









# Omni DAS Series

## Flat Omni SISO 5G+TETRA Antenna

OD350-6000S1NF



### Features & Applications:

-  4G / 5G-FR1 600-6000MHz
-  Includes public safety, PMR, TETRA band 350-520MHz
-  In-building ceiling mount
-  Horizontal omni radiation pattern
-  Low PIM and SAR compliant
-  Connector N-Female as standard
-  For 4.3-10 Female version use P/N: OD350-6000S143
-  Hard ceiling mount kit available on separate request

## ELECTRICAL SPECIFICATIONS

### OD350-6000S1NF

Frequency range	MHz	350-520	600-960	1350-1550	1690-2700	3300-4200	4900-6000
Gain	dBi	3.0±1	3.0±1	4.0±1	4.0±1	5.0±1	5.0±1
Polarization		Horizontal					
Beam width	Horizontal	360					
	Vertical	130	90	70	60	55	30
VSWR		≤2			≤1.8		
PIM,3rd order,2x20W	dBc	-150					
Max. input power	W	50					
Impedance	Ohm	50					
SAR compliance		Compliant based on whole-body SAR limit RF Exposure calculation (CEI EN 50383)					

## MECHANICAL SPECIFICATIONS

### OD350-6000S1NF

Dimension (Diameter x Height)		Housing Material	Color	Weight	Mounting Kit	
Φ290x10 mm (11.42 x 0.394 inch)		PC/ABS, UV Protected	White	0.47Kg (1.034lbs)	Ceiling, via hole (standard)	
Wireless Technology	No. of Port	Cable Length	Cable Type		Connector Type	
5G FR1, TETRA	1	1Ft (0.3m)	Ø 0.160" low loss		NF	

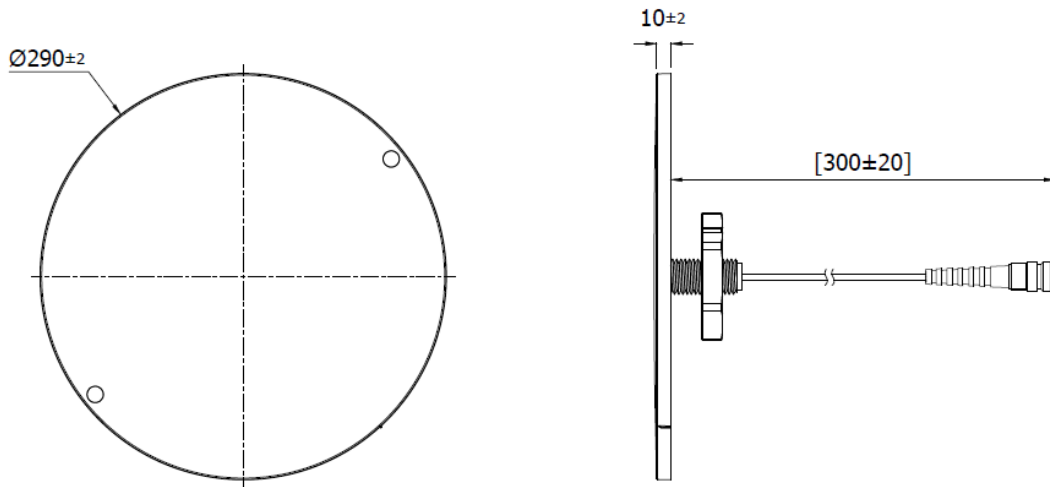
## ENVIRONMENTAL SPECIFICATIONS

### OD350-6000S1NF

Operating Temperature	Storage Temperature	RoHS Compliant	Ingress Protection	Warranty
-55 / +60° C	-55 / +60° C	Yes	IP50	2 years

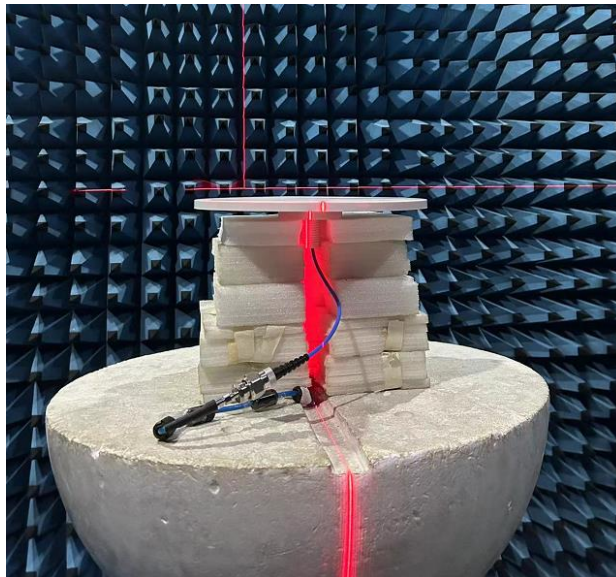
Mechanical Drawing

OD350-6000S1NF



Test Setup

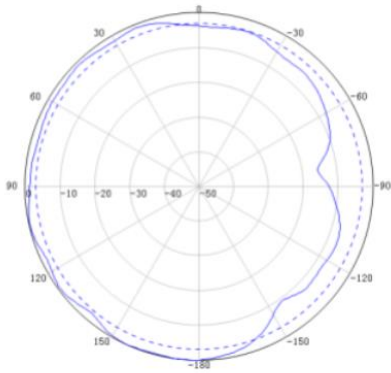
General / Chamber Setup



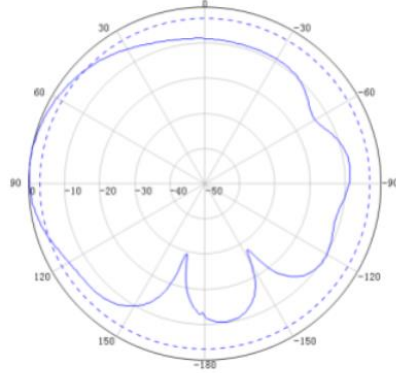
Radiation Pattern –Vertical and Horizontal Plane

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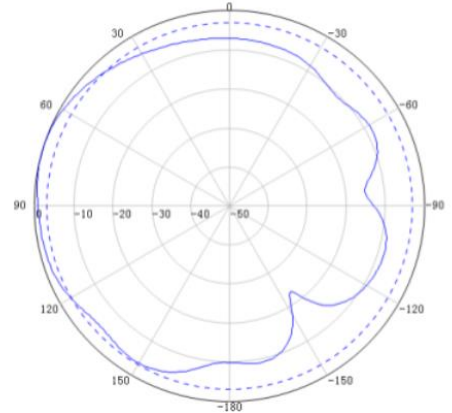
Vertical



800MHz

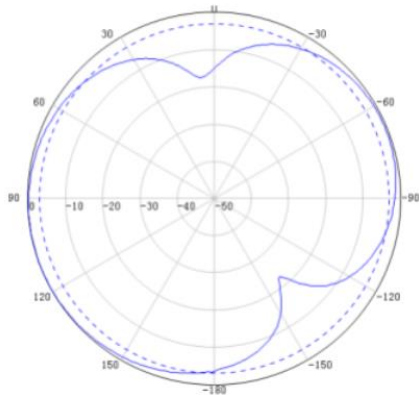


2170MHz

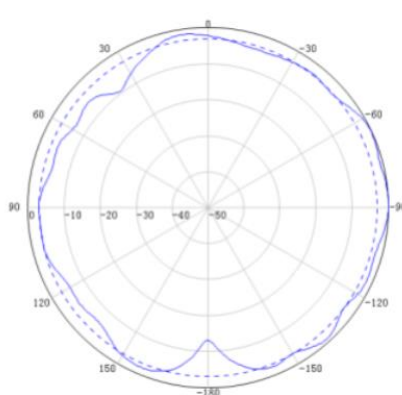


2500MHz

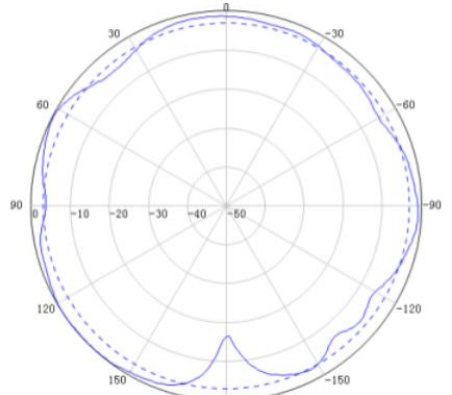
Horizontal



800MHz



2170MHz



2500MHz

# Omni DAS Series Flat Omni SISO 5G+TETRA Antenna

OD350-6000S1NF

## PACKAGING

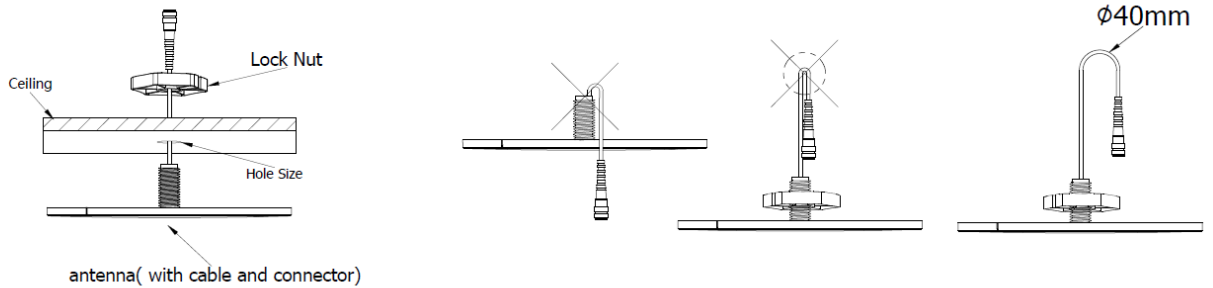
### OD350-6000S1NF

1. Inner box: 830\*310\*310mm;
2. Outer box size: 645\*460\*460mm;
3. 20Pcs/Carton;

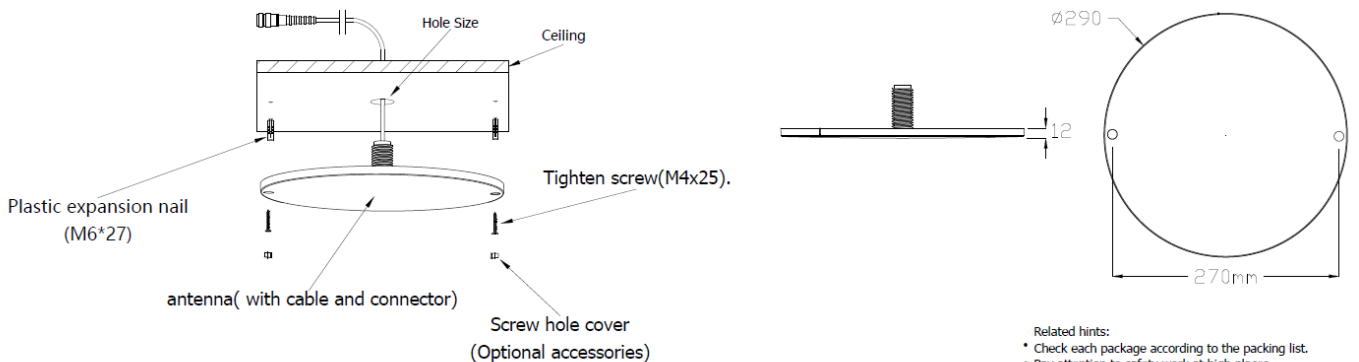
## Installation instructions

### OD350-6000S1NF

#### Method 1:



#### Method 2:



- Related hints:
- Check each package according to the packing list.
  - Pay attention to safety work at high places.
  - The antenna system is recommended for maintenance every year.

#### Recommended Hole Size

- $\geq \phi 26$  - N-Type
- $\geq \phi 26$  - Mini DIN(4.1/9.5)
- $\geq \phi 32$  - 7/16

#### Notes:

1. Please contact sales for availability, lead time, and/or any special requests. Samples available upon request.

#### For More Information:

Americas - [antennas.us@pulseelectronics.com](mailto:antennas.us@pulseelectronics.com) | Europe - [antennas.eu@pulseelectronics.com](mailto:antennas.eu@pulseelectronics.com) | Asia - [antennas.as@pulseelectronics.com](mailto:antennas.as@pulseelectronics.com) | Questions? +1-800-ANTENNA  
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