

4.uwb Aora

UWB High Precision – 2D 360° AoA

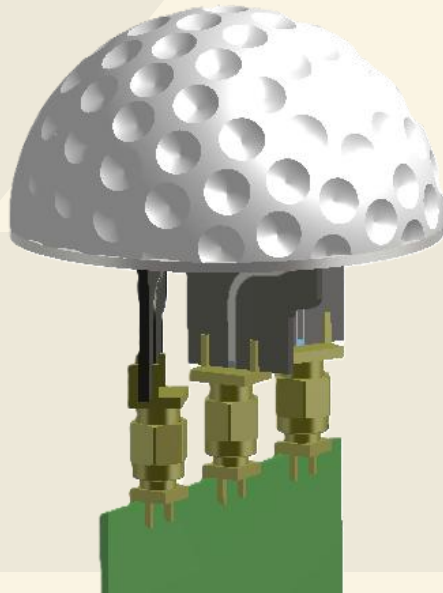
DRAFT

UWB

DATASHEET QW25-UWB-1005 REV1

4.uwb Aora (QW25-UWB-1005)

The **Aora** AoA Omnidirectional Ranging Antenna is a compact, wideband solution engineered for precise 360° angle-of-arrival measurements. Leveraging Quarterwave's advanced antenna technology, it delivers accurate direction finding and ranging capabilities across IoT, industrial, and localization applications. Designed for seamless integration, the Aora AoA combines omnidirectional coverage with high reliability, making it the ideal choice for next-generation positioning and tracking systems.



APPLICATIONS

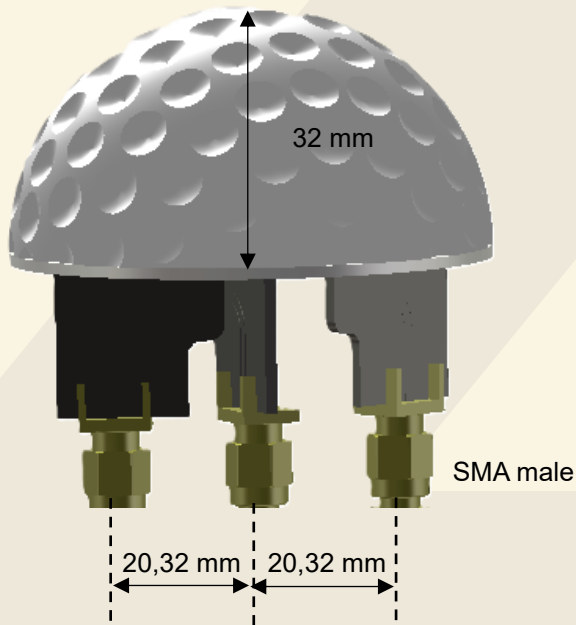
- **Drone navigation** and UAV positioning
- **Industrial automation** and smart factory monitoring
- **Smart farming** and livestock monitoring
- **Security and surveillance** systems
- **Autonomous vehicles** and AGV navigation
- **Indoor localization** for warehouses and smart buildings
- **Emergency services** and search & rescue operation

TECHNICAL SPECIFICATION

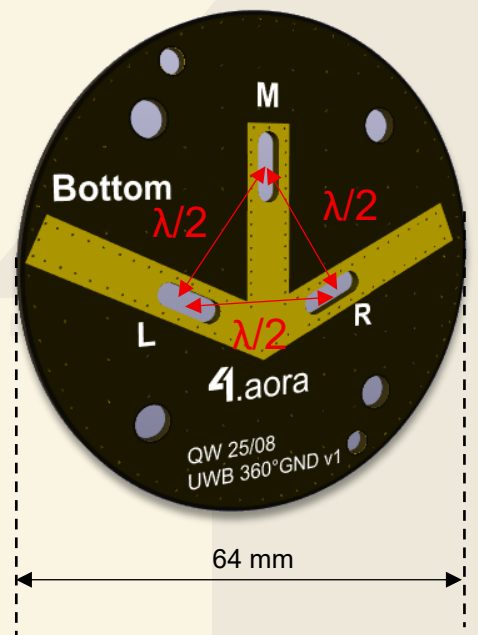
Electrical	
Operating Frequency	6.240 – 7.238 GHz
Supported Bands	5, 6, 7
Peak Gain	3 dBi
Rad. Efficiency	>60 %
VSWR	< 2 :1
Polarization	Linear
Radiation Pattern	Omnidirectional
Impedance	50 Ohm
Mechanical	
Dimension	Ø64x32 mm
Weight Antenna	72g
Connector	SMA male
Ports	3
Environmental	
Operating Temperature	-20...+95 °C
Relative Humidity	Non-condensing 65°C 95% RH

DIMENSIONS

[1] Radom



[2] Baseplate



[3] Antenna Left [4] Antenna Mid [5] Antenna Right

