

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 (Diameter x Height)	Housing Material	Color	Weight	Mounting Kit	
Φ290×10 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

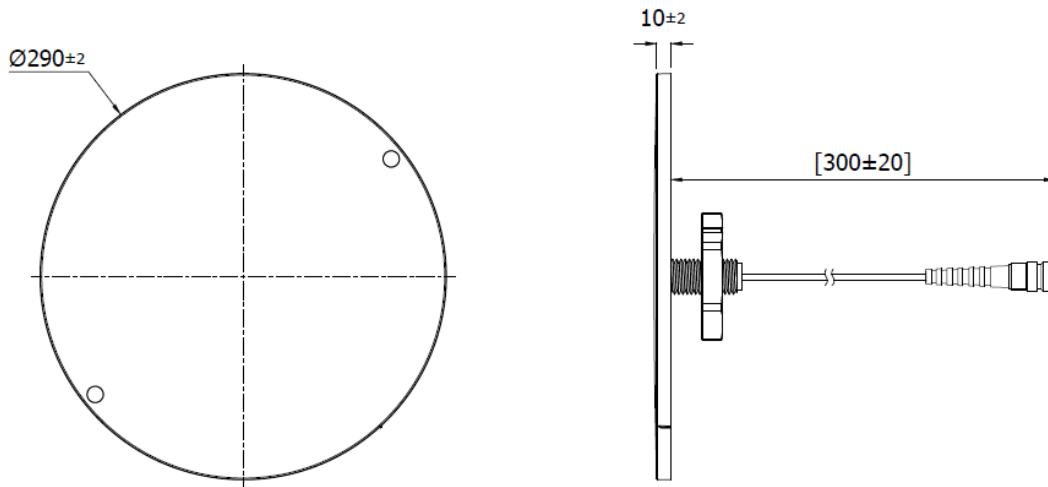
Omni DAS Series

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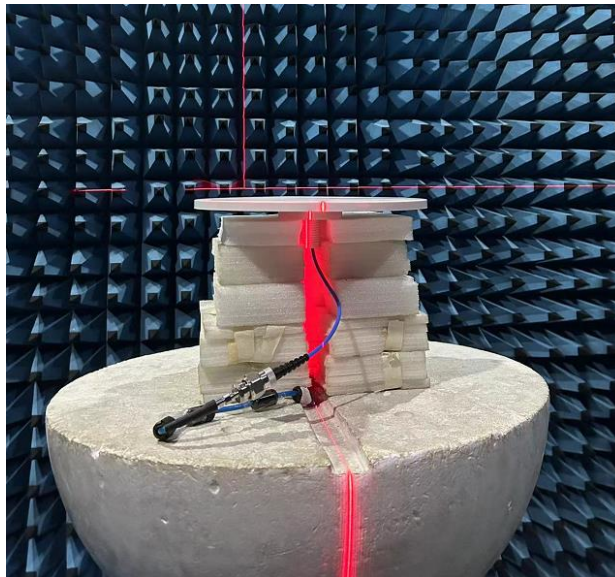
Mechanical Drawing

OD350-6000S1NF



Test Setup

General / Chamber Setup



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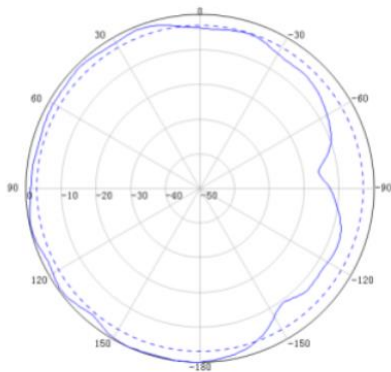
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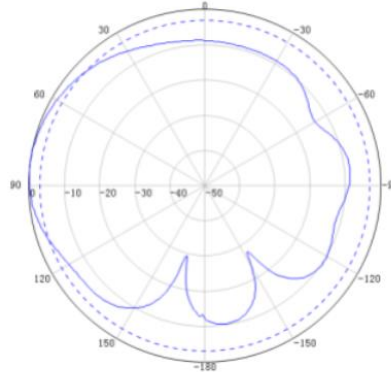
Radiation Pattern –Vertical and Horizontal Plane

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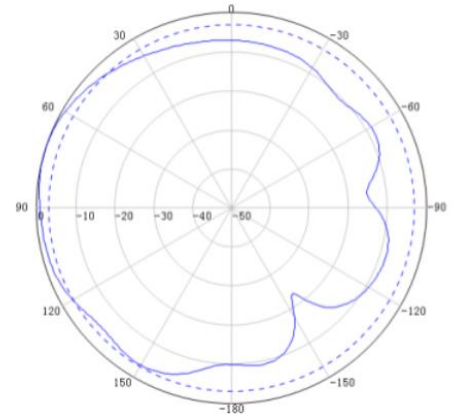
Vertical



800MHz

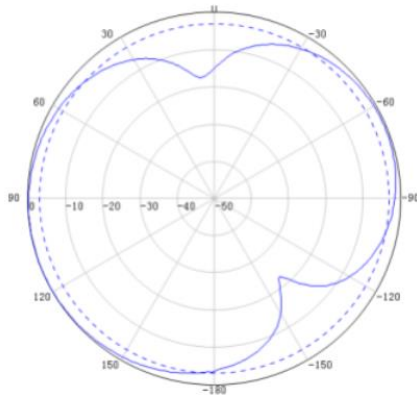


2170MHz

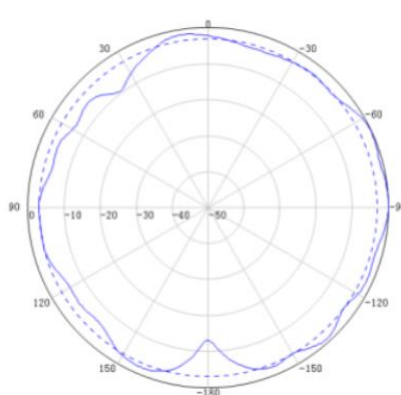


2500MHz

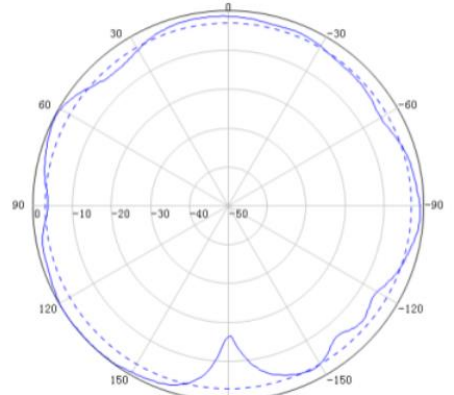
Horizontal



800MHz



2170MHz



2500MHz

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PACKAGING

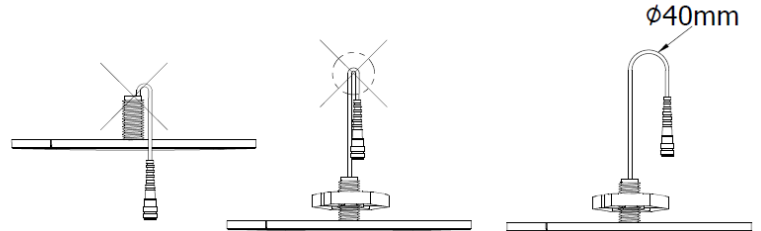
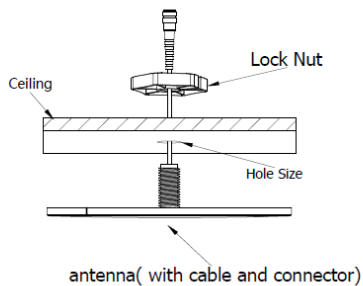
OD350-6000S1NF

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

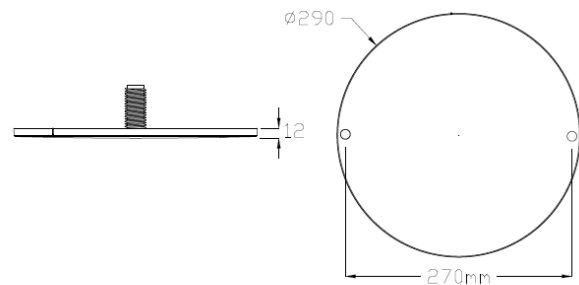
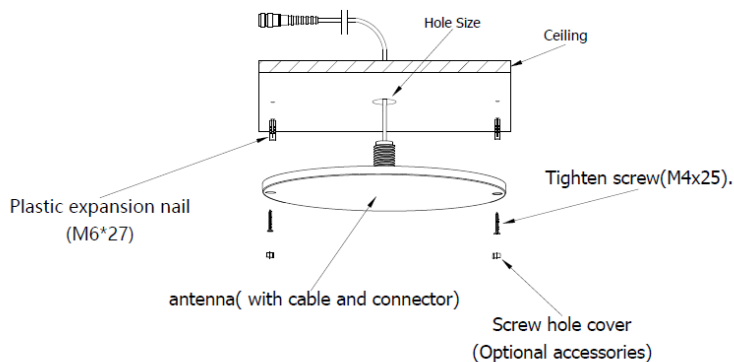
Installation instructions

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 | Europe - antennas.eu@pulseelectronics.com | Asia - antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA
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