

Omni Antenna Ceiling Mounted

IOX-ERN-V5PU / IOX-ERA-V5PU

138-7200MHz, N-Female, 4.3-10 Female, UL-94-V0, IP67

- Wideband frequency coverage from 138-7000MHz
- Designed for indoor and outdoor use with IP67-rated environmental protection, ensuring reliable performance in harsh environments
- Supporting flammability UL-94-V0 rating



Electrical Specification

Product Model	IOX-ERN-V5PU / IOX-ERA-V5P				
Frequency (MHz)	136-174	350-520	617-960	1698-2700	3300-7200
Gain (dBi)	-12.7	1.5	3.0	4.5	5.0
Polarization	Vertical				
Beamwidth Horizontal (°), typical	360	360	360	360	360
Beamwidth Vertical (°), typical	90	90	40	40	40
VSWR	≤ 2.0	≤ 2.5	≤ 2.0	≤ 2.0	≤ 2.0
Average Power, max (W)	50				
Impedance (ohm)	50				

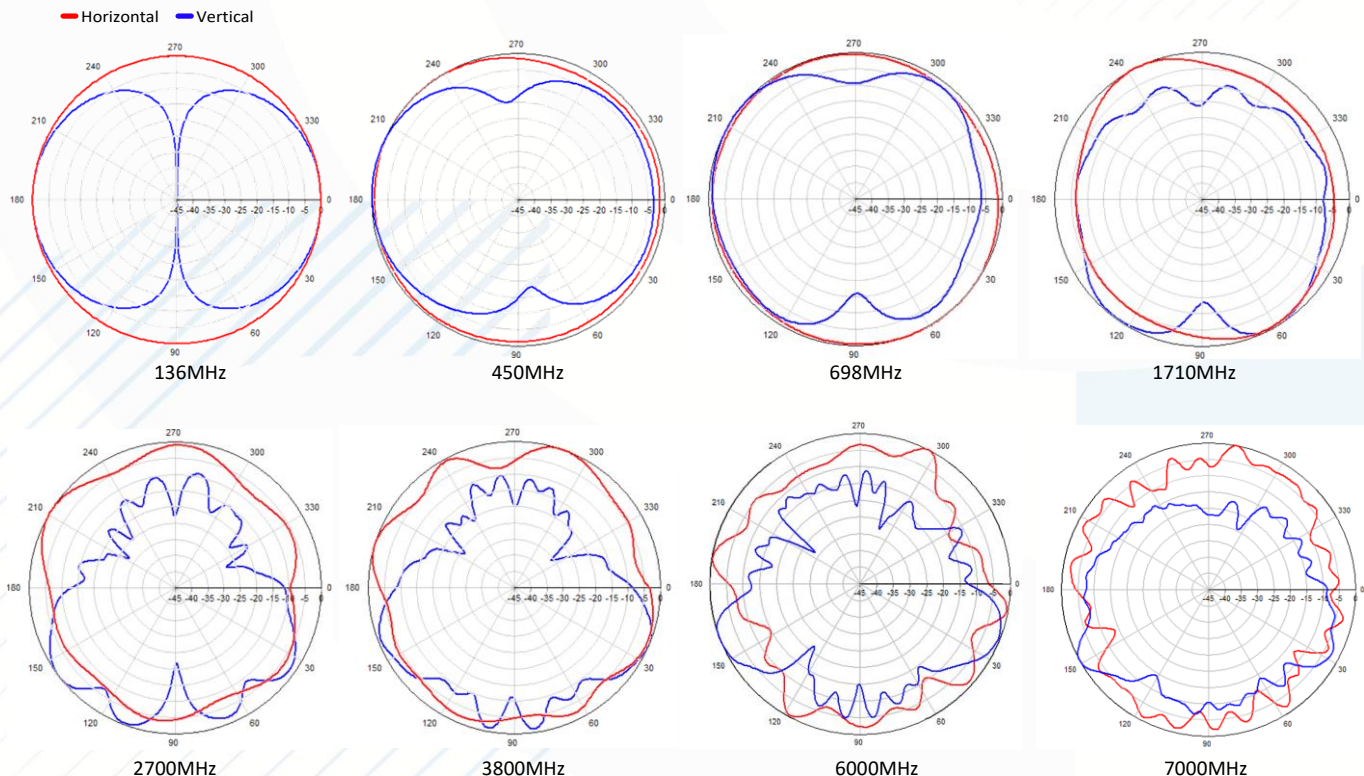
Mechanical Specification

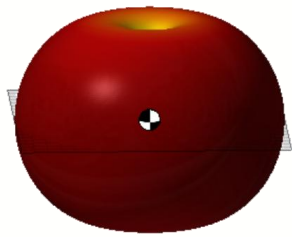
Dimension Diameter, height (in/mm)	Ø 12.6x6.2 / Ø 320x157
Weight (lb./kg)	3.1 / 1.4
Shipping Dimension(in/mm)	13.0x13.0x10.0 / 330x330x253
Shipping Weight(lb./kg)	5.5 / 2.5
Radome Material & color	ABS, White, RAL9003
Flammability	UL-94-V0
Mounting/Connector type	Ceiling Mount, N-type: IOX-ERN-V5PU, 4.3-10: IOX-ERA-V5PU

Environment & Compliance

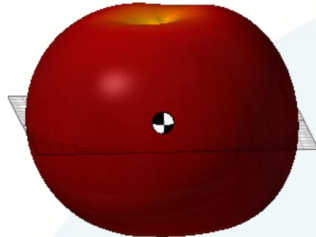
Application	Indoor/outdoor
Operating Temperature	-55°C to +60°C
Relative Humidity	Up to 95%
RoHS	Compliant
Environment	IP67

Antenna Pattern

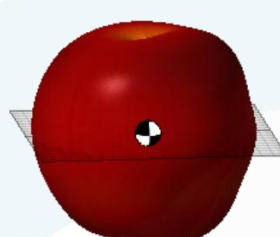




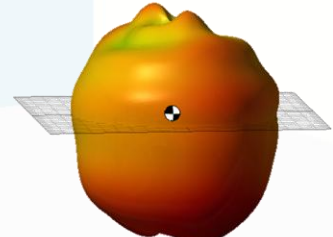
136MHz



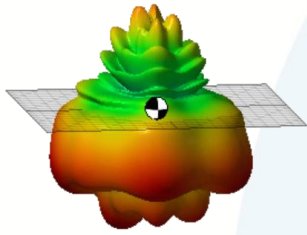
450MHz



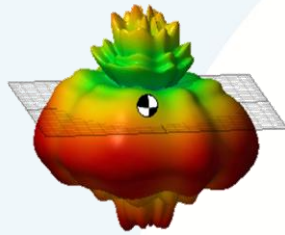
698MHz



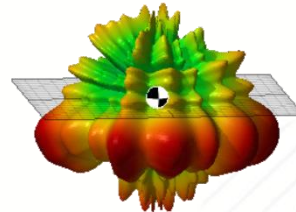
1710MHz



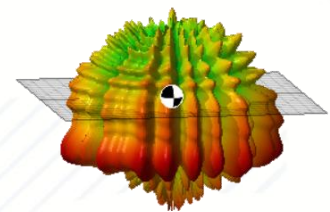
2700MHz



3800MHz



6000MHz

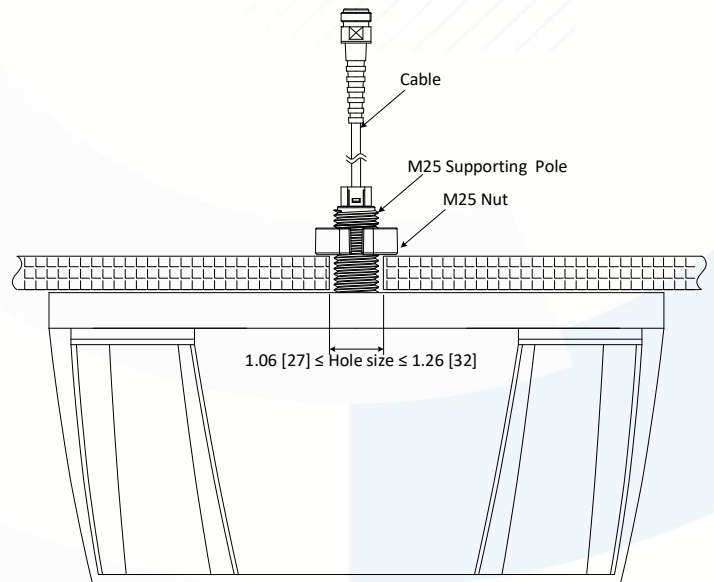
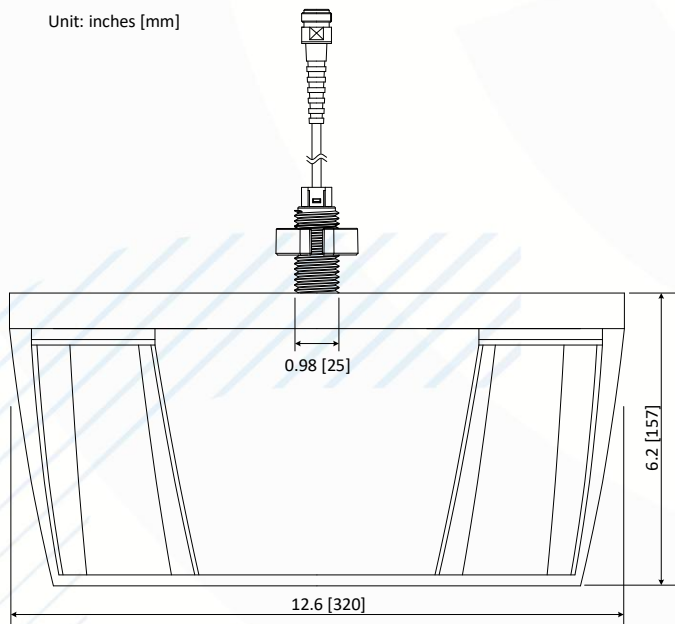


7000MHz

Outline Drawing & Installation Instruction

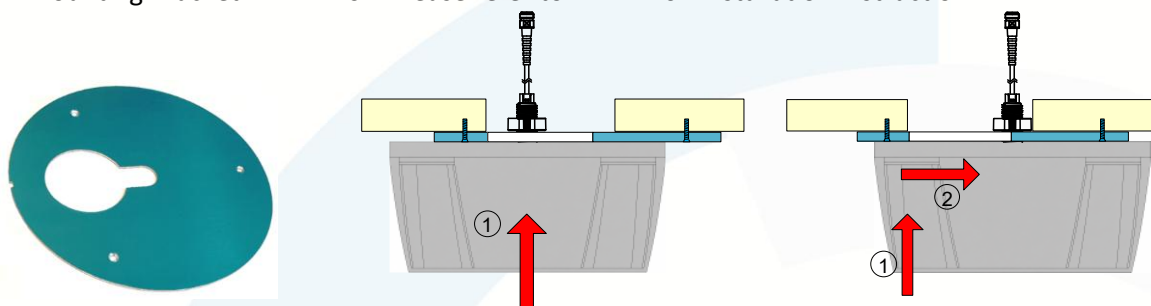
1. Standard Ceiling Mounting

Unit: inches [mm]



2. Hard Ceiling Mounting

Mounting Bracket: MT-DA-01. Please refer to MT-DA-01 Installation instruction



3. High Ceiling Mounting / Joist Mounting

Mounting Bracket: MT-ND-HC. Please refer to MT-ND-HC Installation instruction

