

# 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 | deg | 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<br>(Diameter x Height)   |             | Housing Material        | Color | Weight               | Mounting Kit                    |                |
| Φ290×10 mm<br>(11.42 x 0.394 inch) |             | PC/ABS,<br>UV Protected | White | 0.47Kg<br>(1.034lbs) | Ceiling, via hole<br>(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  |

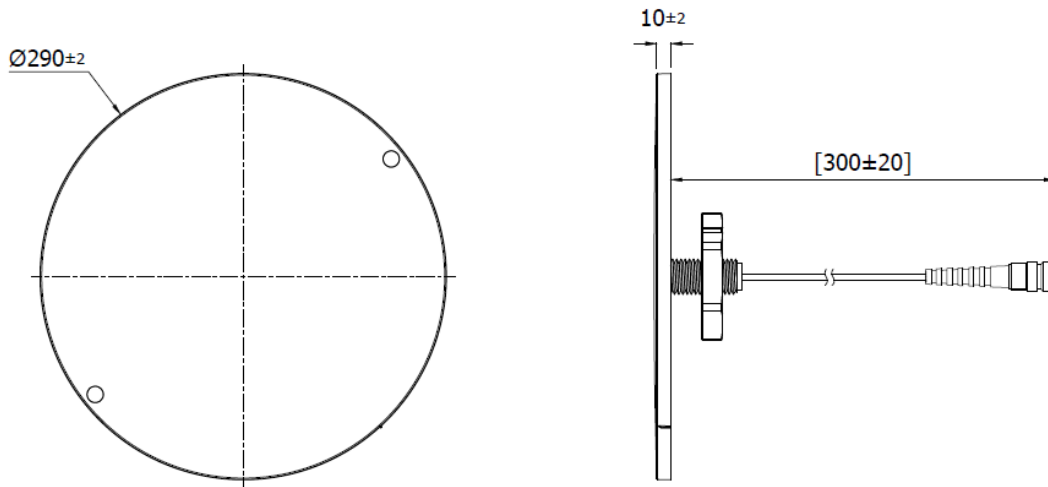
# Omni DAS Series

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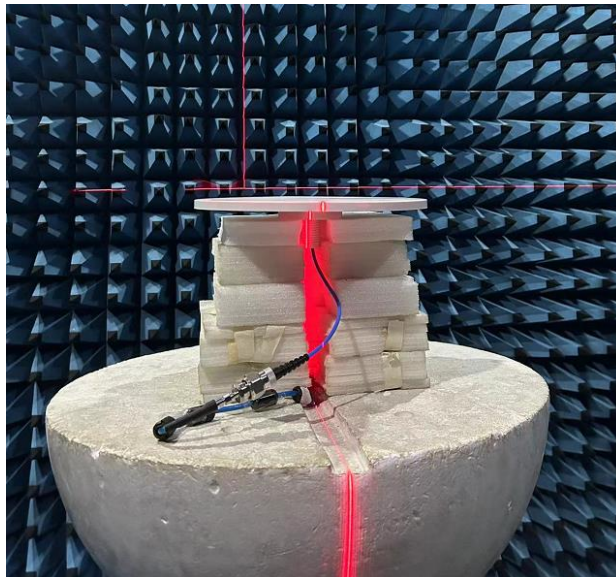
### Mechanical Drawing

OD350-6000S1NF



### Test Setup

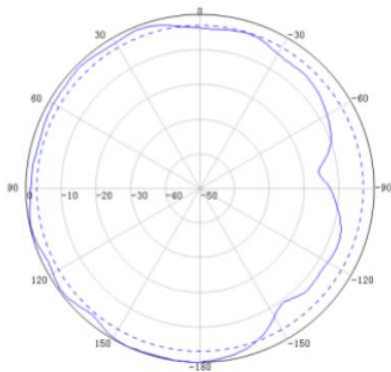
General / Chamber Setup



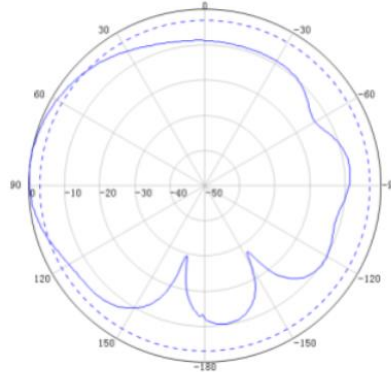
Radiation Pattern –Vertical and Horizontal Plane

OD350-6000S1NF

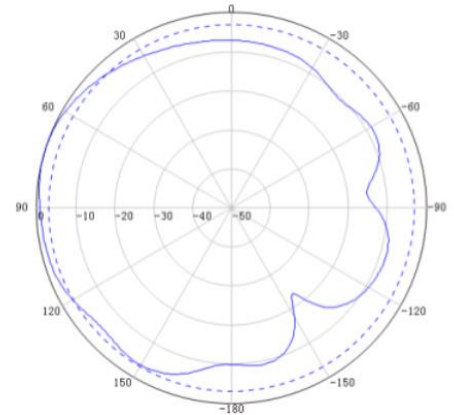
Vertical



800MHz

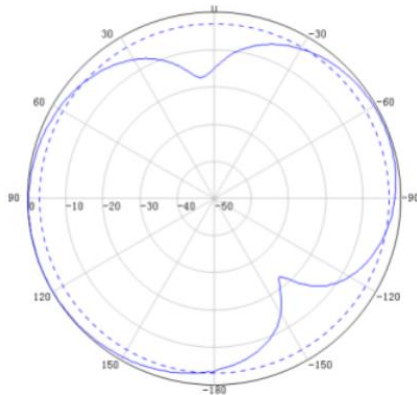


2170MHz

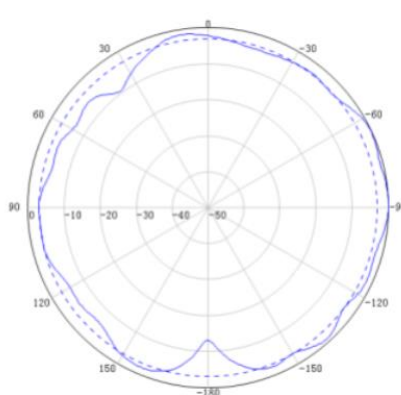


2500MHz

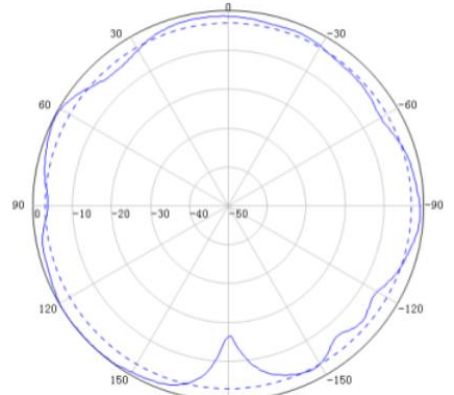
Horizontal



800MHz



2170MHz



2500MHz

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### PACKAGING

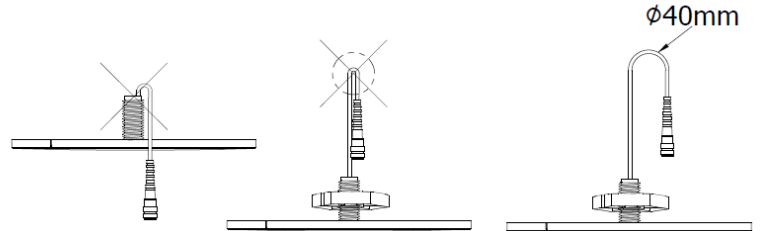
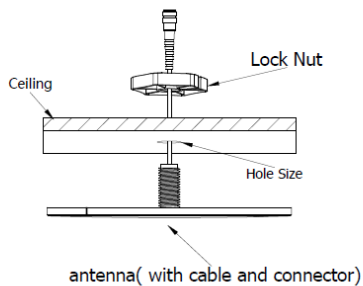
#### OD350-6000S1NF

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

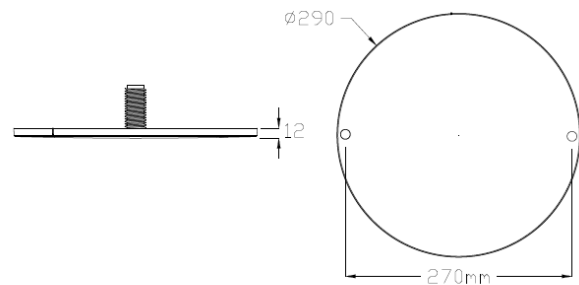
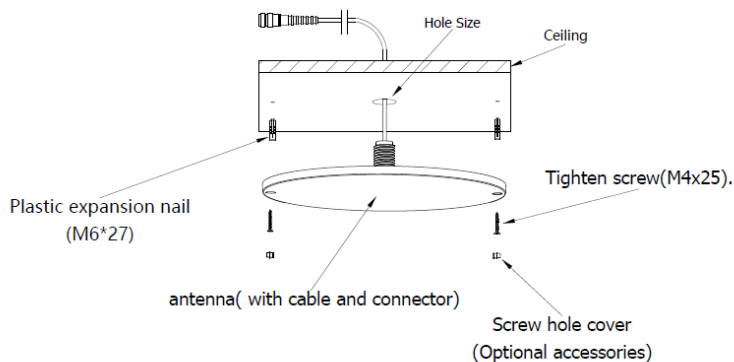
### Installation instructions

#### 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

- ≥Ø26 - N-Type
- ≥Ø26 - Mini DIN(4.1/9.5)
- ≥Ø32 - 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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