constant network connectivity. The MEA-900-W2-SM covers all 2.4/5.0 GHz & 868/915 MHz ISM standard frequencies. This is an ideal antenna for telematics systems, remote surveillance, asset tracking and any IOT system applications. The high performance and low profile make this antenna ideal for the most challenging installations. This screw mount antenna is easy to install with maximum durability offering IP67 rated housing and anti-rotation mounting. The MEA-900-W2-SM has two cables with a SMA-Male standard connectors, 3m standard cable lengths and is fully customizable by offering additional connector types, cable lengths and cable types.



Cable 1 - 868/915 MHz ISM Antenna		
Frequency Range	863-870 MHz	902-928 MHz
Band	868 MHz	915 MHz
Return Loss	-17.3 dB	-8.9 dB
VSWR	2.5:1	2.1:1
Efficiency	30.2%	31.4%
Peak Gain	-0.6 dBi	-0.2 dBi
Average Gain	-5.1 dB	-5.0 dB
Impendance	50 Ω	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power	25 W	

Cable 2 - 2.4/5.0 GHz ISM Antenna		
Frequency Range	2410-2490 MHz	4920-5925 MHz
Band	2.4 GHz	5.0 GHz
Return Loss	-11.9 dB	-14.7 dB
VSWR	1.8:1	1.5:1
Efficiency	43.4%	31.9%
Peak Gain	4.5 dBi	3.9 dBi
Average Gain	-3.6 dB	-5.1 dB
Impendance	50 Ω	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power	25 W	



Features

- 2.4/5.0 GHz ISM
- Screw Mount
- · Anti-Rotation Mechanism
- · Ground Plane Independent
- · Customizable Cable and Connector
- IP67, IK09, IP69K
- Dimensions 80 x 76 x 13 mm

Applications

- · Navigation and telematics systems
- IoT applications
- · Automotive connectivity
- Multimedia
- Fleet management
- HD video and audio streaming



Mechanical Specification

Parameter	Specification
Antenna Dimensions	80 x 76 x 13 mm
Operating Temperature	-40°C to 85°C
Connector Type	SMA-Male Standard / RP-SMA-Male Standard
Mounting Type	Screw Mount
Radome	ABS UV Stabl
Radome color	Black
Substance Compliance	RoHS
Certification	IP67

















